



Kentucky Public Health
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Kentucky Annual School Immunization Survey Report 2015 - 2016

**Kentucky Immunization Program
Kentucky Department for Public Health
Cabinet for Health and Family Services**

November 2017

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This report about age-specific immunizations of Kentucky school-aged children in public and private elementary and middle schools was prepared after analysis and interpretation of results for data reported to the Kentucky Department for Public Health through March 31, 2016.

Acknowledgements

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This report was created with oversight from Jonathan Ballard, MD, MPH, MPhil (Director, Division of Epidemiology and Health Planning and State Epidemiologist), and Margaret Jones, RN, BSN (Kentucky Immunization Program Manager). The report profile was also created in collaboration with the Centers for Disease Control and Prevention (CDC).

School Immunization Reporting Requirement

According to state regulation 902 KAR 2:055, “(1) Kindergartens and public and private elementary and secondary schools shall submit to the local health department in their area immunization results for kindergartens and sixth grades” on the Commonwealth of Kentucky School/Facility Annual Immunization Survey and “(2) The annual survey shall include the number of: (a) Students in the grade surveyed; (b) Missing immunization records; (c) Religious exemptions; (d) Medical exemptions; and (e) Children who have received age-appropriate immunizations.”

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Labels for Charts and Tables

The following labels are used for charts and tables throughout this report:

- # of Children: Number of children at the school in that grade/group
- # Cert: Number children in that grade/group with Current, Provisional or Expired Certificates
- Miss. Cert: Number of children with a missing certificate (i.e., no certificate on file at the school)
- Med Ex: Number of children with a Commonwealth of Kentucky Certificate of Medical Exemption on file at the school
- Rel Ex: Number of children with a Commonwealth of Kentucky Certificate of Religious Exemption on file at the school
- DTaP: Number of children with 4 or more doses of Diphtheria, Tetanus, and Acellular Pertussis vaccine
- HepB: Number of children with 3 or more doses of Hepatitis B vaccine
- MCV*: Number of children with 1 or more doses of quadrivalent Meningococcal vaccine
- MMR: Number of children with 1 dose of Measles, Mumps, Rubella (MMR) vaccine; or 1 dose of MMR vaccine plus 1 dose a measles containing vaccine; or 2 doses of MMR vaccine depending on a child's age
- Polio: Number of children with 3 or more doses of Poliovirus vaccine
- Tdap/Td Booster: Number of sixth grade children with a Tetanus, Diphtheria, and Acellular Pertussis (Tdap) or Tetanus Diphtheria (Td) booster after 10 years of age
- Varicella or VAR: Number of children with 1 or 2 doses of Varicella vaccine depending on a child's age

*Note: MCV was defined in 902 KAR 2:060 (effective December 2010) as meningococcal conjugate vaccine. In 2017 immunization schedules, CDC used MenACWY as the abbreviation for quadrivalent meningococcal conjugate vaccines. The Kentucky Immunization Program (KIP) instituted this abbreviation change in the proposed 2017 amendments to **902 KAR 2:060 Immunization schedules for attending child day care centers, certified family child care homes, other licensed facilities which care for children, preschool programs, and public and private primary and secondary schools.** All future reports released by KIP will use MenACWY as the abbreviation for quadrivalent meningococcal conjugate vaccines.

Background

The Kentucky Immunization Program (KIP) conducts a Kentucky Annual School Immunization Survey to assess the vaccine coverage of children in accordance with Kentucky Administrative Regulation 902 KAR 2:055 and Kentucky Revised Statute KRS 158.037.

The survey targets all Kentucky kindergarten and sixth grade students. The purpose of this report is to disseminate the results of the survey for the 2015-2016 school year and offer recommendations to improve rates of immunization in Kentucky to reduce illness and death from vaccine-preventable diseases (VPDs).

Methods

Data Collection and Follow-up

The Kentucky Annual School Immunization Survey tools for 2015 - 2016 (see Appendix A) were distributed to each local health department (LHD) by KIP in late-August 2015 in paper and electronic formats. LHDs distributed the survey materials to every public and private school with at least one kindergarten class and/or sixth grade class. In 2015, each child was assessed for the presence of an immunization certificate on file, the certificate's expiration date, and the number of doses of each age-appropriate vaccine received. The Kentucky Immunization Program asked schools to assess each certificate for receipt of the following immunizations:

- Four or more doses of DTaP vaccine,
- Three or more doses of Poliovirus vaccine (Polio),
- Three or more doses of Hepatitis B (HepB) vaccine,
- Two doses of MMR vaccine,
- Two doses of Varicella vaccine (VAR) or a history of chickenpox disease,
- One dose of Tdap vaccine or one Td booster dose (for students older than 10 years of age), and
- One dose of quadrivalent Meningococcal vaccine (MCV, for students older than 10 years of age).

Each immunization certificate of a child that qualified by grade or age to be included in the assessment was reviewed, and immunization data were documented on the survey.

The survey did not collect individual immunization information for each child, but instead requested aggregated totals for the whole grade or group for a school. However, for data cleaning purposes, schools were asked to complete and return a worksheet listing children enrolled in the assessed age group, aiding in the reporting of individualized vaccination records. KIP did not request personal identifiers; rather, schools were asked to assign random tracking identities for students. This protected student confidentiality while also providing a mechanism for KIP to identify problematic data for schools to reassess. Variables collected on the worksheet mirrored survey questions, presenting an avenue for schools to accurately count children with current and up-to-date vaccinations.

Schools which used the Kentucky Department for Education (DOE) Infinite Campus system, a Web-based individualized school record and tracking system, were asked to submit a report displaying an aggregate count of the variables contained within the survey in lieu of completing the worksheet. Of the schools completing the survey in the paper format, over 50% of public institutions remitted the Immunization Compliance Report and Dose Count Summary in lieu of completing the paper worksheet format.

Completed paper surveys were returned to the LHDs which, in turn, forwarded them back to KIP for data entry, analysis, and reporting. Qualtrics web-based software was used to develop the online survey interface and conduct the online survey. The online survey had built-in validation checks, reducing error possibility prior to submitting data to DPH.

The deadline to complete and return surveys, or submit electronically, was December 31, 2015. Each survey was reviewed by KIP staff to ensure reliability and validity. Schools that submitted surveys with missing or invalid information were contacted via phone and asked to make corrections or to resubmit the survey.

Multiple attempts were made to obtain completed surveys from nonresponsive schools after the deadline. LHD personnel were asked to follow up with noncompliant entities in their county at least three times, one or more of those times in writing. If attempts to collect survey data from schools, particularly kindergartens, were unsuccessful, KIP field and central staff made site visits during the months of February and March 2016 to review charts and to directly collect the data. This enabled KIP staff to report 100% of school-based kindergarteners' (both public and private) aggregate vaccine-specific data to CDC by the April 30, 2016 deadline.

Any survey received after March 31, 2016, was not included in the analysis.

An amendment to 902 KAR 2:055 was enacted and became effective in December 2014, no longer requiring childcare facilities to annually submit age-specific immunization surveys to DPH. Thus, compared to prior years, this report has no content about immunization compliance at childcare facilities.

All survey data were entered into SPSS v.20, duplicates were removed, and the information was analyzed, interpreted, and organized into this report.

Outcome Measures

Several objectives for Immunizations are defined by Healthy People 2020 (HP 2020), <http://www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases>. The attainment of age-appropriate target measure for these Objectives is used annually by the Kentucky Immunization Program to identify successful measures of vaccination compliance for school age children.

The age-appropriate HP 2020 target measures, assessed in schools, were:

Kindergarten, by selected vaccines and doses:

- 95% or greater for 4+ DTaP, 3+ Polio, 3+ HepB, 2 MMR, and 2 Varicella;

Sixth Grade, by selected vaccines and doses:

- 80% or greater for 1 Tdap and 1 MCV, and
- 90% or greater for 2 Varicella,

Two target Immunizations measures defined by the KIP for adolescents, were adapted from definitions in Healthy People 2010 Objectives,

(https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/DATA2010/Focusarea14/O1427a.pdf)

and

(https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/DATA2010/Focusarea14/O1427b.pdf).

The age-appropriate KIP target measures, assessed in schools, were:

Sixth Grade, by selected vaccines and doses:

- 95% or greater for 3 HepB and 2 MMR.

Statistical Analysis:

Fisher's Exact Test was used to determine 95% confidence intervals for each vaccination proportion, and a two-sided p-value was calculated. Confidence intervals measured precision around a measurement and the stability of the estimate. The smaller the confidence interval, the greater the stability of the measurement. In the assessment of the proportion of statewide vaccination compliance, the confidence intervals were quite small ($\pm 0.5\%$), indicating high stability in the statistics. However, when the data were stratified by county, the confidence intervals became quite large (up to $\pm 25\%$) for small populated areas, indicating low stability of the statistic. Caution must be used for the interpretation of large confidence intervals for small populations.

A p-value helps to determine if certain results are statistically significant. A large p-value provides weak evidence, while a small p-value provides strong evidence against the null hypothesis. All results in this report were considered significant if the p-value was less than 0.001

Age-specific vaccinations were ranked among counties, using the RANK.EQ function in Excel to return the rank of a number in a list relative to other values. In Appendix E, the RANK.EQ function was used to rank the average percentage of all five age-specific immunizations.

Results

Response rates for both kindergarten and sixth grades were 100% this year. This completed response was a direct result of the KIP implementing a mandatory reporting requirement for kindergarten compliance. Field and central staff were used to collect kindergarten and sixth grade data in areas where survey returns were low in previous years, further increasing response rates in counties where surveys had not been completed by the deadline.

Table 1 gives an overview of the total response rate for the survey in school year 2015-2016 compared to the previous seven school years (i.e., 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013, 2013-2014, and 2014-2015). Both LHD and KIP staff helped immensely to increase survey compliance the past four years. LHDs were integral in assisting with distribution lists and clarification of district mergers and school closures in their respective counties, in addition to diligently working to collect surveys from nonresponsive institutions. KIP staff conducted site visits after deadlines elapsed to collect data from nonresponsive schools housing a kindergarten. This extra effort assured 100% reporting of both age groups for the 2015-2016 school year.

Table 1. Number of Schools with Assessments for Kindergarten or Sixth Grade


Assessment School Year		Kindergarten		Sixth Grade	
		No.	%	No.	%
2015-2016	Number of Schools	893	100	599	100
2014-2015	Number of Schools	925	100	613	100
2013-2014	Number of Schools	946	100	590	97.0
2012-2013	Number of Schools	917	96.0	569	95.0
2011-2012	Number of Schools	915	88.7	572	85.6
2010-2011	Number of Schools	818	79.2	525	77.7
2009-2010	Number of Schools	866	85.1	544	81.6
2008-2009	Number of Schools/	935	93.7	580	84.3

Table 2 shows the number of children in 2015-2016 with medical or religious exemptions and the number of children who have received the required number of age-appropriate doses of each vaccine. A medical or religious exemption must be indicated on a Commonwealth of Kentucky Certificate of Medical Exemption or a Commonwealth of Kentucky Certificate of Religious Exemption, respectively. Children who were not up-to-date on required immunizations were given a 30-day grace period to become up-to-date or to begin a vaccine series towards becoming up-to-date. Immunization certificates

were documented in 95.2% of Kindergartners and 97.6% of 6th graders. Overall, less than 3% of all children surveyed had missing certificates and <1% had a medical or a religious exemption on file.

Kentucky medical providers did a commendable job of administering the appropriate number of age-specific vaccines. Statewide, compliance rates for vaccine administration were above 90% for all vaccines assessed in the survey, except for Tdap/Td Booster and MCV in sixth grade students.

Despite the high reported rates, the state averages for all vaccines for children in kindergarten were still below the Healthy People (HP) 2020 Objectives¹ of 95% or greater for 4+ DTaP, 3+ Polio, 3+ HepB, 2 MMR, and 2 Varicella. However, the state averages met all the sixth grade HP 2020 Objectives for 1 Tdap (80% or greater), 1 MCV (80% or greater) and 2 Varicella (90% or greater), and the KIP target measures of 3+ HepB (95% or greater) and 2 MMR (95% or greater). The county profile pages in Appendix B indicate whether the HP 2020 Objectives¹ for age groups for specific vaccines were met for the 2015-2016 school year for each county.

If any of the age-appropriate HP 2020 target measures, or any target measures defined by KIP for adolescents, were not met, the cell background for the corresponding vaccine (COLUMN) at a given school class (ROW) has been highlighted in red in Table 2. 

Results in Table 3 provided the minimum, median, maximum, and average coverage rates for each vaccine. Table 3 can be used in conjunction with Appendix C to assess a county's coverage level. When using the statistics comparison table, please note the acceptable immunization coverage levels for age-specific vaccines. The range of age-specific vaccination rates could vary significantly with the self-report methodology, and caution should be used when interpreting results based on low reporting numbers. In addition, some schools complete the survey within the first few weeks of receiving the package, counting children as noncompliant when doctor's appointments are scheduled for immunizations. Other schools or facilities wait until the final deadline in December, working towards getting all students current and up-to-date prior to reporting. These factors could contribute to variations in reporting.

Results in Table 4 indicated if the specific vaccine compliance was statistically significant. A Fisher's Exact Test was used to determine 95% confidence intervals for the proportion, and a two-sided p-value was calculated. All the vaccine-specific proportions were statistically significant for the 2015-2016 school year. The narrow confidence intervals suggest that precision is high with a lack of random error, and results should accurately measure the age-specific vaccination coverage rates of the two age groups.

Table 2. Percentage of Certificates, Exemptions, and Vaccines by Age Group

Type of School Class		# Child	# Cert.	Miss Cert.	Med. Ex.	Rel. Ex.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella	Tdap/ Td Booster	1 MCV
Kindergarten	# Child	53,983	51,382	2,094	128	379	50,755	50,993	50,767	49,843	49,404	N/A	N/A
	%	N/A	95.2%	3.9%	0.2%	0.7%	94.0%	94.5%	94.0%	92.3%	91.5%		
Sixth Grade	# Child	53,378	52,104	799	193	282	N/A		52,204	52,197	52,306	44,276	43,749
	%	N/A	97.6%	1.5%	0.4%	0.5%			97.8%	97.8%	98.0%	82.9%	82.0%
<p>The number of MMR and Varicella doses is dependent on a child's age. Children aged 19 through 47 months are required to have 1 dose of MMR and 1 dose of Varicella, while children aged 48 months and older are required to have 2 doses of MMR and 2 doses of Varicella.</p>													

Table 3. Average, Median, and Range of Vaccination Percentage by Age Group

		# Students Reported	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella	Tdap/Td Booster	MCV
Kindergarten	Average	450	94.0%	94.5%	94.0%	92.3%	91.5%	N/A	N/A
	Minimum (Lowest County Count or Rate)	18	77.5%	79.5%	81.7%	75.7%	71.9%		
	Median	225	95.7%	95.9%	95.8%	94.3%	93.8%		
	Maximum (Highest County Count or Rate)	9,323	100%	100%	100%	100%	100%		
Sixth Grade	Average	445	N/A	N/A	97.8%	97.8%	98.0%	82.8%	82.0%
	Minimum (Lowest County Count or Rate)	18			86.1%	86.8%	86.1%	27.1%	26.5%
	Median	227			98.6%	98.5%	98.7%	89.0%	88.0%
	Maximum (Highest County Count or Rate)	9,003			100%	100%	100%	100%	100%

Table 4. 95% Confidence Intervals and p-values of Vaccine-Specific Proportions, 2011-2015

Grade	School Year	Number of Students	4+ DTap	3+ Polio	3+ HepB	2 MMR	2 Varicella
Kindergarten	2011-2012	53,462	50,118 93.7% (93.5-94.0, p<0.001)	50,810 95.0% (94.9-95.2, p<0.001)	49,905 93.3% (93.1-93.6, p<0.001)	49,216 92.1% (91.8-92.3, p<0.001)	40,518 75.8% (75.4-76.2, p<0.001)
	2012-2013	56,846	53,407 94.0% (93.8-94.1, p<0.001)	53,525 94.2% (94.0-94.4, p<0.001)	53,158 93.5% (93.3-93.7, p<0.001)	52,454 92.3% (92.1-92.5, p<0.001)	50,774 89.3% (89.1-89.6, p<0.001)
	2013-2014	57,672	54,165 93.9% (93.7-94.1, p<0.001)	54,398 94.3% (94.1-94.5, p<0.001)	54,271 94.1% (93.9-94.3, p<0.001)	53,412 92.6% (92.4-92.8, p<0.001)	53,012 91.9% (91.7-92.1, p<0.001)
	2014-2015	56,238	53,083 94.4% (94.2-94.7, <0.001)	53,240 94.7% (94.5-94.9, p=0.001)	52,948 94.1% (94.0-94.3, p<0.001)	52,151 92.7% (92.5-93.0, p<0.001)	51,898 92.3% (92.1-92.5, p<0.001)
	2015-2016	53,983	50,755 94.0% (93.8-94.2, p<0.001)	50,993 94.5% (94.3-94.7, p<0.001)	50,767 94.0% (93.8-94.2, p<0.001)	49,843 92.3% (92.1-92.6, p<0.001)	49,404 91.5% (91.3-91.8, p<0.001)
Grade	School Year	Number of Students	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella
Sixth Grade	2011-2012	52,936	38,347 72.4% (72.1-72.8, p<0.001)	33,387 63.1% (62.7-63.5, p<0.001)	51,241 96.8% (96.6-97.0, p<0.001)	50,853 96.1% (95.9-96.2, p<0.001)	36,084 68.2% (67.8-68.6, p<0.001)
	2012-2013	51,732	42,191 81.6% (81.2-81.9, p<0.001)	40,836 78.9% (78.6-79.3, p<0.001)	49,924 96.5% (96.3-96.7, p<0.001)	50,233 97.1% (97.0-97.2, p<0.001)	41,691 80.6% (82.3-83.0, <0.001)
	2013-2014	52,692	43,068 81.7% (81.4-82.1, p<0.001)	42,382 80.4% (80.1-80.8, p<0.001)	51,405 97.6% (97.4-97.7, p<0.001)	51,421 97.6% (97.5-97.7, p<0.001)	44,350 84.2% (83.9-84.5, p<0.001)
	2014-2015	54,358	45,915 84.5% (84.2-84.8, p<0.001)	45,181 83.1% (82.8-83.4, p<0.001)	52,969 97.4% (97.6-97.9, p<0.001)	53,120 97.7% (97.6-97.9, p<0.001)	48,292 88.8% (88.6-89.1, p<0.001)
	2015-2016	53,378	44,276 82.9% (82.6-83.3, p<0.001)	43,749 82.0% (81.6-82.3, p<0.001)	52,204 97.8% (97.7-97.9, p<0.001)	52,197 97.8% (97.7-97.9, p<0.001)	52,306 98.0% (97.9-98.1, p<0.001)

Kindergarten

One hundred percent of schools with kindergarten classes, both public and private institutions, completed the annual survey for the 2015-2016 school year. KIP received surveys from 893 schools assessing antigen-specific immunizations for 53,983 children.

Highlights for Kindergarten Students

- 87.5% of counties reported >90.0% of current certificates on file
- 5.8% counties had >1.0% of students with a medical exemption
 - Robertson County reported the largest percentage of children with medical exemptions (5.6%)
- 20.8% counties had >1.0% of students with a religious exemption
 - Carlisle County reported the largest percentage of religious exemptions (5.1%)
- 10.8% counties had >10.0% of students with no certificate on file
- 55.8% counties reported 95.0% or greater of children receiving 4 or more DTaP
- 58.3% counties reported 95.0% or greater of children receiving 3 or more Polio
- 55.0% counties reported 95.0% or greater of children receiving 3 or more HepB
- 42.5% counties reported 95.0% or greater of children receiving 2 or more MMR
- 40.8% counties reported 95.0% or greater of children receiving 2 or more Varicella
- 40.0% counties met the Healthy People 2020 Objectives for each antigen (95% or greater for DTaP, Polio, HepB, MMR, and Varicella)

The following 48 counties reported 95.0% or greater for each vaccine (4+ DTaP, 3+ Polio, 3+ HepB, 2+ MMR, and 2 Varicella).

Adair	Bracken	Grant	Hopkins	Martin	Nicholas	Spencer
Allen	Breckinridge	Graves	Jackson	McCreary	Oldham	Taylor
Anderson	Calloway	Grayson	Jessamine	Meade	Pendleton	Trigg
Ballard	Elliott	Hart	Knott	Menifee	Pike	Wayne
Barren	Fleming	Henderson	LaRue	Mercer	Rockcastle	Wolfe
Boone	Floyd	Henry	Leslie	Metcalfe	Russell	Woodford
Bourbon	Fulton	Hickman	Marion	Morgan	Simpson	

Sixth Grade

One hundred percent of schools with kindergarten classes, both public and private institutions, completed the annual survey for the 2015-2016 school year. KIP received surveys from 599 schools assessing antigen-specific immunizations for 53,378 children.

Highlights for Sixth Grade Students

- 95.8% of all counties reported >90.0% of current certificates on file
- 5.0% counties had >1.0% of students with a medical exemption
 - Bracken County reported the largest percentage of medical exemptions (3.3%)
- 13.3% counties had >1.0% of students with a religious exemption
 - Calloway County reported the largest percentage of religious exemptions (1.9%)
- 4.2% counties had >10.0% of students with no certificate on file
- 70.0% counties reported 80.0% or greater of children receiving 1 Tdap/Td Booster
- 65.0% counties reported 80.0% or greater of children receiving 1 MCV
- 93.3% counties reported 95.0% or greater of children receiving 3 or more HepB
- 94.2% counties reported 95.0% or greater of children receiving 2 or more MMR
- 97.5% counties reported 90.0% or greater of children receiving 2 or more Varicella
- 62.5% counties met the Healthy People 2020 Objectives for each antigen (80% or greater for Tdap/Td Booster and MCV; and 90% or greater for Varicella), and the age appropriate KIP target measures (95% or greater for HepB and MMR)

The following 26 counties reported 95.0% or greater for each vaccine (1 Tdap, 1 MCV, 3+ HepB, 2 MMR, and 2 Varicella).

Adair	Fleming	Hickman	Marion	Meade	Robertson	Wayne
Ballard	Fulton	Jackson	Letcher	Menifee	Rockcastle	Woodford
Calloway	Hancock	Jessamine	McCreary	Owen	Russell	
Carter	Henry	LaRue	McLean	Pendleton	Spencer	

Improvement Trends in Counties Since the 2014-2015 Survey

Several improvement trends were noted at the county level from the 2014-2015 survey to the 2015-2016 survey:

- For Kindergarten, the Healthy People 2020 Objectives for each antigen (95% or greater for DTaP, Polio, HepB, MMR, and Varicella) were met in 40.0% of counties compared to 36.7% of counties in the 2014-2015 survey.
- For Sixth Grade, the Healthy People 2020 Objectives for each antigen (80% or greater for Tdap/Td Booster and MCV; and 90% or greater for Varicella) and the age-appropriate KIP target measures (95% or greater for HepB and MMR) were met in 60.8% counties compared to 50.0% of counties in the 2014-2015 survey.
- For Sixth Grade, 97.5% counties reported 90.0% or greater of children receiving 2 or more doses of Varicella vaccine compared to 61.0% of counties in the 2014-2015 survey.
- When the lower and upper limits values of confidence intervals in Table 4 did not overlap when comparing results for the last two years, the estimated differences in measures would be statistically significant. A statistically significant change that increased immunization compliance rates was reported in the sixth grade for two doses of Varicella, with an increase in the state average from 88.8% in the 2014-2015 survey to 98.0% for the 2015-2016 survey.

County Profiles about Immunization Coverage

Appendix B has a summary of the survey results about immunization coverage for Kindergarten and Sixth Grade, by County, in a detailed County Profile. Instructions on “How to read a county profile” are included in Appendix B.

Area Development District Profiles about Immunization Coverage

Appendix C has a summary of the survey results about immunization coverage for Kindergarten and Sixth Grade in an Area Development District (ADD) and has an overall summary for each county in the ADD. Instructions on “How to read an ADD profile” are included in Appendix C.

Immunization Profiles for All Schools, by County

Appendix D contains a summary report of immunization coverage for all of Kindergarten and Sixth Grade for all schools in a county. Instructions on “How to read a county profile” are included in Appendix D.

Discussion

An ongoing challenge for medical providers, health department, health plans, and parents is that immunization successes must be repeatedly earned with each birth cohort. Success is one year do not necessarily translate to another school year without the ongoing commitment to achieve immunization goals each year.

Since the 2011-2012 Annual School Immunization Survey, statewide Kindergarten results for 4+ DTaP, 3+ Polio, 3+ HepB, and 2 MMR have been 90.0% or greater for coverage of each vaccine, but have not surpassed the Healthy People 2020 Objectives to meet or exceed 95% or greater coverage.

Two doses of Varicella among kindergarteners increased from 75.8% in 2011 to 91.5% in 2015. The increase may be a direct result of the 902 KAR 2:060 regulation revisions of 2010, requiring two doses of varicella for school entry for kindergarteners. Provider and parent education and public health awareness campaigns likely have effectively influenced the varicella coverage rates during this period. However, additional education is still required to raise compliance rates up to the same levels or greater for 4+ DTaP, 3+ Polio, 3+ HepB, and 2 MMR in each kindergarten cohort.

Since the 902 KAR 2:060 immunization regulation change of 2010, sixth grade compliance rates for one dose of Tdap and MCV, and two doses of Varicella have drastically improved from the 2011 survey to the 2015 survey. Only 72.4% of sixth graders had one dose of Tdap, 63.1% had one dose of MCV, and 68.2% had two doses of Varicella in 2011. Since 2011, the rates have surpassed the Healthy People 2020 Objectives for 80.0% or greater of sixth graders for Tdap and MCV, and 90.0% or greater for Varicella. These increases likely are a direct result of the KIP adolescent education campaign, and promotion of the regulation revisions. Evaluation practices of school vaccination rates increased during this period, stemming from the inception of this report, promoting competition between school districts. Also during this period, the adolescent Assessment, Feedback, Incentives and Exchange (AFIX) visits by KIP field staff to Vaccine for Children (VFC) providers were initiated. Chart reviews, missed opportunities, and education about age-specific immunization requirements for school-entry were addressed during those AFIX visits.

Kindergarten results have not exceeded the Healthy People 2020 objectives of 95% or greater for DTaP, Polio, HepB, MMR and Varicella. Herd immunity is established between 92-95%, reducing the likelihood of an infectious transmission. However, to reach “a critical vaccination level, [for] herd immunity and disease eradication (Betsch, Bohm, & Korn, 2013),”² 95% vaccination levels must be achieved.

Fine, Eames and Heymann (2011) state “maintenance of high coverage is particularly difficult as the diseases decline in frequency, and as populations become more sophisticated and more likely to question recommendations (p.915).”³ Unless direct communication about the social benefits to vaccination are relayed to parents, there will continue to be increases in “free-ride” or herd immunity within school settings. Therefore, more education needs to be provided to parents about the public

health impacts vaccinations have within schools, especially for the protection of vulnerable students who are immunocompromised.

Comparison of National Immunization Survey to the Annual School Immunization Survey

Results of the 2015 National Immunization Survey (NIS)⁴ indicate that vaccination compliance for ≥ 4 doses of DTaP increases by the time children enter kindergarten. Only 87.0% (± 4.8) of households with children between 19-35 months had received ≥ 4 doses of DTaP, while 94.0% of kindergartners were reported as having four or more doses of DTaP. Unfortunately, it is difficult to make additional comparisons between the NIS and the Annual School Immunization Survey, as data for four vaccines assessed in NIS (Hib, PCV, HepA, and Rotavirus) were not collected at the school level. Nor is the combined (4:3:1:3:3:1:4) vaccine series applicable to the school survey as two doses of both MMR and Varicella are required for school entry. However, the NIS does provide good estimates for what to expect for vaccination compliance of incoming kindergartners. NIS results could help to predict if school-entry immunization clinics would be beneficial to school districts to catch-up children who were behind on vaccinations.

Limitations

There were several limitations to this study. First, the survey data were self-reported. KIP relied heavily on school and childcare personnel to accurately report vaccine-specific data. Although the supplemental worksheet to line list grade rosters to tally results for vaccine compliance was an aid in correctly identifying students who were current and up-to-date, completion is not mandated by law. KIP staff used a weighted validation process whereby field staff were sent to schools in each region to systematically sample students in the kindergarten class to ensure the data were being accurately reported. In some instances, KIP field staff were used as data collectors for non-respondent schools to increase survey compliance, but only for the kindergarten class per CDC guidance. Further validation measures will be implemented in future years to assure the data are collected correctly and reported accurately.

Homeschooled Children

The Kentucky Administrative Regulation for “Immunization schedules for attending child day care centers, certified family child care homes, other licensed facilities which care for children, preschool programs, and public and private primary and secondary schools,” (902 KAR 2:060 effective in Dec 2010) does not mandate immunization requirements for children in Kentucky who are homeschooled. KIP does not have a current method to assess vaccination coverage for homeschooled children.

A2Z Home's Cool estimated that approximately 20,150 children in Kentucky aged 5 through 17 years were taught at home during the 2015-2016 school year (http://a2zhomeschooling.com/all_time_favorites/numbers_homeschooled_students/). Using KDE 2015-2016 enrollment data, KIP staff estimate that approximately 1,521 kindergarteners and 1,527 sixth graders were home schooled during this period and accounted for 2.6% of the age-specific population.

Recommendations for Using the Results of the Kentucky Annual School Immunization Survey

It is recommended that this report be used by school district administrators to assess district vaccination compliance and identify at-risk schools for the potential of vaccine preventable disease outbreaks. Kentucky has been in a statewide pertussis outbreak for several years, and this report can be used to identify schools with low pertussis containing (DTaP and Tdap) vaccination compliance rates for the potential of an outbreak. By identifying at risk schools and promoting immunizations, school district administrators will reduce the likelihood of an outbreak and decrease exposures to vaccine preventable diseases for immunocompromised students or students that have contraindications for administration of certain vaccines.

School administrators can also use this report to adapt policies and procedures for school enrollment to require documentation of vaccination compliance prior to the first day of school. They can implement protocols for school nurses and other identified personnel to enroll as Kentucky Immunization Registry users to view and print current immunization certificates to be filed as part of students' educational records.

School nurses can use this report to promote the importance of immunizations to parents. Information about immunizations can be shared with parents who are vaccine hesitant, or do not understand the adverse public health implications of low compliance for recommended immunizations on the school and community. This report can also help to promote back-to-school vaccination clinics and partnerships with providers and public health to increase vaccination compliance in low coverage rate counties.

Parents can use this report to identify schools with low vaccination coverages and advocate for improvement in coverages. This information can be particularly important if children are immunocompromised and parents must rely on herd immunity to protect their child from vaccine preventable diseases.

Providers can use this report to evaluate their practices for childhood vaccination compliance, especially in low coverage rate areas. Further, it is recommended that all providers enroll in the KYIR and enter historical immunization data in addition to new vaccine doses administered to create a single, current immunization certificate for each child.

This report can be used by public health officials to implement strategies to promote vaccinations for the entire community and promote back-to-school immunization clinics. Public health officials can collaborate with district school administrators and area providers to create vaccination awareness campaigns to educate about the implications low vaccination coverage rates can have within vulnerable communities.

Conclusion

School entry regulations requiring childhood immunizations serve to protect children against once common vaccine-preventable diseases, some of which are still circulating widely in other areas of the world. "School immunization requirements have not only been highly successful in reducing the incidence of disease but also in improving the immunization levels in school children."⁵ In a 2-year effort, the Cincinnati primary school system was able to increase immunization levels of school-age children from 60% to 91% by following a program based upon its legal authority to require immunizations.³ "Laws requiring that children be immunized before they begin school have contributed to a 98% to 100% reduction in the incidence of [Vaccine Preventable Diseases]."⁶ According to Hinman, Orenstein, Williamson, and Darrington (2002), policy makers must balance the need to provide individual choice with the need to protect children's health.⁵

Schools can take steps to increase the number of students that are up-to-date on immunizations. Schools can keep immunization records neat and organized to make it easier to find files and identify when a child needs an immunization. Schools can implement a tickler filing system and organize files based on which children will need an updated vaccine by date. School administrators can also check student records regularly for children not up-to-date on their immunizations and have a system in place to get each child immunized in a timely manner. For facilities that have electronic records, alerts can be set up to inform school staff when a child is no longer current on immunizations.

School administrators, medical providers, and parents can work together to ensure that children are made safe from morbidity and mortality caused by vaccine preventable diseases. KIP will continue to assess age-appropriate vaccines for children enrolled in school and childcare facilities to ensure they are current and up-to-date according to the state regulation (902 KAR 2:060) and the recommendations of the Advisory Committee on Immunization Practices (ACIP).

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APPENDIX A

KENTUCKY ANNUAL SCHOOL IMMUNIZATION SURVEY REPORT 2015 – 2016

Immunization Survey Tool

**KINDERGARTEN A-1
SIXTH GRADE A-2**



COMMONWEALTH OF KENTUCKY
SCHOOL/FACILITY ANNUAL IMMUNIZATION SURVEY
Kindergarten
(902 KAR 2:055)

Please complete this form in its entirety.

1. Demographic Information

County: _____
School/Facility Name: _____
Address: _____
City: _____
State: _____ Zipcode: _____
Phone Number: _____

Type of Facility

(Place a check in the appropriate box)

- Private
 Public

Total number of children enrolled in Kindergarten

NOTE: Information for the following should be obtained from the Commonwealth of Kentucky Immunization Certificate for each enrolled child.

2. Immunization Certificates and Exemptions

- a. How many children have a current/provisional or expired immunization certificate on file?
b. How many children are exempt from all or some immunizations for medical reasons?
c. How many children are exempt from all immunizations for religious reasons?
d. How many children DO NOT have any immunization certificate on file?

STOP: The total of 2a + 2b + 2c + 2d MUST = the total number of children enrolled in Kindergarten

3. Vaccine Dose Summary

Vaccine	# Doses	# Children
DTaP/DTP/DT	4 or more	
Polio	3 or more	
Hepatitis B	3 or more	
MMR	2	
Varicella [or child has had chickenpox disease]	2	

Name of person completing this form: _____ Date: _____



COMMONWEALTH OF KENTUCKY
SCHOOL/FACILITY ANNUAL IMMUNIZATION SURVEY
Sixth Grade
(902 KAR 2:055)

Please complete this form in its entirety.

1. Demographic Information

County: _____
School/Facility Name: _____
Address: _____
City: _____
State: _____ **Zipcode:** _____
Phone Number: _____

Type of Facility

(Place a check in the appropriate box)

- Private**
 Public

**Total number of
children enrolled in
Sixth Grade**

NOTE: Information for the following should be obtained from the Commonwealth of Kentucky Immunization Certificate for each enrolled child.

2. Immunization Certificates and Exemptions

- a. How many children have a current/provisional or expired immunization certificate on file?
b. How many children are exempt from all or some immunizations for medical reasons?
c. How many children are exempt from all immunizations for religious reasons?
d. How many children DO NOT have any immunization certificate on file?

STOP: The total of 2a + 2b + 2c + 2d MUST = the total number of children enrolled in Sixth Grade.

3. Vaccine Dose Summary

Vaccine	# Doses	# Children
Tdap	1	
Td Booster	1	
MCV (Meningococcal)	1	
Hepatitis B [3 doses] or Adolescent/Adult Hepatitis B [2 doses]	3 or 2	
MMR	2	
Varicella [or child has had chickenpox disease]	2	

Name of person completing this form: _____ Date: _____

APPENDIX B

KENTUCKY ANNUAL SCHOOL IMMUNIZATION SURVEY REPORT 2015 – 2016

County Profiles About Immunization Coverage

How to Read a County Profile

Each county's profile summarizes school survey responses and how each age group collectively compares to the state average, US average, and Healthy People 2020 Objectives or Kentucky Immunization Program (KIP) target measures. These pages are meant to provide a quick snapshot of school-aged immunization coverage rates and to identify areas for improvement as assessed from the Annual School Immunization Survey.

No. of Children: These numbers indicate how many children were counted in the survey responses for each specific age group. This is not a count of how many schools or childcare facilities reported last year. Use caution when reviewing data when these numbers are very low.

Percentage of Certificates and Exemptions on File: A profile provides a quick and easy way to determine the percentage breakdown of certificate types by age group. The majority of certificates were current, including provisional.

Vaccination Coverage Levels (with 95% Confidence Intervals) for Kindergarten and Sixth Grade: Each bar chart displays the calculated mean for each age-specific vaccination by age group. The black line with a vertical bracket at the beginning and end of the line identifies a 95% confidence interval for the lower and upper limit of the mean for each age-specific vaccination. This confidence interval represents a level of certainty about how good the calculated mean estimated the true mean if the school survey was repeated again and again. Ninety-five percent confidence intervals are routinely calculated by epidemiologists and statisticians, so you can be 95% certain the calculated confidence interval contains the true mean of the population. Sample size can change the width of the calculated confidence interval. Small counties with few schools and a small number of reports for students in each age group will cause the calculated range of values for the confidence interval to be much larger than counties with more schools and a larger number of reports for students. The confidence interval is much narrower when calculated with the survey data from a larger number of students.

Age-Specific Group Vaccines and Doses: This section of the profile outlines the percentage of children in each age group with the appropriate number of age-specific vaccine doses.

County Ranking: Counties were ranked 1 (Best) to 120 (Least) for the average percentage of children with the appropriate age-specific vaccine doses.

KY Average: Overall state average percentages of age-specific vaccine doses.

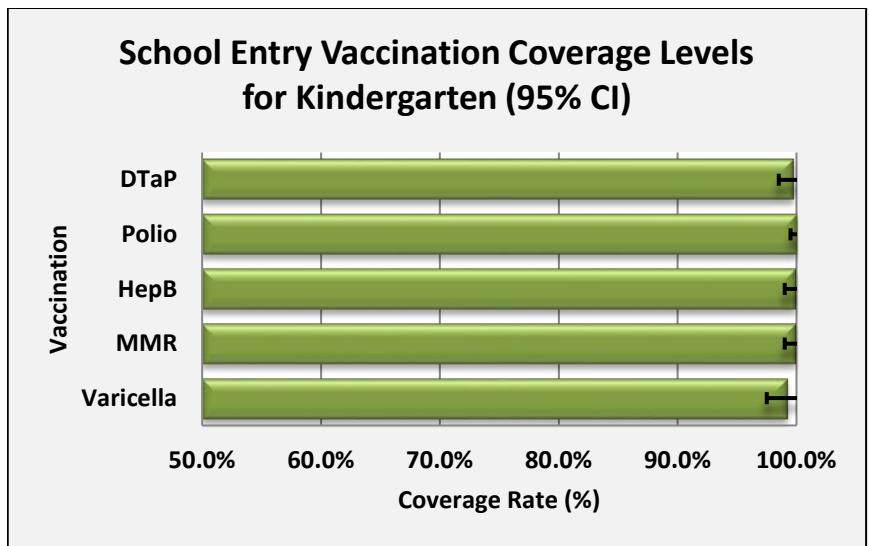
US Average: Overall US average percentages of age-specific vaccine doses.

Target Goal: Targets for Healthy People (HP) 2020 Objectives vary between age groups. This target for Kindergarten was 95% or greater for all age-specific vaccines. Sixth Grade HP 2020 objectives had immunization target measures of 80% or greater for 1 Tdap and 1 MCV, and 90% or greater for 2 Varicella doses. Age-appropriate KIP target measures were 95% or greater for both HepB and MMR at sixth grade entry. If any county percentages did not meet the HP 2020 Goal, or KIP target measure, for an age-specific vaccine during the 2015 - 2016 school year, those percentages were highlighted in red with the added words, "Not Met", for that vaccine indicated in the corresponding row of the profile table.

Adair County

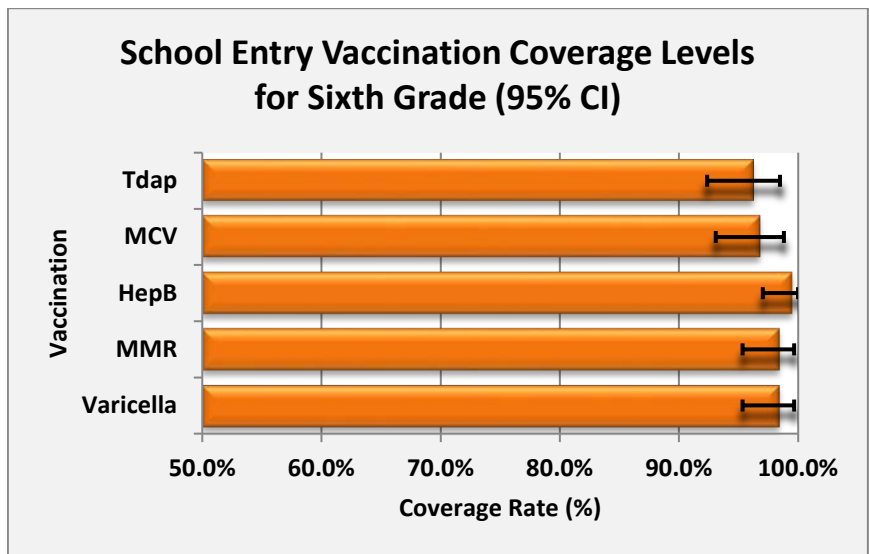
201 Children in Kindergarten

185 Children in Sixth Grade



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	99.5%	99.5%
Medical Exemption	0.5%	0.5%
Religious Exemption	0.0%	0.0%
No Certificate on File	0.0%	0.0%

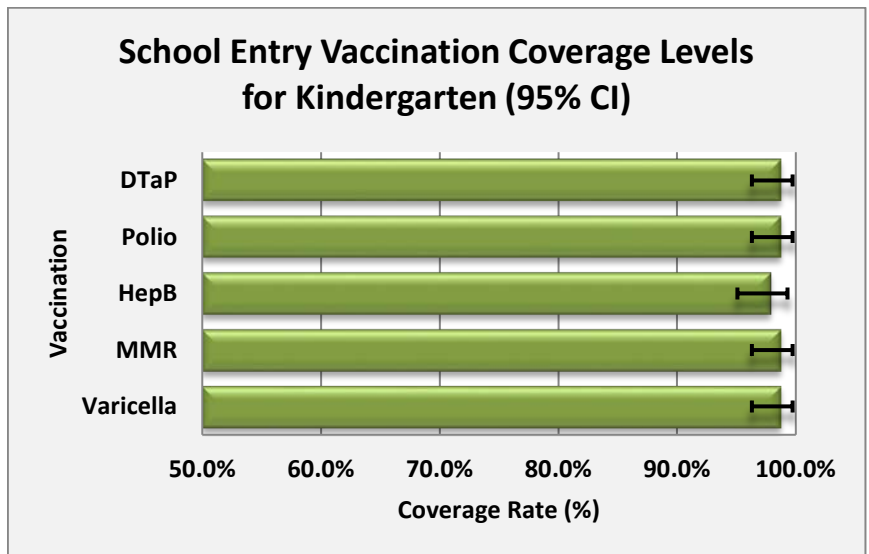


Age-Specific Group: Vaccines and Doses		Adair County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.5	19	94.0	94.2	Met
3+	Polio	99.5	10	94.5	-----	Met
3+	HepB	99.0	14	94.0	-----	Met
2	MMR	99.0	9	92.3	94.0	Met
2	Varicella	97.5	19	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	96.2	24	82.8	87.6 (±0.9)	(80%) Met
1	MCV	96.8	20	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.5	28	97.4	-----	(95%) Met
2	MMR	98.4	66	97.8	-----	(95%) Met
2	Varicella	98.4	73	98.0	81.0 (±1.2)	(90%) Met

Allen County

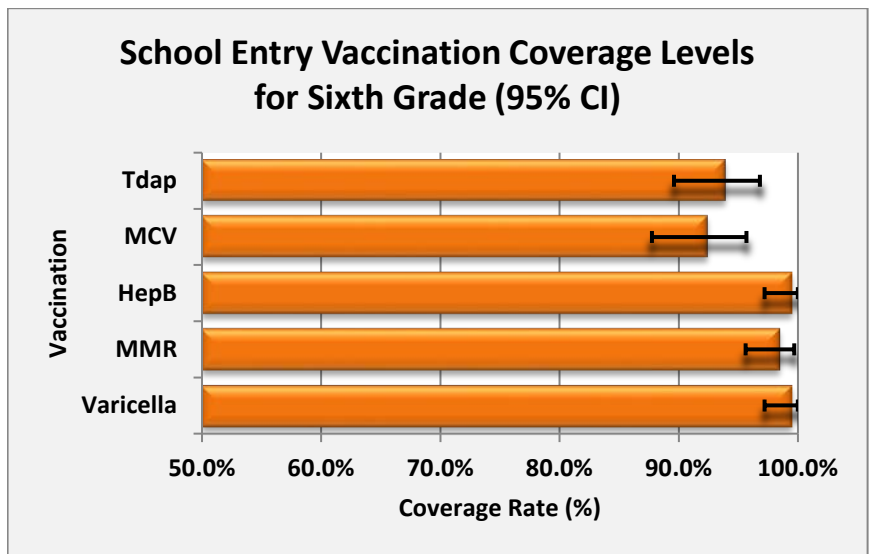
234 Children in Kindergarten

197 Children in Sixth Grade



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	99.2%	91.9%
Medical Exemption	0.0%	0.5%
Religious Exemption	0.4%	0.5%
No Certificate on File	0.4%	7.1%



Age-Specific Group: Vaccines and Doses		Allen County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.7	16	94.0	94.2	Met
3+	Polio	98.7	24	94.5	-----	Met
3+	HepB	97.9	37	94.0	-----	Met
2	MMR	98.7	11	92.3	94.0	Met
2	Varicella	98.7	7	91.5	93.6	Met
Sixth Grade						
Doses	Antigen			%	%	% Varies
1	Tdap	93.9	38	82.8	87.6 (±0.9)	(80%) Met
1	MCV	92.4	41	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.5	27	97.4	-----	(95%) Met
2	MMR	98.5	60	97.8	-----	(95%) Met
2	Varicella	99.5	37	98.0	81.0 (±1.2)	(90%) Met

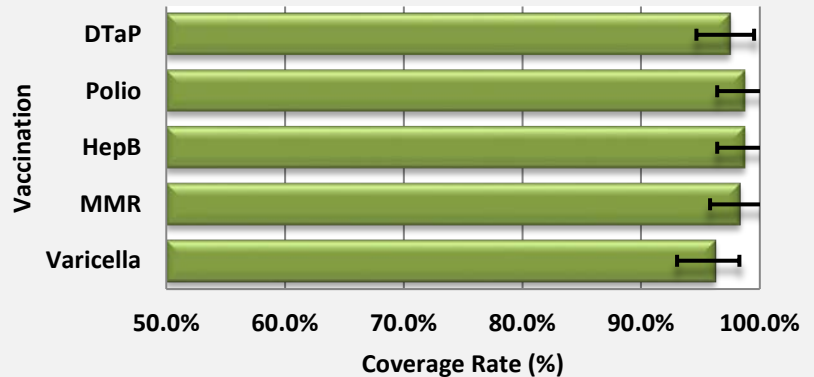
Anderson County

241 Children in Kindergarten

324 Children in Sixth Grade



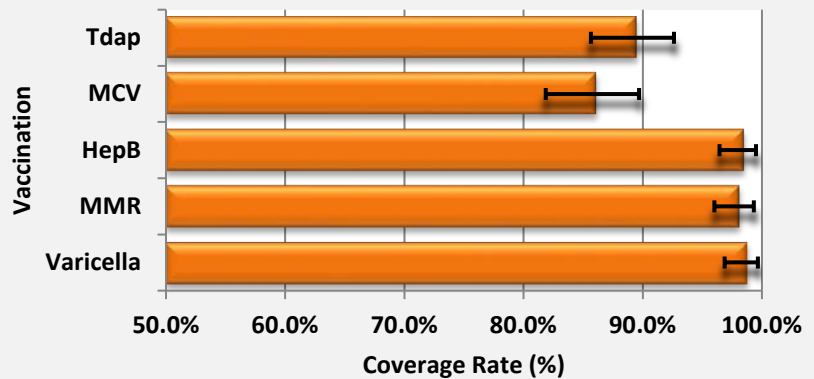
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	98.4%	98.2%
Medical Exemption	0.4%	0.3%
Religious Exemption	0.8%	0.6%
No Certificate on File	0.4%	0.9%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Anderson County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	97.5	39	94.0	94.2	Met
3+	Polio	98.8	23	94.5	-----	Met
3+	HepB	98.8	18	94.0	-----	Met
2	MMR	98.3	14	92.3	94.0	Not Met
2	Varicella	96.3	35	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	89.5	57	82.8	87.6 (±0.9)	(80%) Met
1	MCV	86.1	68	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.5	65	97.4	-----	(95%) Met
2	MMR	98.1	75	97.8	-----	(95%) Met
2	Varicella	98.8	58	98.0	81.0 (±1.2)	(90%) Met

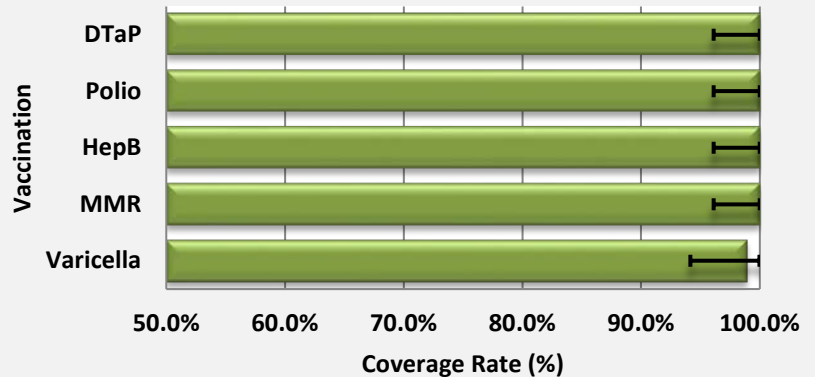
Ballard County

93 Children in Kindergarten

97 Children in Sixth Grade



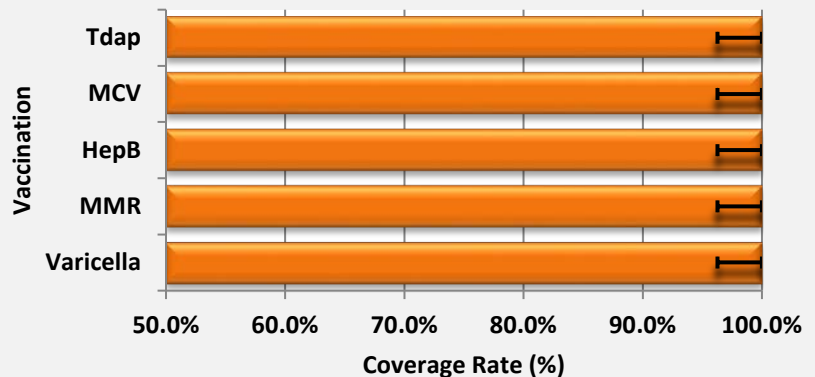
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	100.0%	99.0%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	1.0%
No Certificate on File	0.0%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)

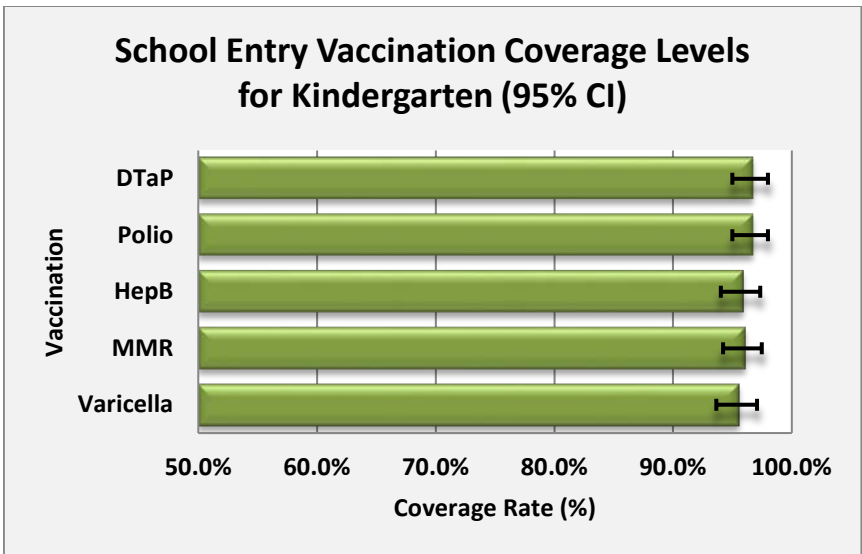


Age-Specific Group: Vaccines and Doses		Ballard County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	100.0	1	94.0	94.2	Met
3+	Polio	100.0	1	94.5	-----	Met
3+	HepB	100.0	1	94.0	-----	Met
2	MMR	100.0	1	92.3	94.0	Met
2	Varicella	98.9	6	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	100.0	1	82.8	87.6 (±0.9)	(80%) Met
1	MCV	100.0	1	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	100.0	1	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

Barren County

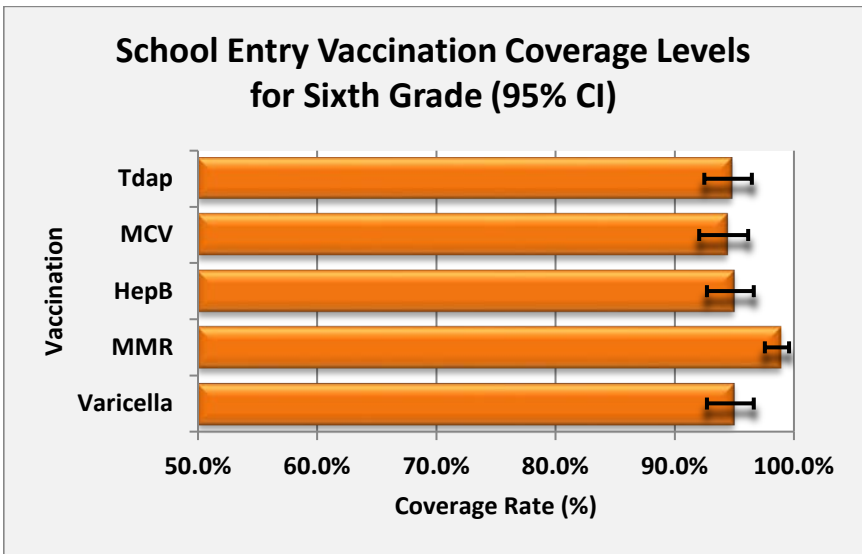
611 Children in Kindergarten

532 Children in Sixth Grade



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.4%	98.8%
Medical Exemption	0.3%	0.4%
Religious Exemption	1.0%	0.4%
No Certificate on File	1.3%	0.4%



Age-Specific Group: Vaccines and Doses		Barren County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	96.7	46	94.0	94.2	Met
3+	Polio	96.7	52	94.5	-----	Met
3+	HepB	95.9	57	94.0	-----	Met
2	MMR	96.1	43	92.3	94.0	Met
2	Varicella	95.6	42	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	94.7	32	82.8	87.6 (±0.9)	(80%) Met
1	MCV	94.4	33	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	94.9	113	97.4	-----	(95%) Not Met
2	MMR	98.9	41	97.8	-----	(95%) Met
2	Varicella	94.9	111	98.0	81.0 (±1.2)	(90%) Met

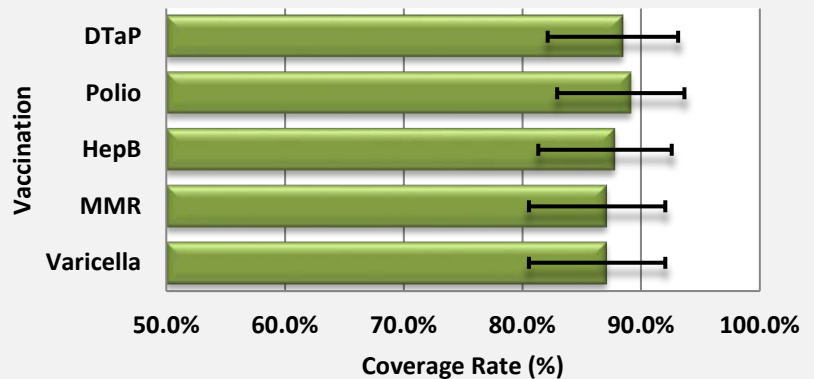
Bath County

147 Children in Kindergarten

175 Children in Sixth Grade



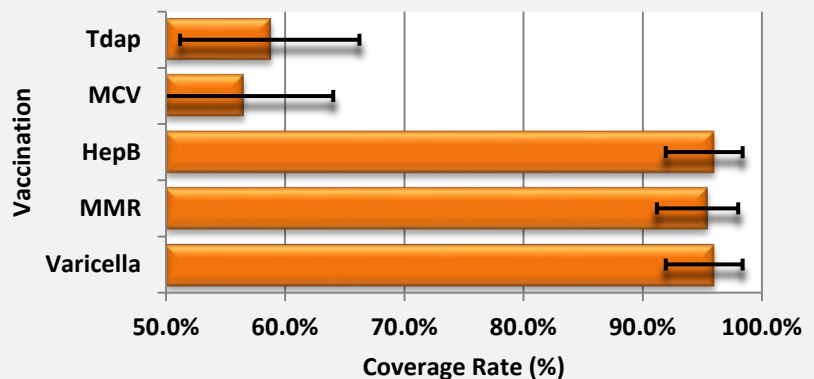
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	88.4%	96.0%
Medical Exemption	0.7%	0.0%
Religious Exemption	0.0%	0.6%
No Certificate on File	10.9%	3.4%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Bath County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	88.4	104	94.0	94.2	Not Met
3+	Polio	89.1	105	94.5	-----	Not Met
3+	HepB	87.8	104	94.0	-----	Not Met
2	MMR	87.1	98	92.3	94.0	Not Met
2	Varicella	87.1	95	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	58.9	108	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	56.6	109	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	96.0	106	97.4	-----	(95%) Met
2	MMR	95.4	111	97.8	-----	(95%) Met
2	Varicella	96.0	105	98.0	81.0 (±1.2)	(90%) Met

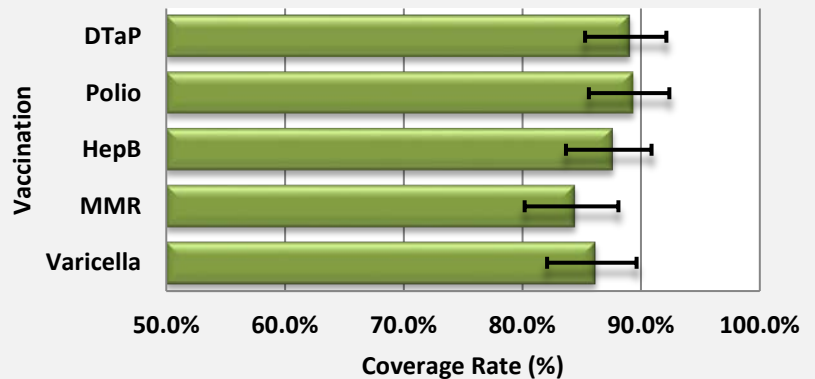
Bell County

347 Children in Kindergarten

358 Children in Sixth Grade



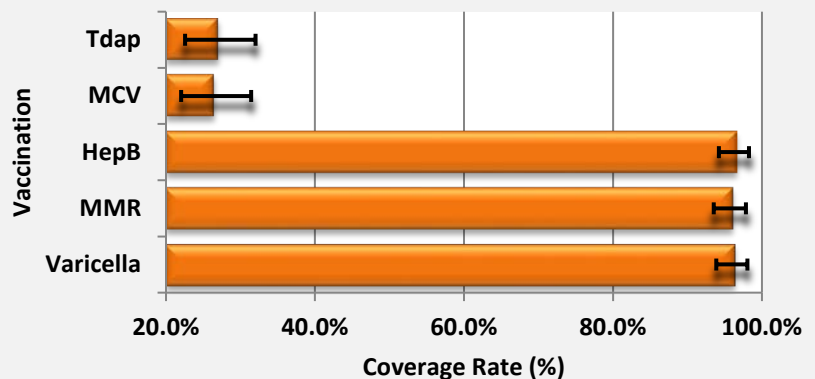
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	90.2%	97.5%
Medical Exemption	0.9%	0.0%
Religious Exemption	0.9%	0.0%
No Certificate on File	8.0%	2.5%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Bell County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	89.0	102	94.0	94.2	Not Met
3+	Polio	89.3	103	94.5	-----	Not Met
3+	HepB	87.6	106	94.0	-----	Not Met
2	MMR	84.4	108	92.3	94.0	Not Met
2	Varicella	86.2	97	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	27.1	120	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	26.5	120	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	96.6	96	97.4	-----	(95%) Met
2	MMR	96.1	104	97.8	-----	(95%) Met
2	Varicella	96.4	103	98.0	81.0 (±1.2)	(90%) Met

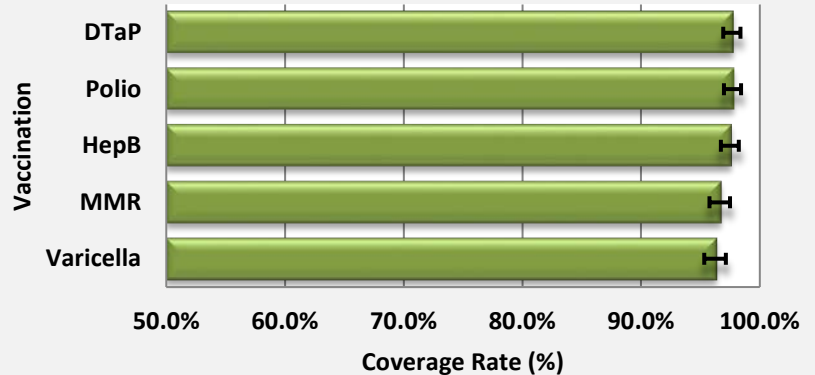
Boone County

1,761 Children in Kindergarten

1,952 Children in Sixth Grade



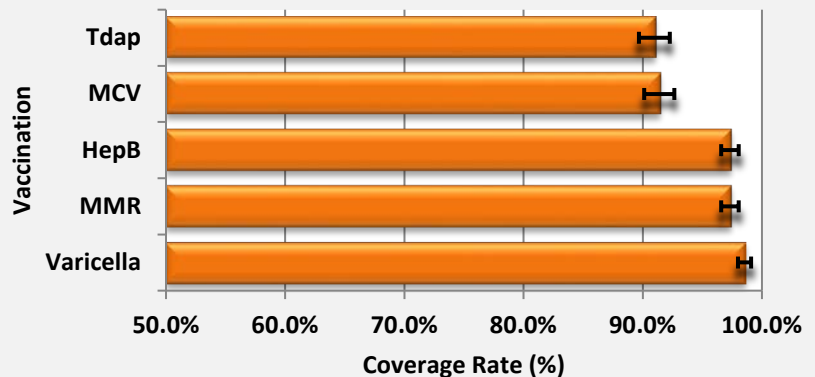
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.7%	97.9%
Medical Exemption	0.4%	0.4%
Religious Exemption	1.7%	1.7%
No Certificate on File	0.2%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Boone County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	97.7	35	94.0	94.2	Met
3+	Polio	97.8	40	94.5	-----	Met
3+	HepB	97.6	42	94.0	-----	Met
2	MMR	96.7	34	92.3	94.0	Met
2	Varicella	96.3	34	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	91.0	48	82.8	87.6 (±0.9)	(80%) Met
1	MCV	91.4	46	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	97.4	88	97.4	-----	(95%) Met
2	MMR	97.4	88	97.8	-----	(95%) Met
2	Varicella	98.6	62	98.0	81.0 (±1.2)	(90%) Met

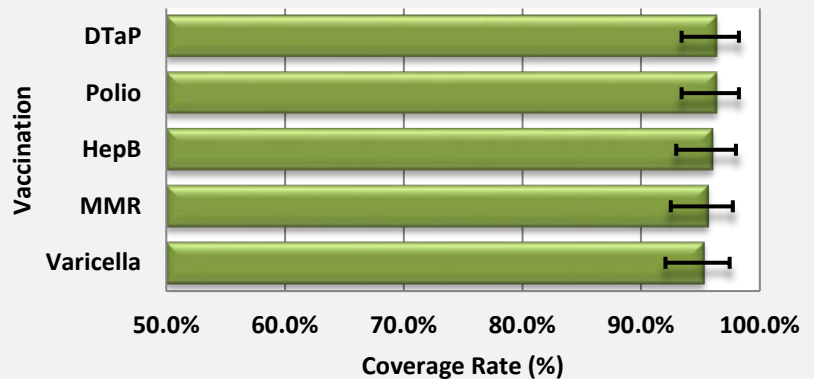
Bourbon County

275 Children in Kindergarten

266 Children in Sixth Grade



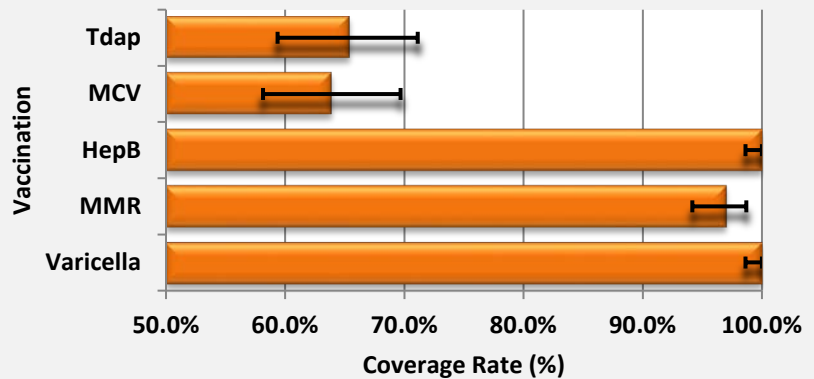
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	96.7%	97.7%
Medical Exemption	0.0%	0.4%
Religious Exemption	0.4%	0.8%
No Certificate on File	2.9%	1.1%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Bourbon County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	96.4	49	94.0	94.2	Met
3+	Polio	96.4	57	94.5	-----	Met
3+	HepB	96.0	56	94.0	-----	Met
2	MMR	95.6	46	92.3	94.0	Met
2	Varicella	95.3	45	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	65.4	105	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	63.9	103	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	97.0	93	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

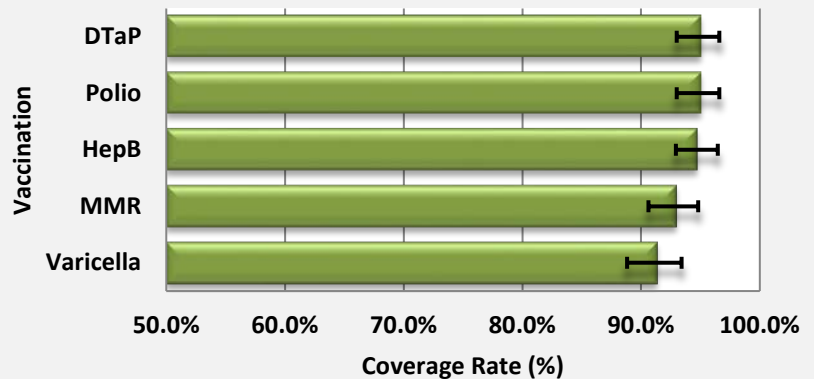
Boyd County

622 Children in Kindergarten

585 Children in Sixth Grade



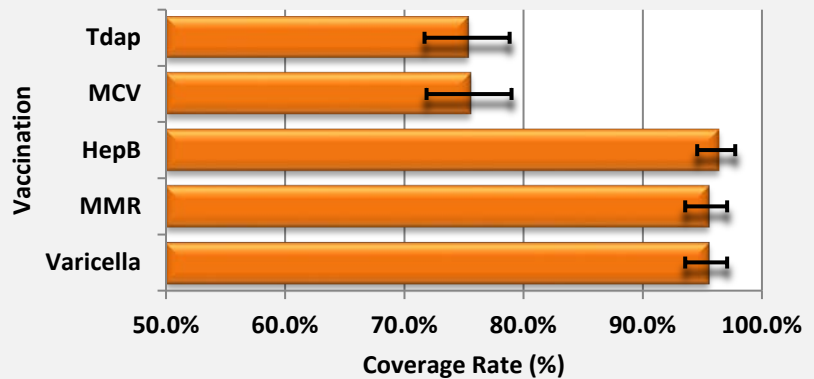
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	95.4%	96.6%
Medical Exemption	0.3%	0.2%
Religious Exemption	0.8%	0.3%
No Certificate on File	3.5%	2.9%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Boyd County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	95.0	67	94.0	94.2	Met
3+	Polio	95.0	70	94.5	-----	Met
3+	HepB	94.7	69	94.0	-----	Not Met
2	MMR	92.9	73	92.3	94.0	Not Met
2	Varicella	91.3	83	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	75.4	91	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	75.6	88	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	96.4	101	97.4	-----	(95%) Met
2	MMR	95.6	108	97.8	-----	(95%) Met
2	Varicella	95.6	107	98.0	81.0 (±1.2)	(90%) Met

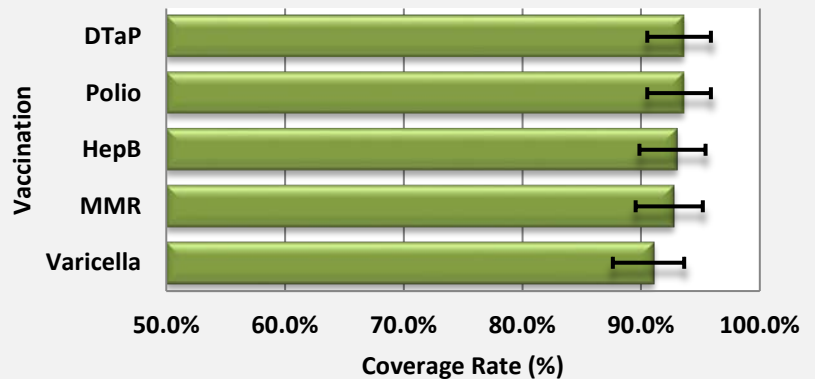
Boyle County

358 Children in Kindergarten

362 Children in Sixth Grade



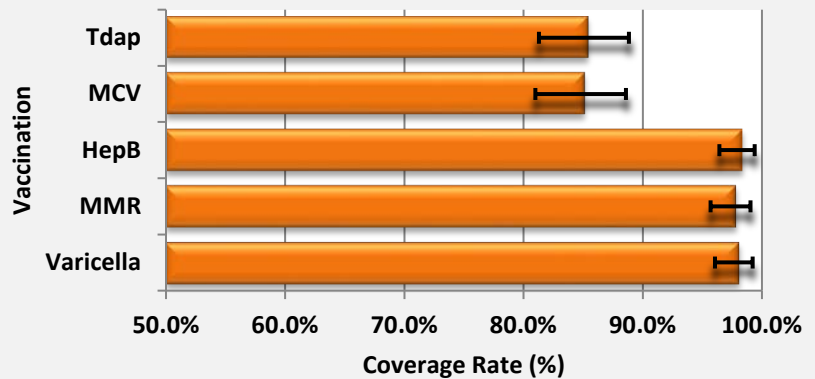
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	94.7%	98.6%
Medical Exemption	0.3%	0.0%
Religious Exemption	0.5%	0.3%
No Certificate on File	4.5%	1.1%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Boyle County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	93.6	83	94.0	94.2	Not Met
3+	Polio	93.6	84	94.5	-----	Not Met
3+	HepB	93.0	81	94.0	-----	Not Met
2	MMR	92.7	76	92.3	94.0	Not Met
2	Varicella	91.1	84	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	85.4	75	82.8	87.6 (±0.9)	(80%) Met
1	MCV	85.1	72	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.3	70	97.4	-----	(95%) Met
2	MMR	97.8	80	97.8	-----	(95%) Met
2	Varicella	98.1	80	98.0	81.0 (±1.2)	(90%) Met

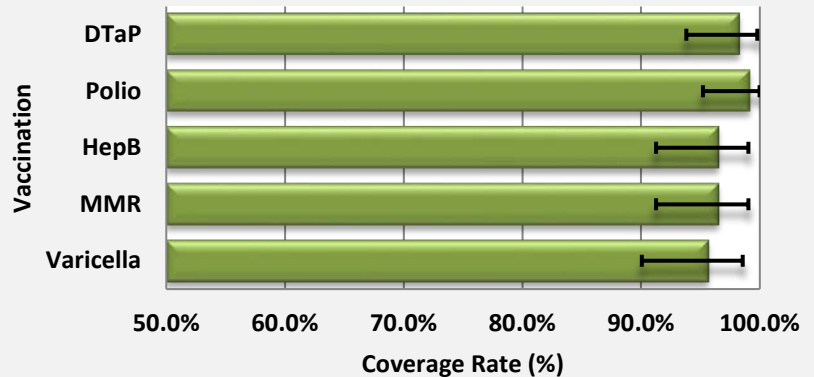
Bracken County

114 Children in Kindergarten

123 Children in Sixth Grade



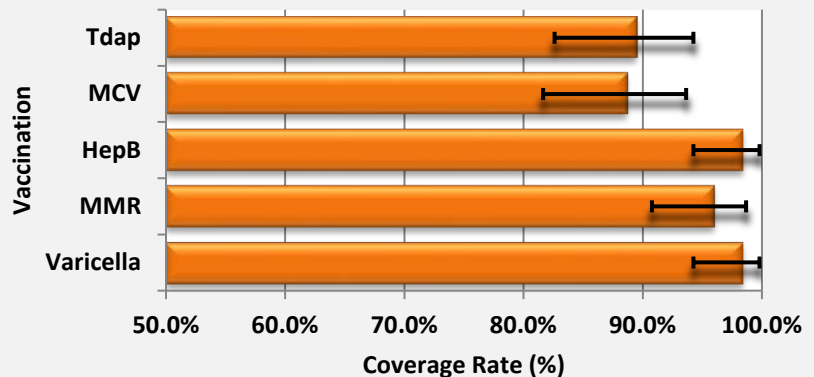
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	99.1%	95.9%
Medical Exemption	0.0%	3.3%
Religious Exemption	0.9%	0.8%
No Certificate on File	0.0%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Bracken County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.2	22	94.0	94.2	Met
3+	Polio	99.1	17	94.5	-----	Met
3+	HepB	96.5	51	94.0	-----	Met
2	MMR	96.5	39	92.3	94.0	Met
2	Varicella	95.6	41	91.5	93.6	Met
Sixth Grade⁵⁸						
Doses	Antigen	%		%	%	% Varies
1	Tdap	89.4	59	82.8	87.6 (±0.9)	(80%) Met
1	MCV	88.6	59	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.4	69	97.4	-----	(95%) Met
2	MMR	95.9	106	97.8	-----	(95%) Met
2	Varicella	98.4	75	98.0	81.0 (±1.2)	(90%) Met

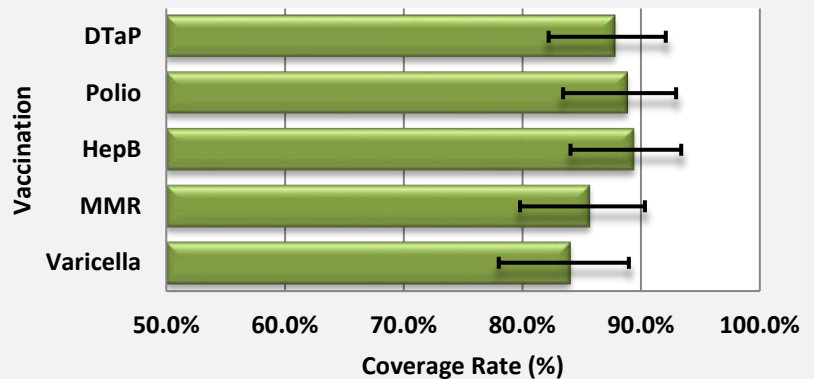
Breathitt County

188 Children in Kindergarten

195 Children in Sixth Grade



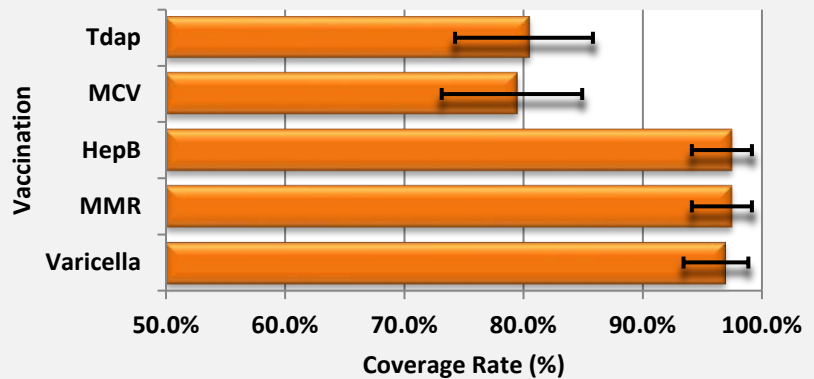
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	91.5%	95.4%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	1.0%
No Certificate on File	8.5%	3.6%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Breathitt County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	87.8	107	94.0	94.2	Not Met
3+	Polio	88.8	106	94.5	-----	Not Met
3+	HepB	89.4	102	94.0	-----	Not Met
2	MMR	85.6	104	92.3	94.0	Not Met
2	Varicella	84.0	109	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	80.5	82	82.8	87.6 (±0.9)	(80%) Met
1	MCV	79.5	79	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	97.4	87	97.4	-----	(95%) Met
2	MMR	97.4	86	97.8	-----	(95%) Met
2	Varicella	96.9	95	98.0	81.0 (±1.2)	(90%) Met

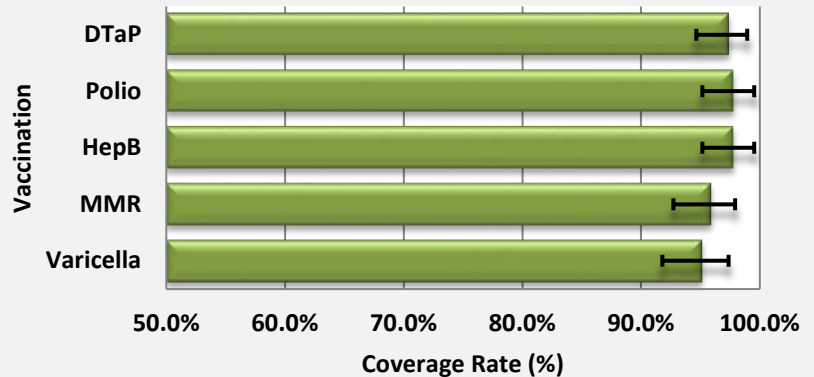
Breckinridge County

266 Children in Kindergarten

278 Children in Sixth Grade



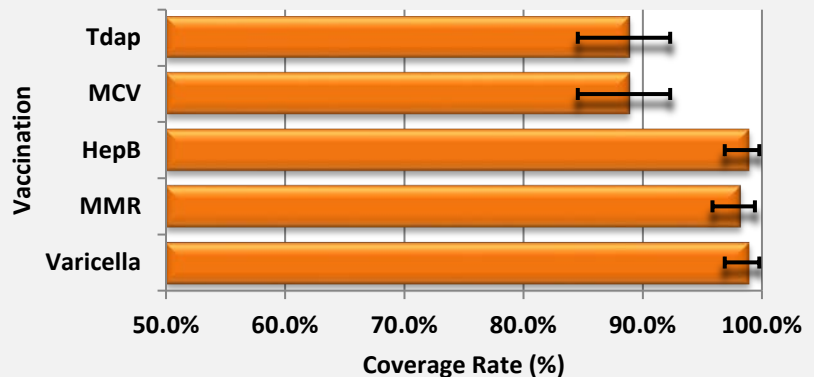
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.7%	98.6%
Medical Exemption	0.4%	0.0%
Religious Exemption	0.4%	0.0%
No Certificate on File	1.5%	1.4%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Breckinridge County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	97.4	42	94.0	94.2	Met
3+	Polio	97.7	41	94.5	-----	Met
3+	HepB	97.7	41	94.0	-----	Met
2	MMR	95.9	45	92.3	94.0	Met
2	Varicella	95.1	48	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	88.8	62	82.8	87.6 (±0.9)	(80%) Met
1	MCV	88.8	57	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.9	47	97.4	-----	(95%) Met
2	MMR	98.2	73	97.8	-----	(95%) Met
2	Varicella	98.9	53	98.0	81.0 (±1.2)	(90%) Met

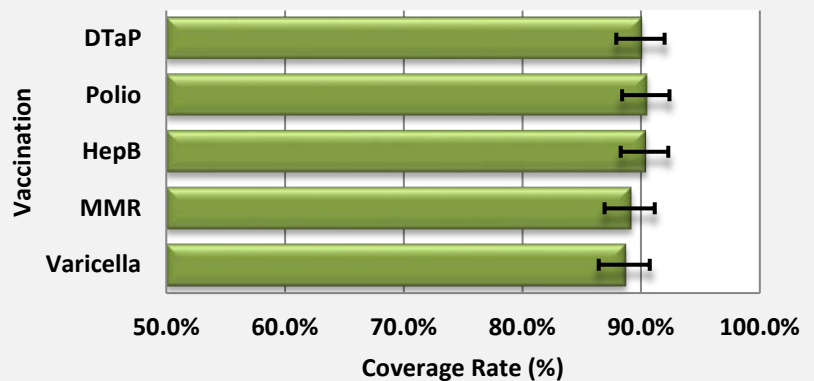
Bullitt County

877 Children in Kindergarten

1,004 Children in Sixth Grade



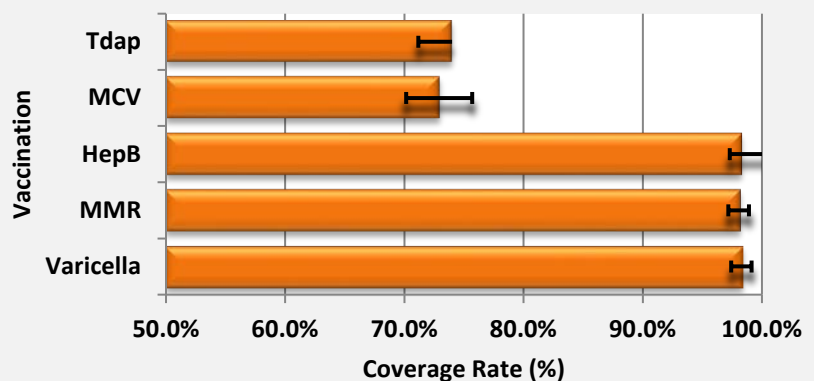
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	91.8%	98.3%
Medical Exemption	0.1%	0.3%
Religious Exemption	0.6%	0.4%
No Certificate on File	7.5%	1.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Bullitt County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	90.1	97	94.0	94.2	Not Met
3+	Polio	90.5	95	94.5	-----	Not Met
3+	HepB	90.4	97	94.0	-----	Not Met
2	MMR	89.2	94	92.3	94.0	Not Met
2	Varicella	88.7	90	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	74.0	95	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	73.0	91	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	98.3	71	97.4	-----	(95%) Met
2	MMR	98.2	72	97.8	-----	(95%) Met
2	Varicella	98.4	71	98.0	81.0 (±1.2)	(90%) Met

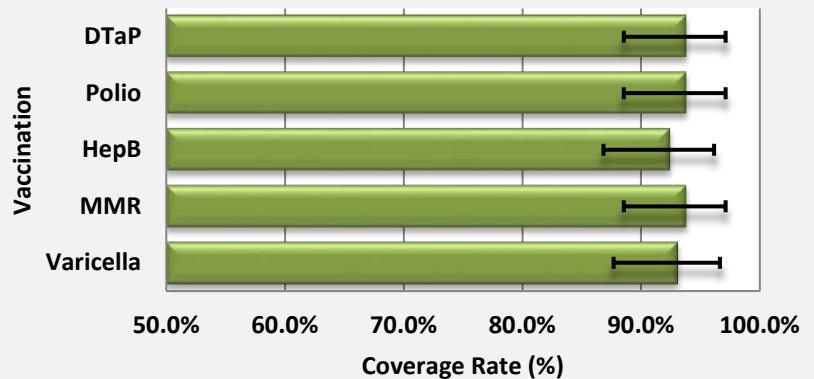
Butler County

145 Children in Kindergarten

171 Children in Sixth Grade



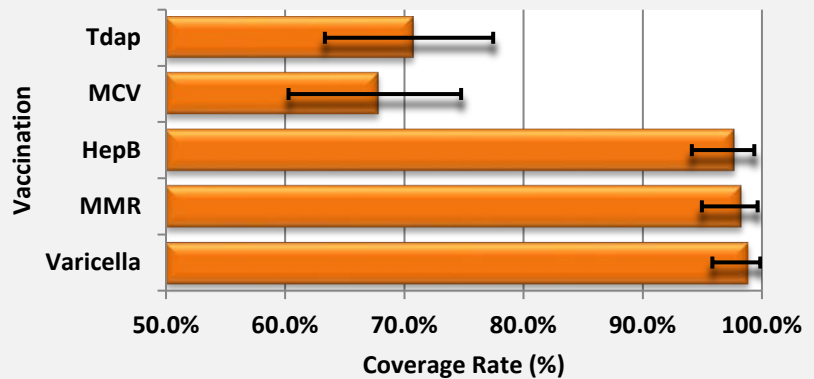
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	93.8%	98.2%
Medical Exemption	0.0%	0.6%
Religious Exemption	0.0%	0.6%
No Certificate on File	6.2%	0.6%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Butler County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	93.8	82	94.0	94.2	Not Met
3+	Polio	93.8	81	94.5	-----	Not Met
3+	HepB	92.4	88	94.0	-----	Not Met
2	MMR	93.8	66	92.3	94.0	Not Met
2	Varicella	93.1	66	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	70.8	99	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	67.8	98	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	97.7	83	97.4	-----	(95%) Met
2	MMR	98.2	70	97.8	-----	(95%) Met
2	Varicella	98.8	55	98.0	81.0 (±1.2)	(90%) Met

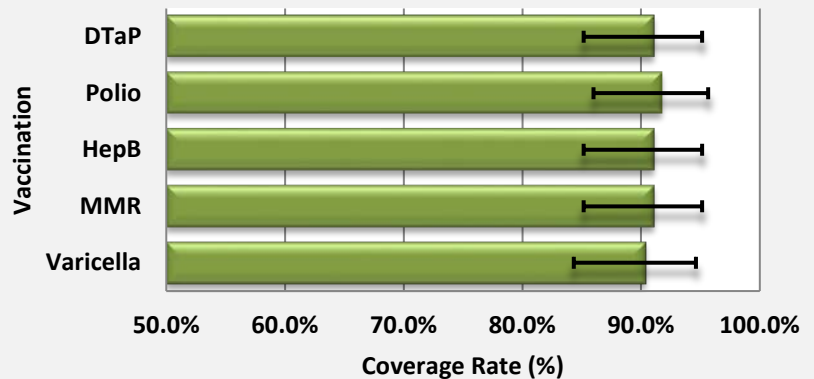
Caldwell County

145 Children in Kindergarten

136 Children in Sixth Grade



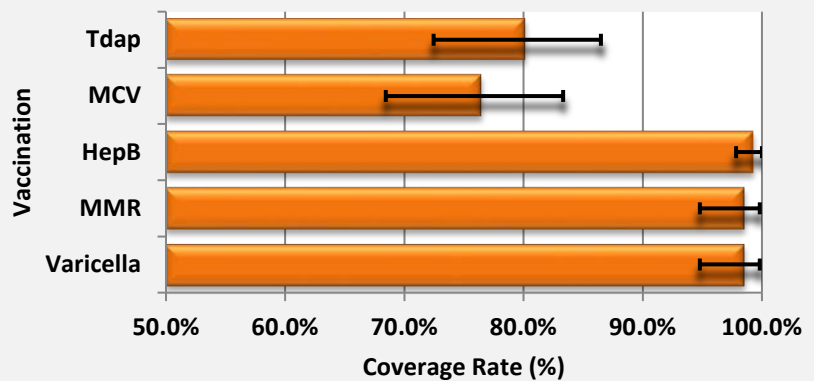
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	91.7%	99.3%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	8.3%	0.7%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Caldwell County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	91.0	94	94.0	94.2	Not Met
3+	Polio	91.7	92	94.5	-----	Not Met
3+	HepB	91.0	92	94.0	-----	Not Met
2	MMR	91.0	88	92.3	94.0	Not Met
2	Varicella	90.3	86	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	80.1	83	82.8	87.6 (±0.9)	(80%) Met
1	MCV	76.5	85	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	99.3	35	97.4	-----	(95%) Met
2	MMR	98.5	54	97.8	-----	(95%) Met
2	Varicella	98.5	66	98.0	81.0 (±1.2)	(90%) Met

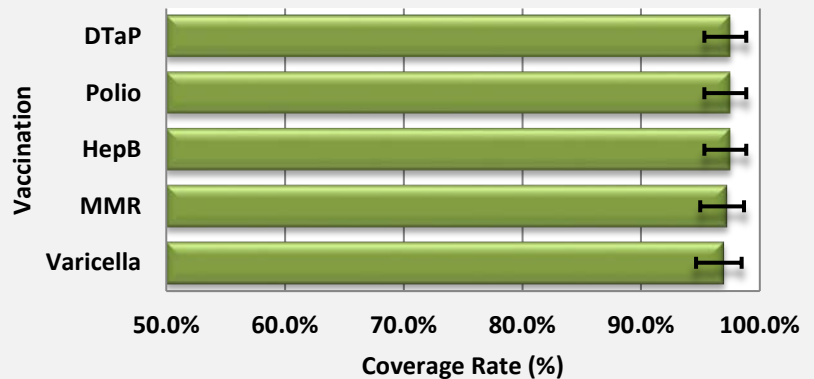
Calloway County

362 Children in Kindergarten

312 Children in Sixth Grade



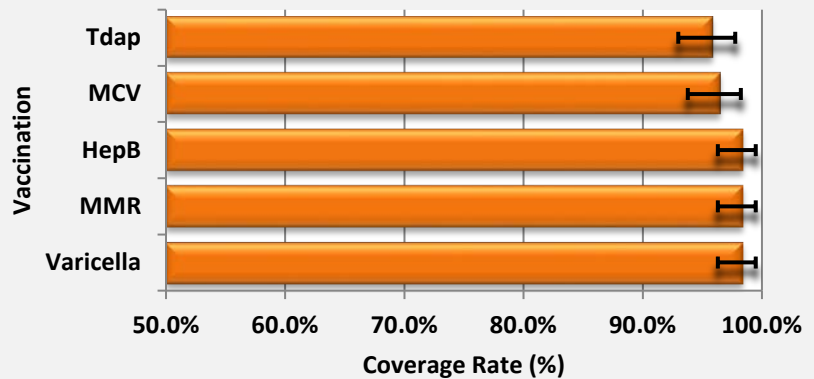
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.5%	97.4%
Medical Exemption	0.0%	0.7%
Religious Exemption	1.4%	1.9%
No Certificate on File	1.1%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Calloway County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	97.5	38	94.0	94.2	Met
3+	Polio	97.5	44	94.5	-----	Met
3+	HepB	97.5	43	94.0	-----	Met
2	MMR	97.2	28	92.3	94.0	Met
2	Varicella	97.0	30	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	95.8	26	82.8	87.6 (±0.9)	(80%) Met
1	MCV	96.5	22	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.4	68	97.4	-----	(95%) Met
2	MMR	98.4	65	97.8	-----	(95%) Met
2	Varicella	98.4	72	98.0	81.0 (±1.2)	(90%) Met

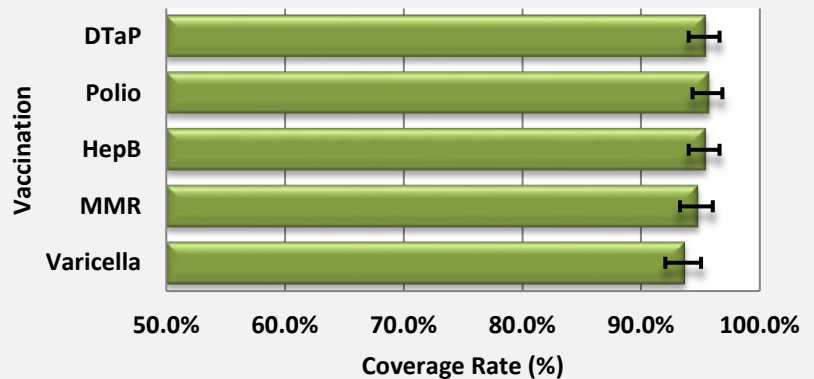
Campbell County

1,074 Children in Kindergarten

1,010 Children in Sixth Grade



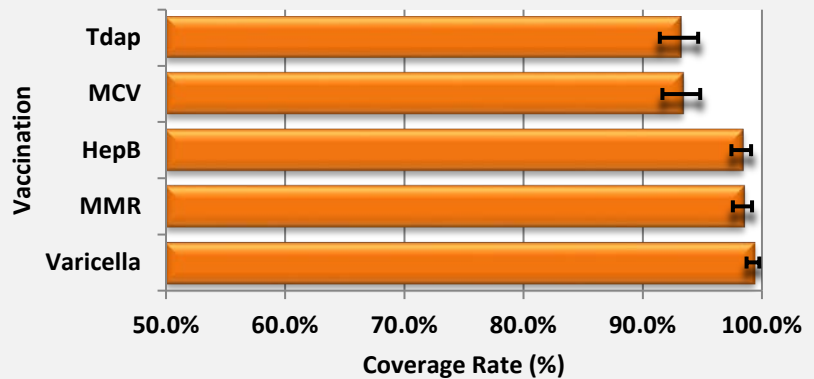
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	96.1%	98.2%
Medical Exemption	0.4%	0.5%
Religious Exemption	0.6%	1.1%
No Certificate on File	2.9%	0.2%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Campbell County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	95.4	64	94.0	94.2	Met
3+	Polio	95.7	64	94.5	-----	Met
3+	HepB	95.4	63	94.0	-----	Met
2	MMR	94.8	52	92.3	94.0	Not Met
2	Varicella	93.7	62	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	93.2	43	82.8	87.6 (±0.9)	(80%) Met
1	MCV	93.4	38	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.4	67	97.4	-----	(95%) Met
2	MMR	98.5	56	97.8	-----	(95%) Met
2	Varicella	99.4	41	98.0	81.0 (±1.2)	(90%) Met

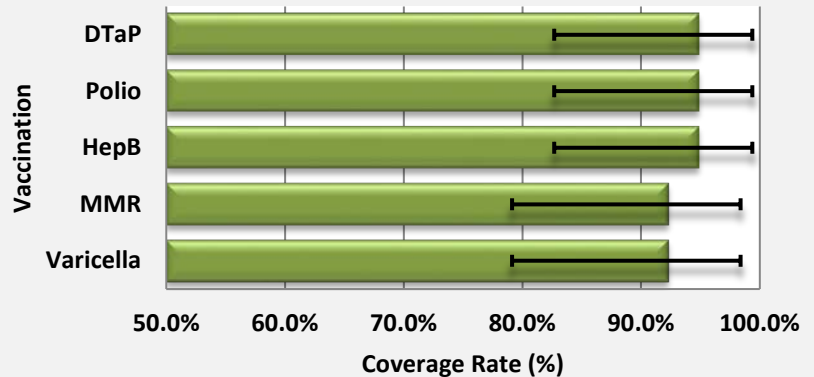
Carlisle County

39 Children in Kindergarten

55 Children in Sixth Grade



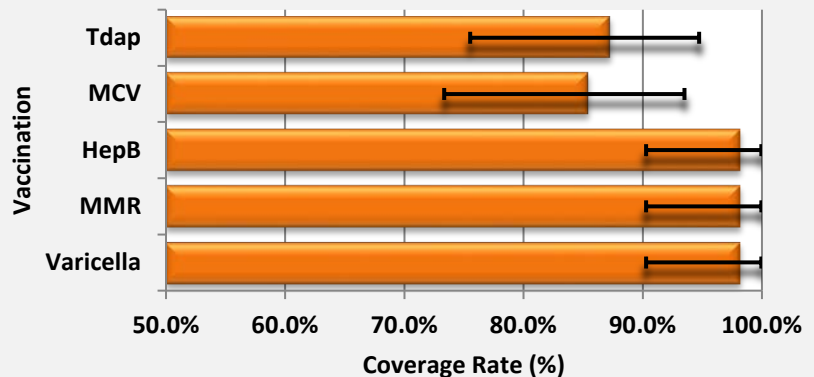
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	94.9%	98.2%
Medical Exemption	0.0%	0.5%
Religious Exemption	5.1%	1.8%
No Certificate on File	0.0%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Carlisle County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	94.9	68	94.0	94.2	Not Met
3+	Polio	94.9	73	94.5	-----	Not Met
3+	HepB	94.9	67	94.0	-----	Not Met
2	MMR	92.3	80	92.3	94.0	Not Met
2	Varicella	92.3	73	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	87.3	68	82.8	87.6 (±0.9)	(80%) Met
1	MCV	85.5	70	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.2	74	97.4	-----	(95%) Met
2	MMR	98.2	74	97.8	-----	(95%) Met
2	Varicella	98.2	77	98.0	81.0 (±1.2)	(90%) Met

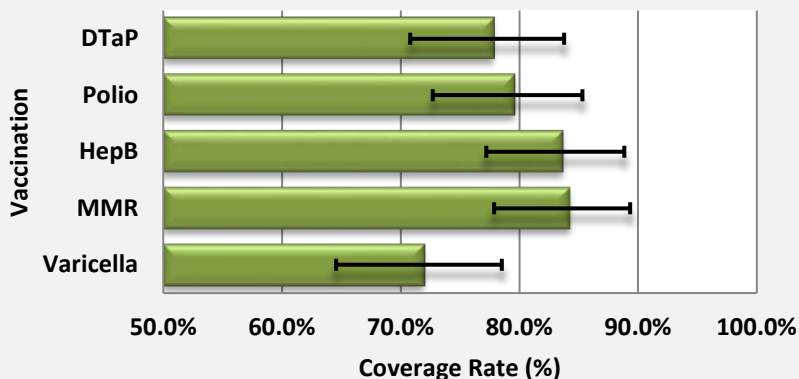
Carroll County

171 Children in Kindergarten

136 Children in Sixth Grade



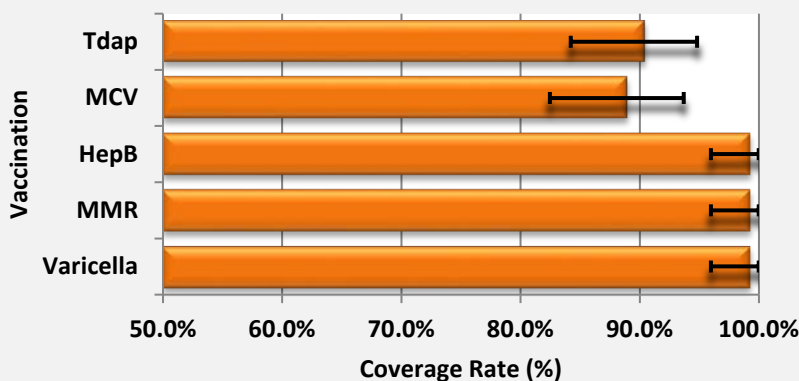
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	86.0%	88.2%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	14.0%	11.8%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Carroll County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	77.8	119	94.0	94.2	Not Met
3+	Polio	79.5	120	94.5	-----	Not Met
3+	HepB	83.6	115	94.0	-----	Not Met
2	MMR	84.2	109	92.3	94.0	Not Met
2	Varicella	71.9	120	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	90.4	51	82.8	87.6 (±0.9)	(80%) Met
1	MCV	89.0	56	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.3	35	97.4	-----	(95%) Met
2	MMR	99.3	33	97.8	-----	(95%) Met
2	Varicella	99.3	45	98.0	81.0 (±1.2)	(90%) Met

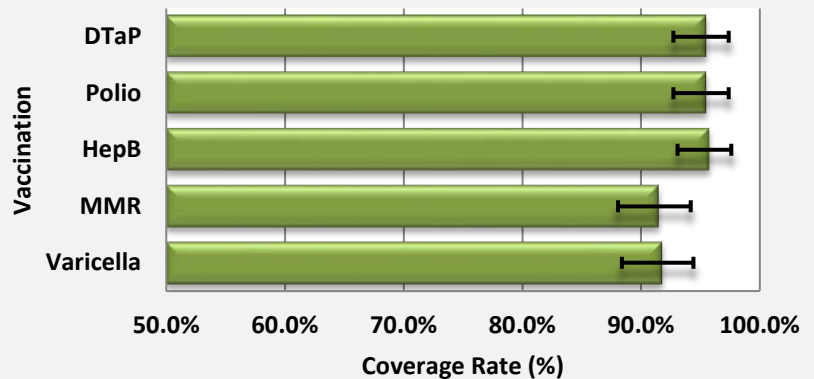
Carter County

352 Children in Kindergarten

340 Children in Sixth Grade



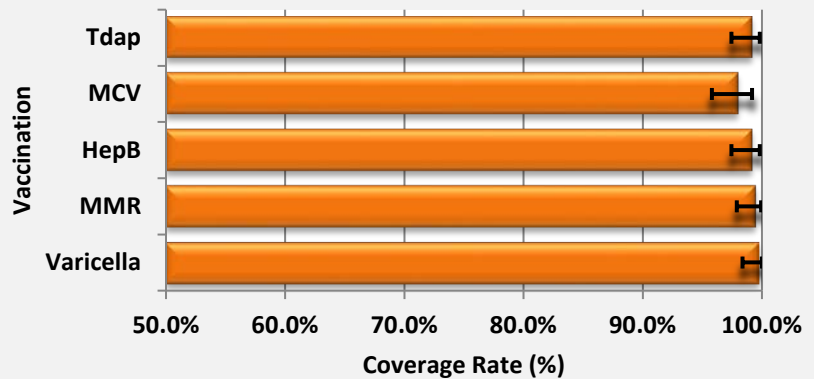
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	96.0%	98.8%
Medical Exemption	0.6%	0.6%
Religious Exemption	0.6%	0.6%
No Certificate on File	2.8%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Carter County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	95.5	62	94.0	94.2	Met
3+	Polio	95.5	66	94.5	-----	Met
3+	HepB	95.7	61	94.0	-----	Met
2	MMR	91.5	85	92.3	94.0	Not Met
2	Varicella	91.8	78	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	99.1	9	82.8	87.6 (±0.9)	(80%) Met
1	MCV	97.9	15	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.1	42	97.4	-----	(95%) Met
2	MMR	99.4	25	97.8	-----	(95%) Met
2	Varicella	99.7	32	98.0	81.0 (±1.2)	(90%) Met

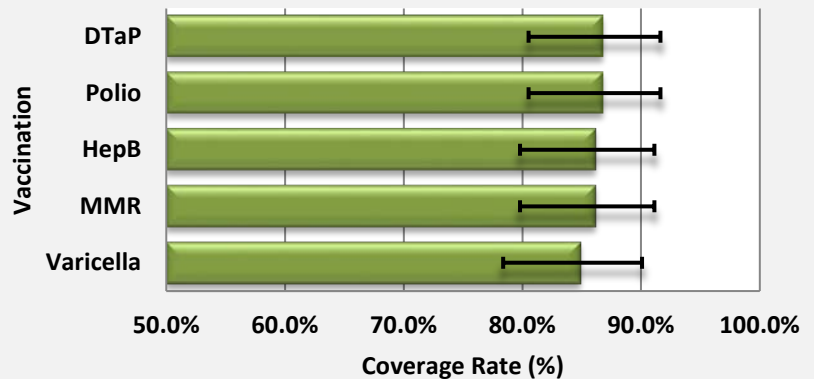
Casey County

159 Children in Kindergarten

165 Children in Sixth Grade



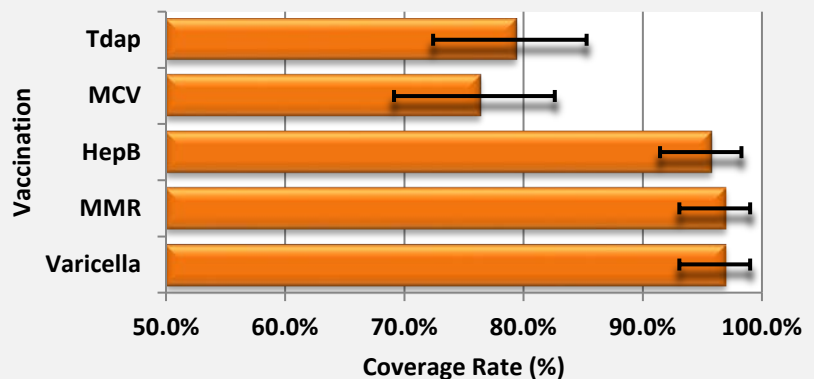
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	89.9%	97.0%
Medical Exemption	0.0%	0.0%
Religious Exemption	1.3%	0.6%
No Certificate on File	8.8%	2.4%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Casey County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	86.8	111	94.0	94.2	Not Met
3+	Polio	86.8	112	94.5	-----	Not Met
3+	HepB	86.2	111	94.0	-----	Not Met
2	MMR	86.2	103	92.3	94.0	Not Met
2	Varicella	84.9	107	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	79.4	85	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	76.4	86	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	95.8	107	97.4	-----	(95%) Met
2	MMR	97.0	95	97.8	-----	(95%) Met
2	Varicella	97.0	94	98.0	81.0 (±1.2)	(90%) Met

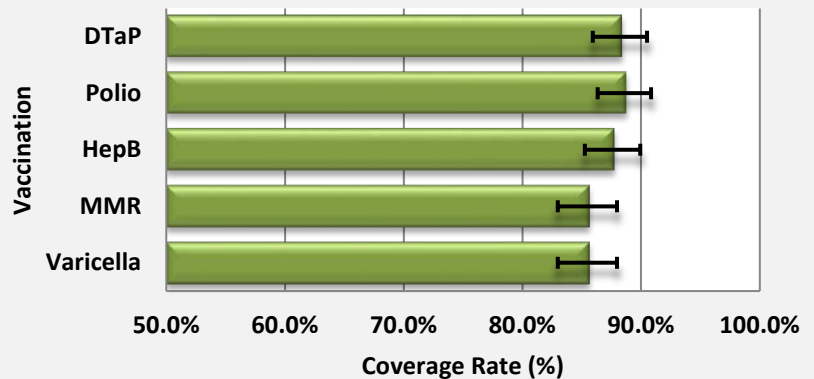
Christian County

799 Children in Kindergarten

735 Children in Sixth Grade



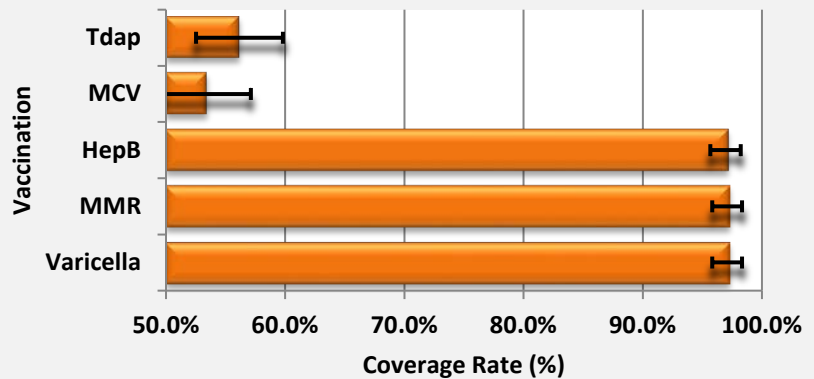
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	91.8%	97.6%
Medical Exemption	0.1%	0.0%
Religious Exemption	0.1%	0.4%
No Certificate on File	8.0%	2.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Christian County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	88.4	105	94.0	94.2	Not Met
3+	Polio	88.7	107	94.5	-----	Not Met
3+	HepB	87.7	105	94.0	-----	Not Met
2	MMR	85.6	105	92.3	94.0	Not Met
2	Varicella	85.6	99	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	56.2	109	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	53.5	112	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	97.1	89	97.4	-----	(95%) Met
2	MMR	97.3	89	97.8	-----	(95%) Met
2	Varicella	97.3	90	98.0	81.0 (±1.2)	(90%) Met

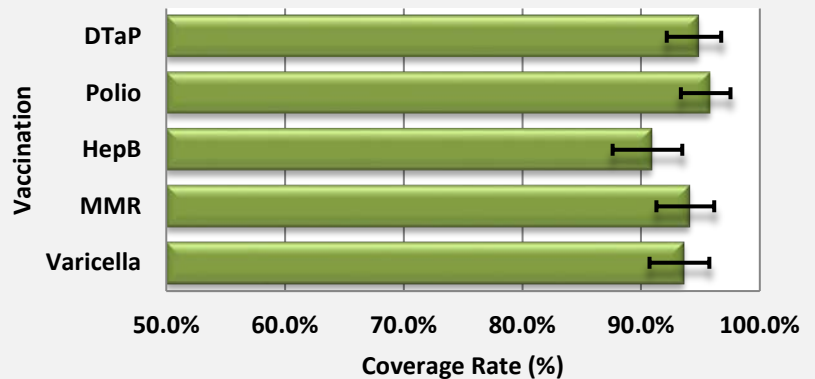
Clark County

404 Children in Kindergarten

458 Children in Sixth Grade



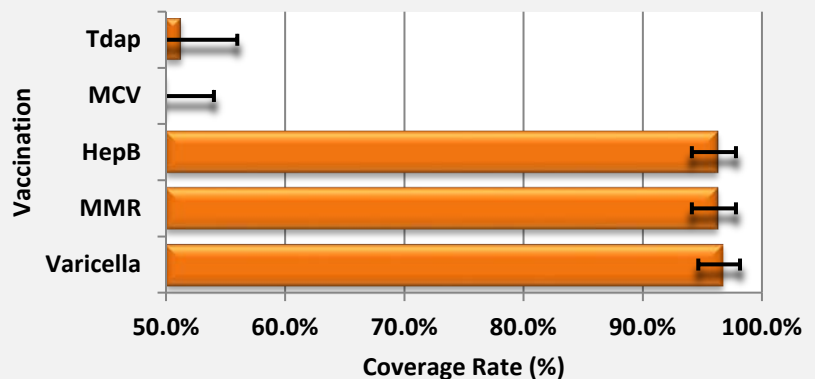
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.3%	96.7%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.7%	0.5%
No Certificate on File	2.0%	2.8%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Clark County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	94.8	69	94.0	94.2	Not Met
3+	Polio	95.8	61	94.5	-----	Met
3+	HepB	90.8	94	94.0	-----	Not Met
2	MMR	94.1	65	92.3	94.0	Not Met
2	Varicella	93.6	63	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	51.3	114	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	49.3	116	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	95.6	109	97.4	-----	(95%) Met
2	MMR	96.3	103	97.8	-----	(95%) Met
2	Varicella	96.7	99	98.0	81.0 (±1.2)	(90%) Met

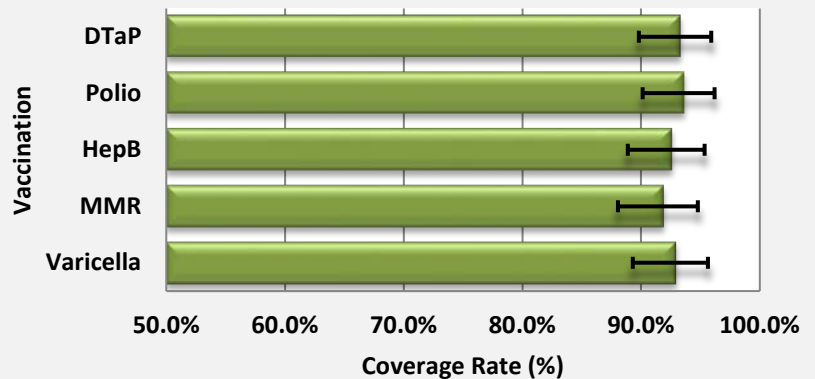
Clay County

283 Children in Kindergarten

275 Children in Sixth Grade



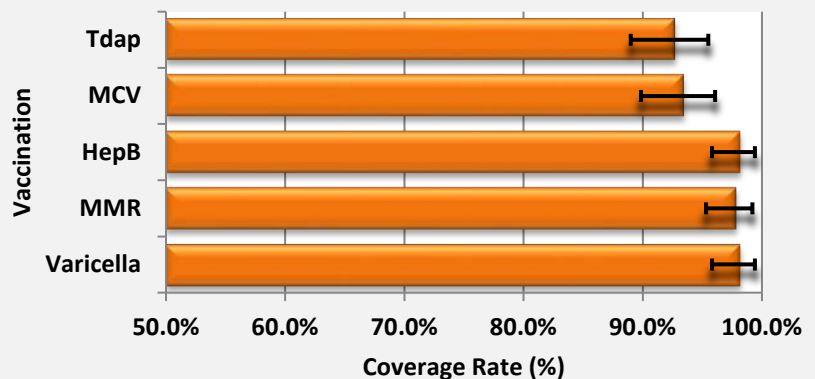
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	93.6%	97.8%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.4%
No Certificate on File	6.4%	1.8%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Clay County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	93.3	84	94.0	94.2	Not Met
3+	Polio	93.6	83	94.5	-----	Not Met
3+	HepB	92.6	86	94.0	-----	Not Met
2	MMR	91.9	82	92.3	94.0	Not Met
2	Varicella	92.9	67	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	92.7	46	82.8	87.6 (±0.9)	(80%) Met
1	MCV	93.5	36	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.2	74	97.4	-----	(95%) Met
2	MMR	97.8	78	97.8	-----	(95%) Met
2	Varicella	98.2	77	98.0	81.0 (±1.2)	(90%) Met

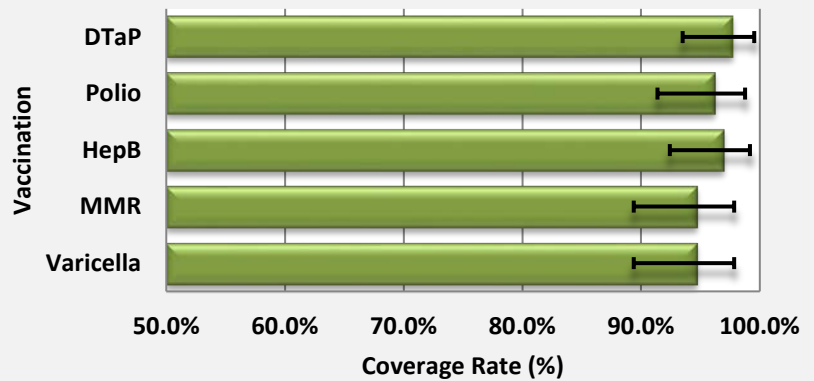
Clinton County

132 Children in Kindergarten

118 Children in Sixth Grade



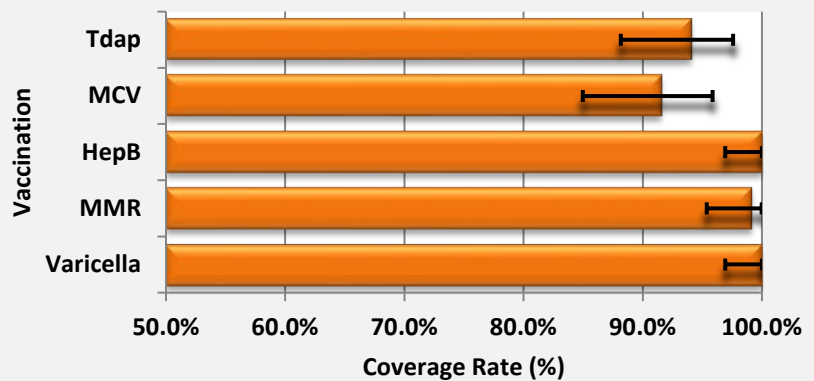
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.7%	97.5%
Medical Exemption	0.0%	0.8%
Religious Exemption	1.5%	1.7%
No Certificate on File	0.8%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Clinton County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	97.7	36	94.0	94.2	Met
3+	Polio	96.2	58	94.5	-----	Met
3+	HepB	97.0	48	94.0	-----	Met
2	MMR	94.7	53	92.3	94.0	Not Met
2	Varicella	94.7	50	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	94.1	36	82.8	87.6 (±0.9)	(80%) Met
1	MCV	91.5	45	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	99.2	37	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

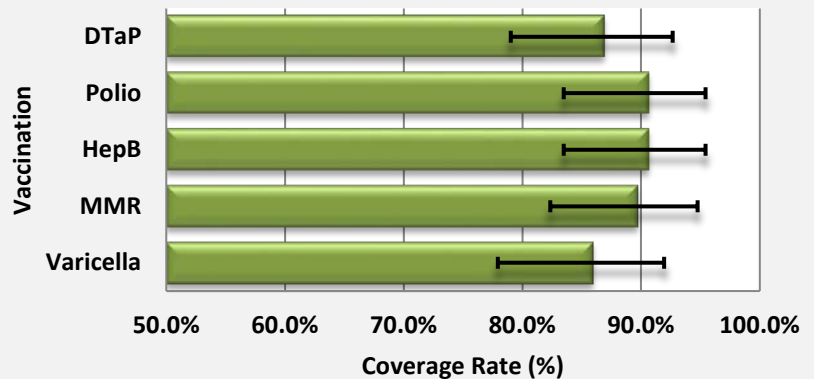
Crittenden County

107 Children in Kindergarten

104 Children in Sixth Grade



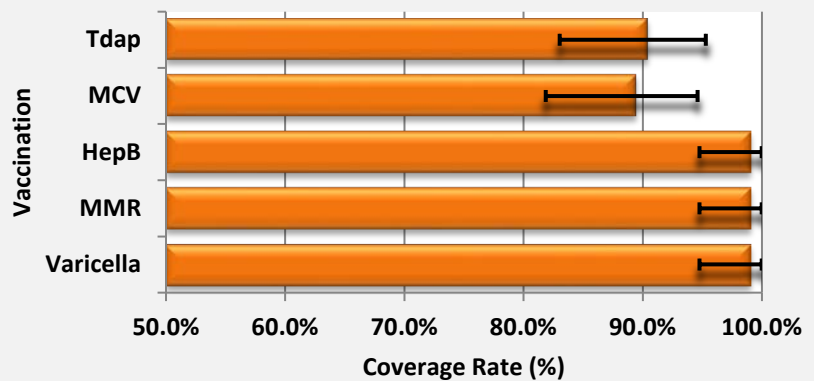
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	87.9%	99.0%
Medical Exemption	0.0%	0.0%
Religious Exemption	2.8%	0.0%
No Certificate on File	9.3%	1.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)

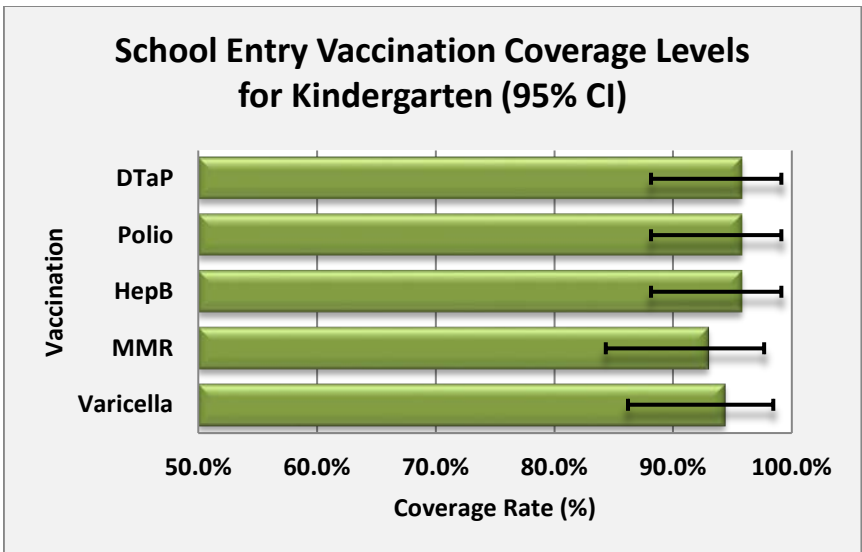


Age-Specific Group: Vaccines and Doses		Crittenden County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	86.9	110	94.0	94.2	Not Met
3+	Polio	90.7	94	94.5	-----	Not Met
3+	HepB	90.7	95	94.0	-----	Not Met
2	MMR	89.7	91	92.3	94.0	Not Met
2	Varicella	86.0	98	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	90.4	52	82.8	87.6 (±0.9)	(80%) Met
1	MCV	89.4	53	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.0	45	97.4	-----	(95%) Met
2	MMR	99.0	40	97.8	-----	(95%) Met
2	Varicella	99.0	48	98.0	81.0 (±1.2)	(90%) Met

Cumberland County

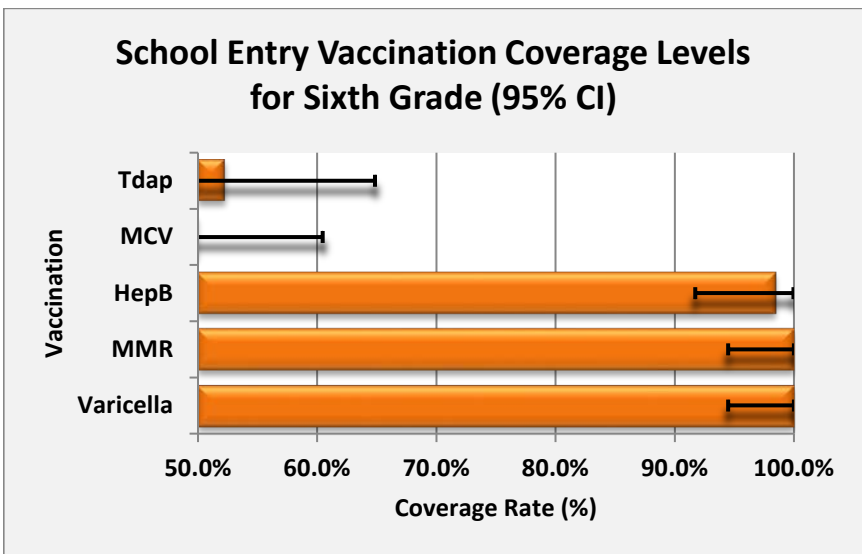
71 Children in Kindergarten

65 Children in Sixth Grade



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	95.8%	98.5%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	1.5%
No Certificate on File	4.2%	0.0%



Age-Specific Group: Vaccines and Doses		Cumberland County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	95.8	58	94.0	94.2	Met
3+	Polio	95.8	63	94.5	-----	Met
3+	HepB	95.8	59	94.0	-----	Met
2	MMR	93.0	72	92.3	94.0	Not Met
2	Varicella	94.4	57	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	52.3	113	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	47.7	117	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	98.5	64	97.4	-----	(95%) Met
2	MMR	100.0	1	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

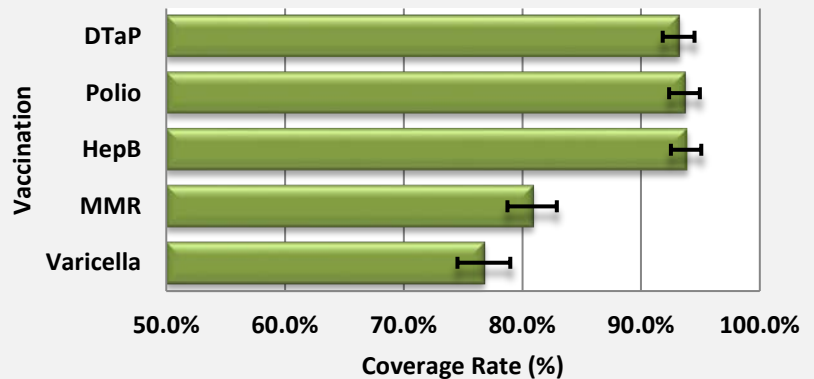
Daviess County

1,423 Children in Kindergarten

1,357 Children in Sixth Grade



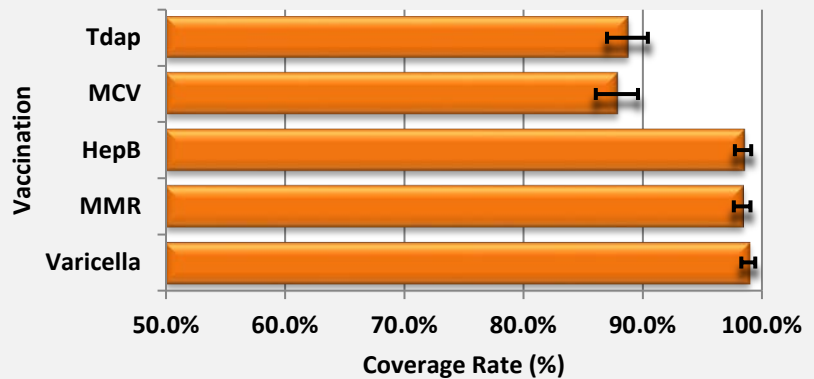
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	95.2%	98.1%
Medical Exemption	0.1%	0.1%
Religious Exemption	0.4%	0.7%
No Certificate on File	4.3%	1.1%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Daviess County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	93.3	86	94.0	94.2	Not Met
3+	Polio	93.7	82	94.5	-----	Not Met
3+	HepB	93.9	76	94.0	-----	Not Met
2	MMR	80.9	114	92.3	94.0	Not Met
2	Varicella	76.8	117	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	88.8	63	82.8	87.6 (±0.9)	(80%) Met
1	MCV	87.9	61	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.5	62	97.4	-----	(95%) Met
2	MMR	98.5	61	97.8	-----	(95%) Met
2	Varicella	99.0	51	98.0	81.0 (±1.2)	(90%) Met

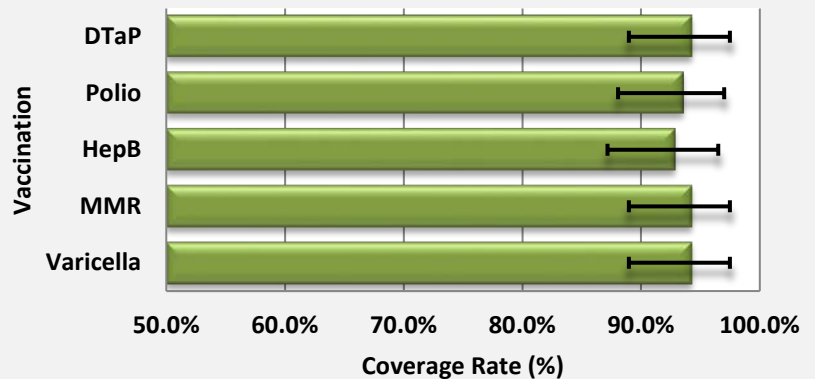
Edmonson County

139 Children in Kindergarten

152 Children in Sixth Grade



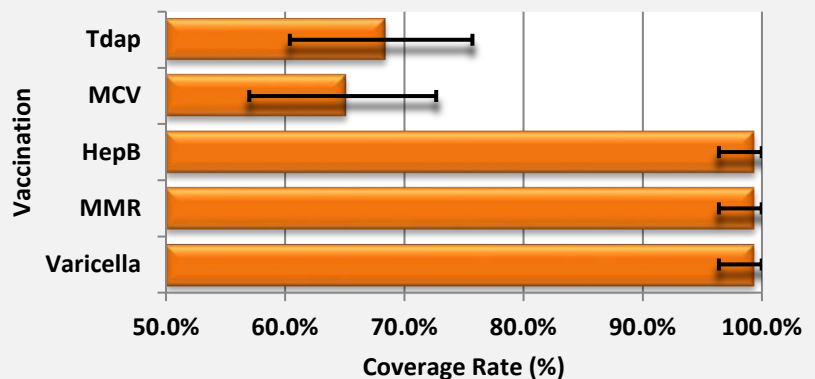
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	95.0%	99.3%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	5.0%	0.7%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Edmonson County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	94.2	78	94.0	94.2	Not Met
3+	Polio	93.5	85	94.5	-----	Not Met
3+	HepB	92.8	82	94.0	-----	Not Met
2	MMR	94.2	62	92.3	94.0	Not Met
2	Varicella	94.2	58	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	68.4	101	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	65.1	102	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	99.3	33	97.4	-----	(95%) Met
2	MMR	99.3	29	97.8	-----	(95%) Met
2	Varicella	99.3	44	98.0	81.0 (±1.2)	(90%) Met

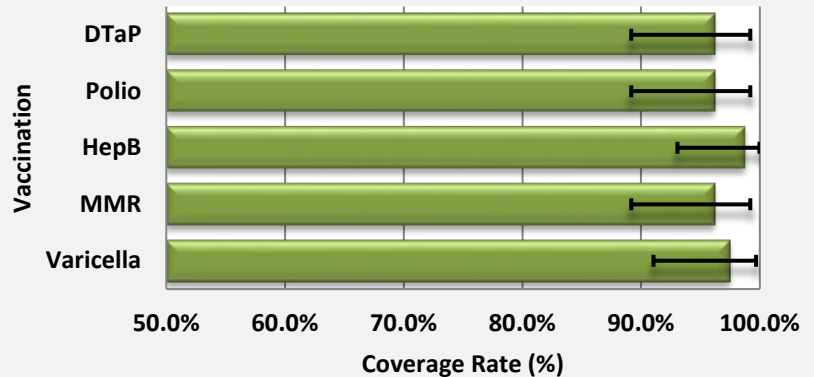
Elliott County

78 Children in Kindergarten

63 Children in Sixth Grade



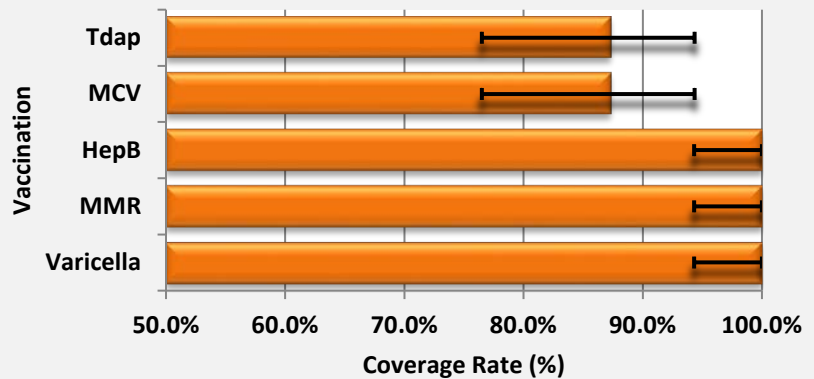
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	98.7%	100.0%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	1.3%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Elliott County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	96.2	52	94.0	94.2	Met
3+	Polio	96.2	59	94.5	-----	Met
3+	HepB	98.7	19	94.0	-----	Met
2	MMR	96.2	42	92.3	94.0	Met
2	Varicella	97.4	22	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	87.3	67	82.8	87.6 (±0.9)	(80%) Met
1	MCV	87.3	63	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	100.0	1	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

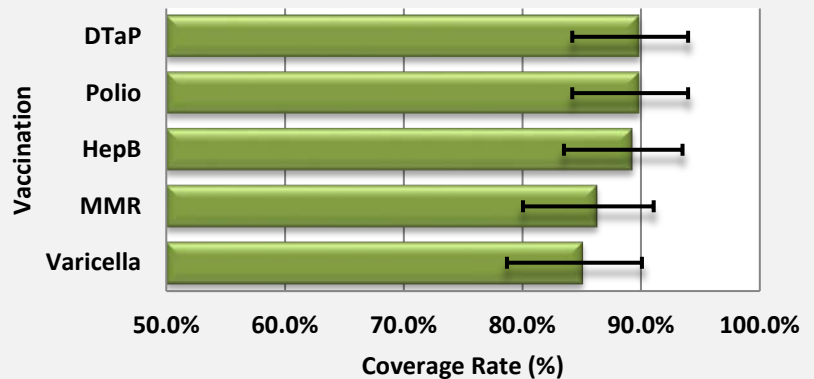
Estill County

167 Children in Kindergarten

185 Children in Sixth Grade



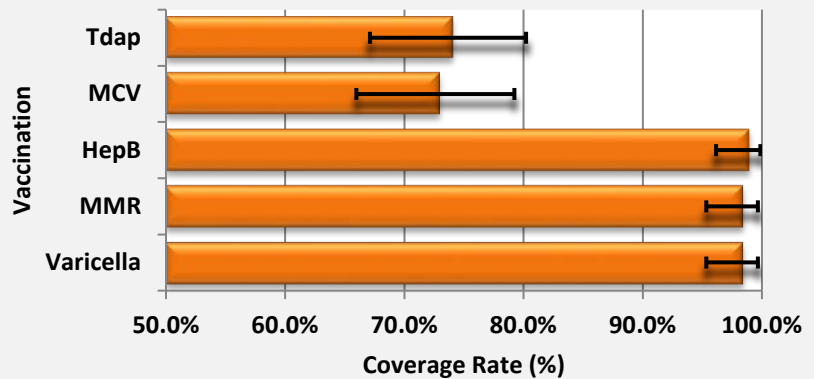
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	89.2%	98.9%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.6%	0.0%
No Certificate on File	10.2%	1.1%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)

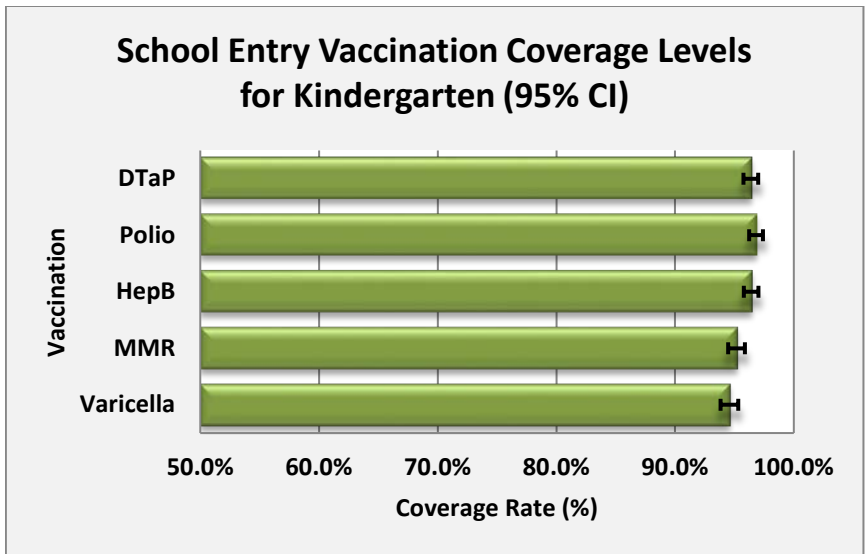


Age-Specific Group: Vaccines and Doses		Estill County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	89.8	98	94.0	94.2	Not Met
3+	Polio	89.8	99	94.5	-----	Not Met
3+	HepB	89.2	103	94.0	-----	Not Met
2	MMR	86.2	101	92.3	94.0	Not Met
2	Varicella	85.0	106	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	74.1	94	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	73.0	92	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	98.9	48	97.4	-----	(95%) Met
2	MMR	98.4	66	97.8	-----	(95%) Met
2	Varicella	98.4	73	98.0	81.0 (±1.2)	(90%) Met

Fayette County

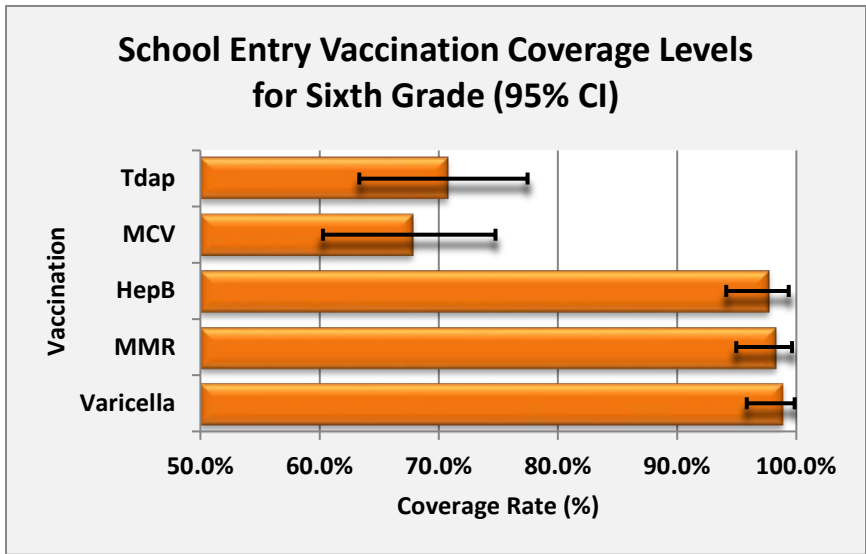
3,658 Children in Kindergarten

3,493 Children in Sixth Grade



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.4%	98.9%
Medical Exemption	0.3%	0.4%
Religious Exemption	1.3%	0.6%
No Certificate on File	1.0%	0.1%

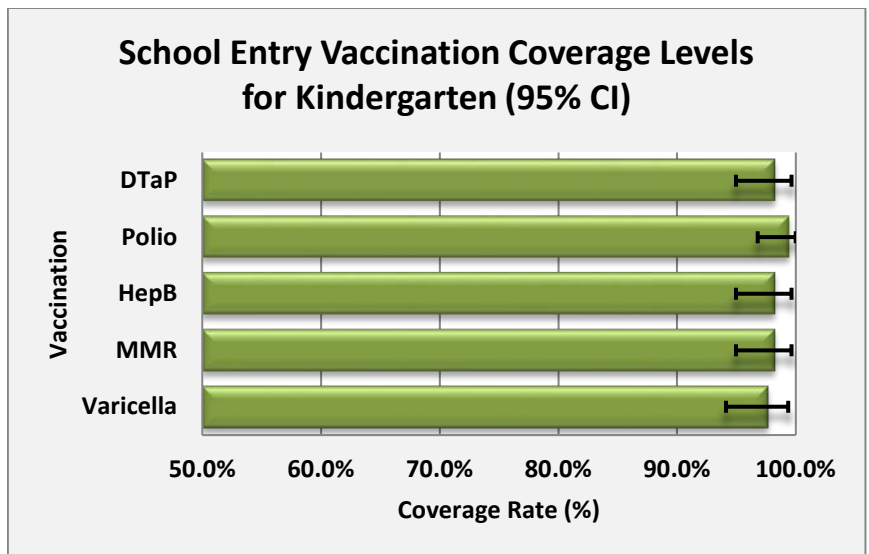


Age-Specific Group: Vaccines and Doses		Fayette County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	96.4	48	94.0	94.2	Met
3+	Polio	96.9	50	94.5	-----	Met
3+	HepB	96.4	53	94.0	-----	Met
2	MMR	95.2	48	92.3	94.0	Met
2	Varicella	94.6	52	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	78.8	86	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	77.8	81	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	98.6	61	97.4	-----	(95%) Met
2	MMR	98.4	64	97.8	-----	(95%) Met
2	Varicella	98.8	56	98.0	81.0 (±1.2)	(90%) Met

Fleming County

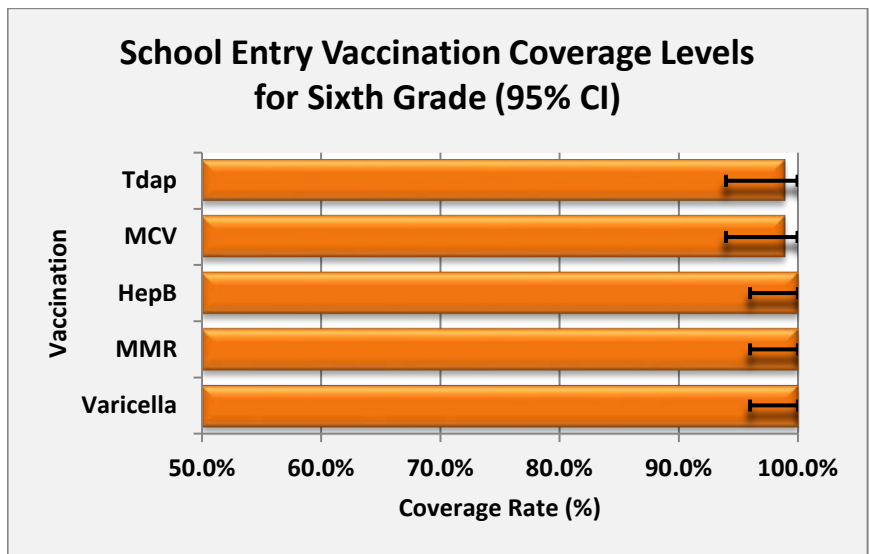
171 Children in Kindergarten

90 Children in Sixth Grade



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	98.2%	100.0%
Medical Exemption	1.8%	0.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	0.0%	0.0%



Age-Specific Group: Vaccines and Doses		Fleming County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.2	22	94.0	94.2	Met
3+	Polio	99.4	12	94.5	-----	Met
3+	HepB	98.2	28	94.0	-----	Met
2	MMR	98.2	18	92.3	94.0	Met
2	Varicella	97.7	18	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	98.9	10	82.8	87.6 (±0.9)	(80%) Met
1	MCV	98.9	7	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	100.0	1	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

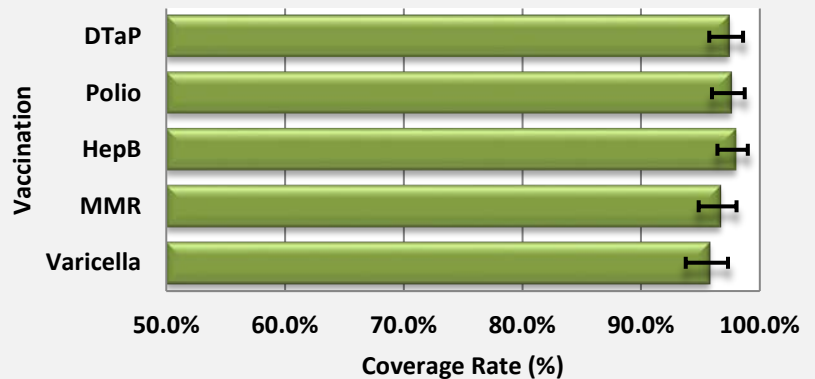
Floyd County

547 Children in Kindergarten

464 Children in Sixth Grade



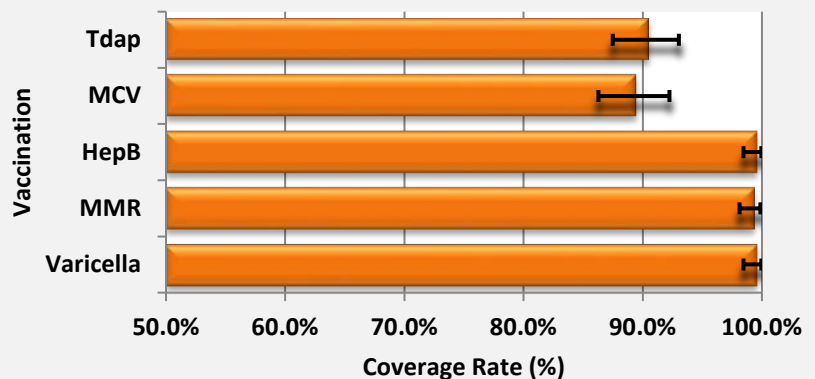
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	98.3%	99.4%
Medical Exemption	0.2%	0.0%
Religious Exemption	0.2%	0.2%
No Certificate on File	1.3%	0.4%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Floyd County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	97.4	41	94.0	94.2	Met
3+	Polio	97.6	43	94.5	-----	Met
3+	HepB	98.0	32	94.0	-----	Met
2	MMR	96.7	33	92.3	94.0	Met
2	Varicella	95.8	39	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	90.5	50	82.8	87.6 (±0.9)	(80%) Met
1	MCV	89.4	52	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.6	23	97.4	-----	(95%) Met
2	MMR	99.4	28	97.8	-----	(95%) Met
2	Varicella	99.6	34	98.0	81.0 (±1.2)	(90%) Met

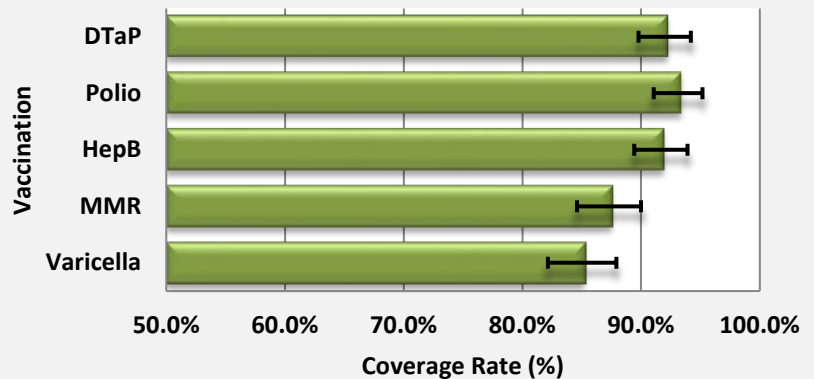
Franklin County

615 Children in Kindergarten

621 Children in Sixth Grade



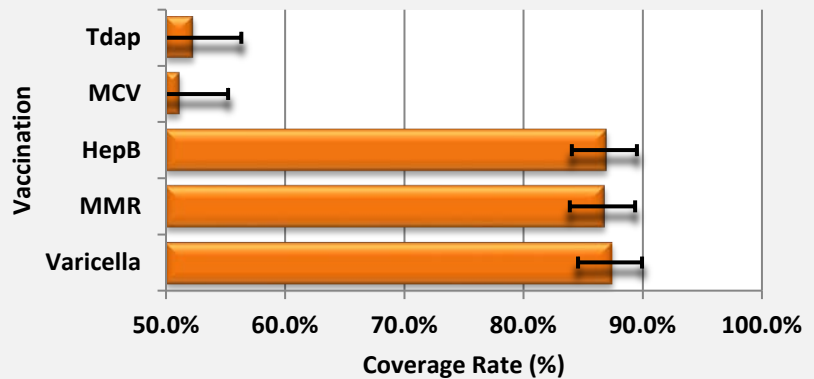
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	93.1%	87.0%
Medical Exemption	0.2%	0.0%
Religious Exemption	0.2%	0.8%
No Certificate on File	6.5%	12.2%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Franklin County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	92.2	91	94.0	94.2	Not Met
3+	Polio	93.3	86	94.5	-----	Not Met
3+	HepB	91.9	90	94.0	-----	Not Met
2	MMR	87.5	97	92.3	94.0	Not Met
2	Varicella	85.2	105	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	52.3	112	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	51.2	114	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	87.0	119	97.4	-----	(95%) Not Met
2	MMR	86.8	120	97.8	-----	(95%) Not Met
2	Varicella	87.4	119	98.0	81.0 (±1.2)	(90%) Not Met

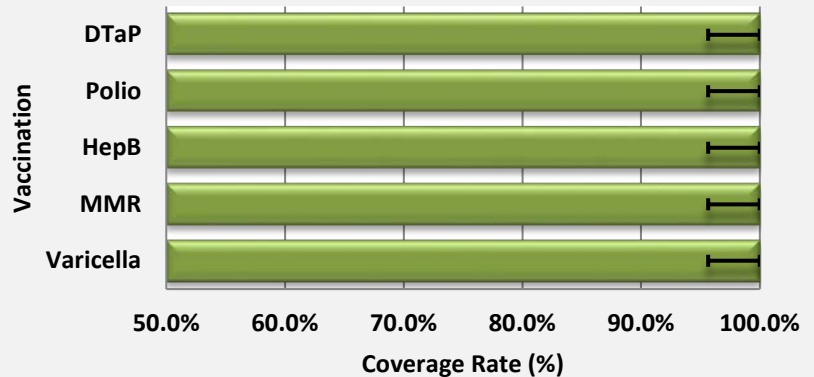
Fulton County

83 Children in Kindergarten

67 Children in Sixth Grade



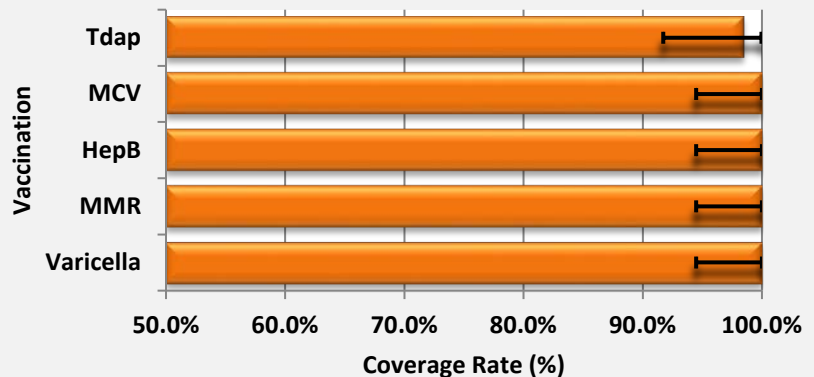
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	100.0%	97.0%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	0.0%	3.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Fulton County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	100.0	1	94.0	94.2	Met
3+	Polio	100.0	1	94.5	-----	Met
3+	HepB	100.0	1	94.0	-----	Met
2	MMR	100.0	1	92.3	94.0	Met
2	Varicella	100.0	1	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	95.5	29	82.8	87.6 (±0.9)	(80%) Met
1	MCV	97.0	19	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	97.0	90	97.4	-----	(95%) Met
2	MMR	97.0	92	97.8	-----	(95%) Met
2	Varicella	97.0	93	98.0	81.0 (±1.2)	(90%) Met

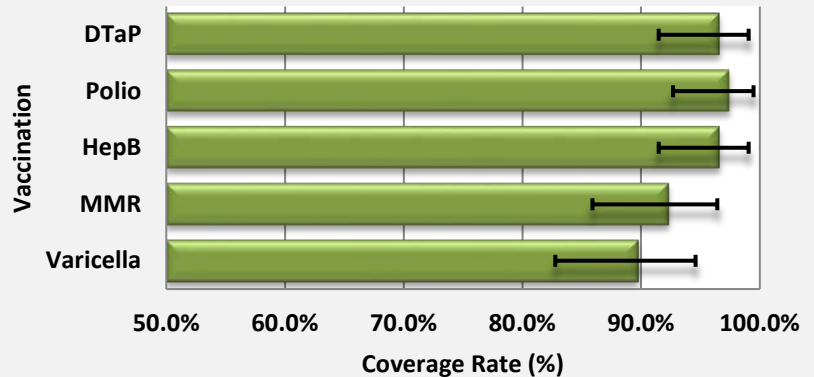
Gallatin County

117 Children in Kindergarten

129 Children in Sixth Grade



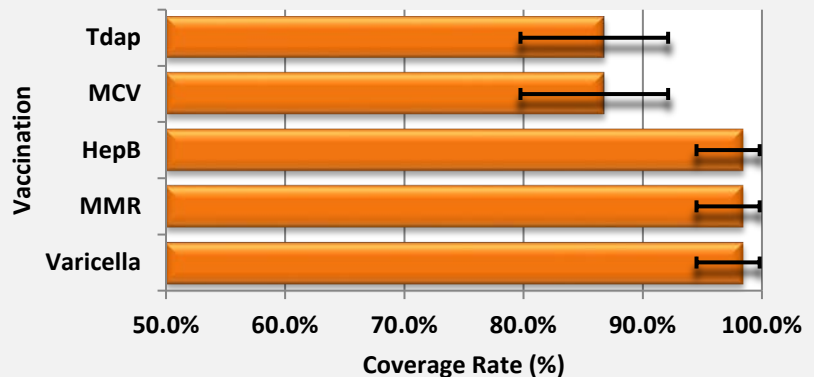
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	96.6%	98.4%
Medical Exemption	0.9%	0.8%
Religious Exemption	0.0%	0.0%
No Certificate on File	2.5%	0.8%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Gallatin County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	96.6	47	94.0	94.2	Met
3+	Polio	97.4	45	94.5	-----	Met
3+	HepB	96.6	50	94.0	-----	Met
2	MMR	92.3	80	92.3	94.0	Not Met
2	Varicella	89.7	87	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	86.8	68	82.8	87.6 (±0.9)	(80%) Met
1	MCV	86.8	64	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.4	66	97.4	-----	(95%) Met
2	MMR	98.4	62	97.8	-----	(95%) Met
2	Varicella	98.4	70	98.0	81.0 (±1.2)	(90%) Met

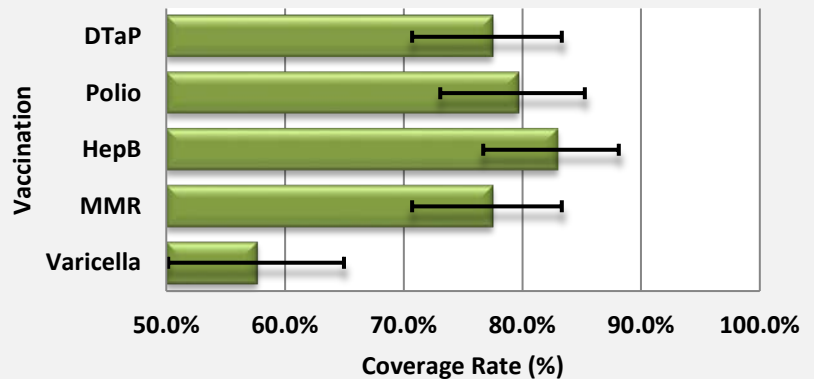
Garrard County

182 Children in Kindergarten

180 Children in Sixth Grade



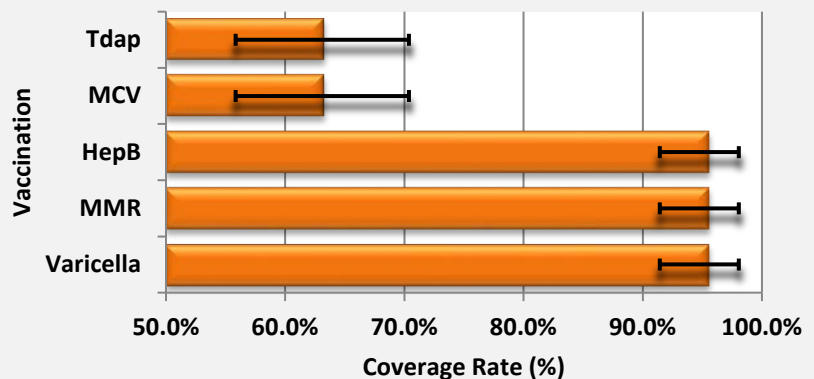
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	93.4%	99.4%
Medical Exemption	0.0%	0.6%
Religious Exemption	0.0%	0.0%
No Certificate on File	6.6%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Garrard County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	77.5	120	94.0	94.2	Not Met
3+	Polio	79.7	119	94.5	-----	Not Met
3+	HepB	83.0	116	94.0	-----	Not Met
2	MMR	77.5	118	92.3	94.0	Not Met
2	Varicella	76.9	116	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	96.7	23	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	63.3	105	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	95.6	110	97.4	-----	(95%) Met
2	MMR	95.6	108	97.8	-----	(95%) Met
2	Varicella	95.6	107	98.0	81.0 (±1.2)	(90%) Met

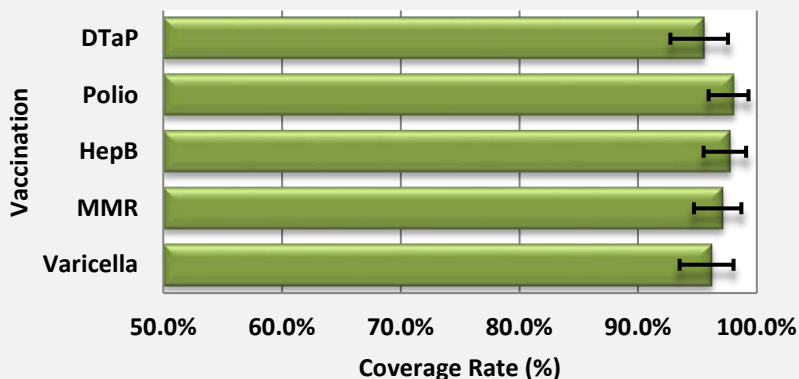
Grant County

318 Children in Kindergarten

348 Children in Sixth Grade



School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	98.7%	99.1%
Medical Exemption	1.0%	0.9%
Religious Exemption	0.3%	0.0%
No Certificate on File	0.0%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Grant County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	95.6	61	94.0	94.2	Met
3+	Polio	98.1	36	94.5	-----	Met
3+	HepB	97.8	39	94.0	-----	Met
2	MMR	97.2	29	92.3	94.0	Met
2	Varicella	96.2	36	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	88.8	64	82.8	87.6 (±0.9)	(80%) Met
1	MCV	89.1	55	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.1	40	97.4	-----	(95%) Met
2	MMR	98.9	42	97.8	-----	(95%) Met
2	Varicella	99.4	39	98.0	81.0 (±1.2)	(90%) Met

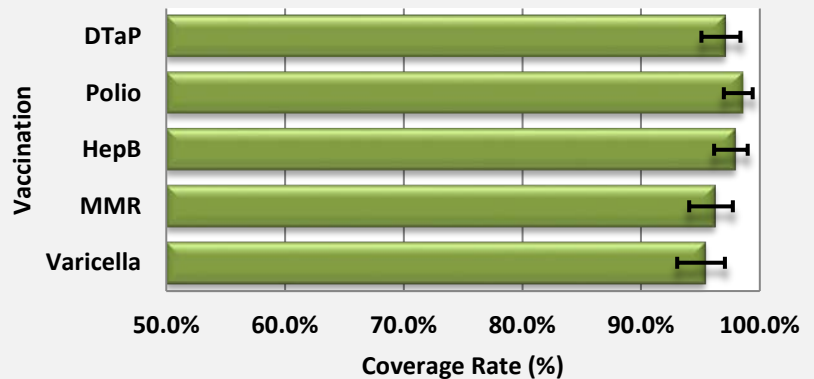
Graves County

473 Children in Kindergarten

424 Children in Sixth Grade



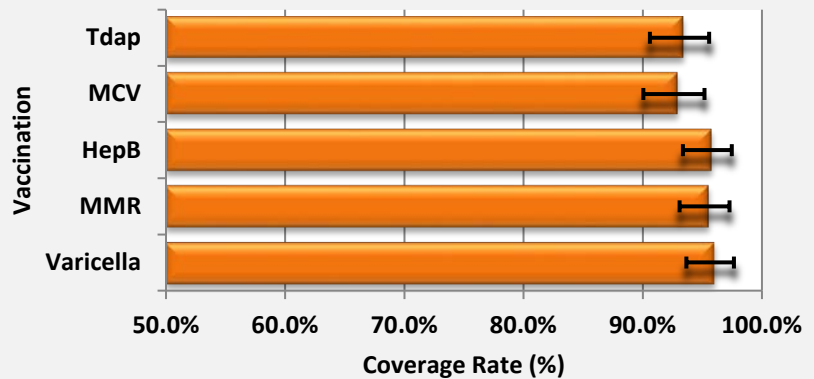
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	98.1%	98.1%
Medical Exemption	0.0%	0.2%
Religious Exemption	0.8%	0.5%
No Certificate on File	1.1%	1.2%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Graves County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	97.0	45	94.0	94.2	Met
3+	Polio	98.5	28	94.5	-----	Met
3+	HepB	97.9	35	94.0	-----	Met
2	MMR	96.2	41	92.3	94.0	Met
2	Varicella	95.3	44	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	93.4	41	82.8	87.6 (±0.9)	(80%) Met
1	MCV	92.9	40	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	95.8	108	97.4	-----	(95%) Met
2	MMR	95.5	110	97.8	-----	(95%) Met
2	Varicella	96.0	106	98.0	81.0 (±1.2)	(90%) Met

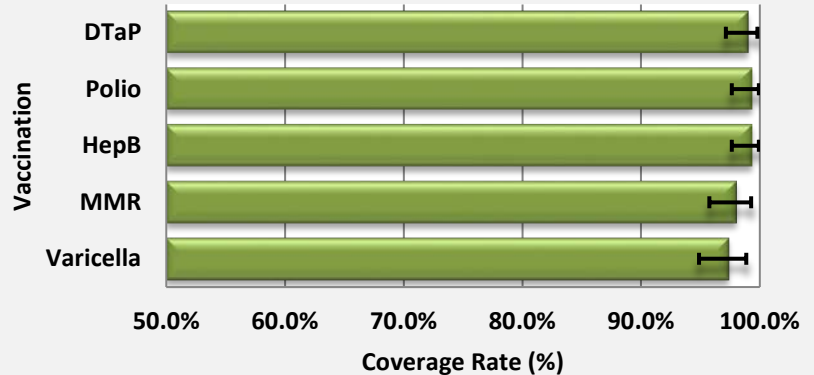
Grayson County

304 Children in Kindergarten

335 Children in Sixth Grade



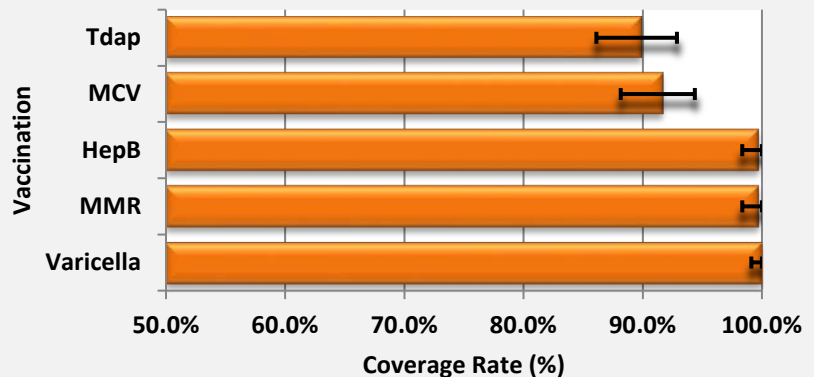
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	99.4%	99.1%
Medical Exemption	0.3%	0.3%
Religious Exemption	0.0%	0.6%
No Certificate on File	0.3%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Grayson County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	99.0	11	94.0	94.2	Met
3+	Polio	99.3	13	94.5	-----	Met
3+	HepB	99.3	10	94.0	-----	Met
2	MMR	98.0	21	92.3	94.0	Met
2	Varicella	97.4	25	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	89.9	54	82.8	87.6 (±0.9)	(80%) Met
1	MCV	91.6	44	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.7	20	97.4	-----	(95%) Met
2	MMR	99.7	17	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

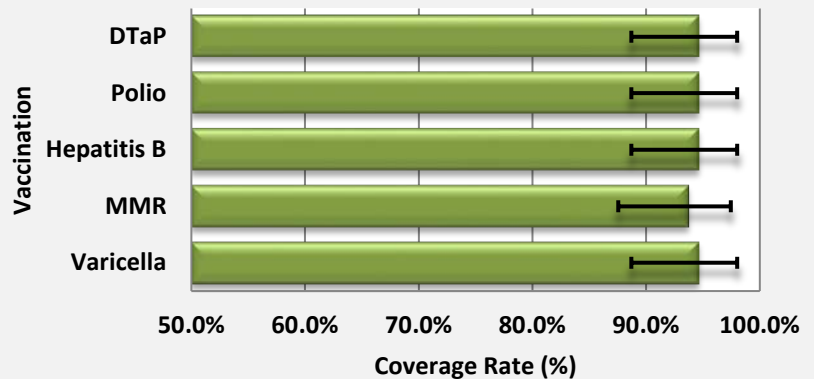
Green County

112 Children in Kindergarten

129 Children in Sixth Grade



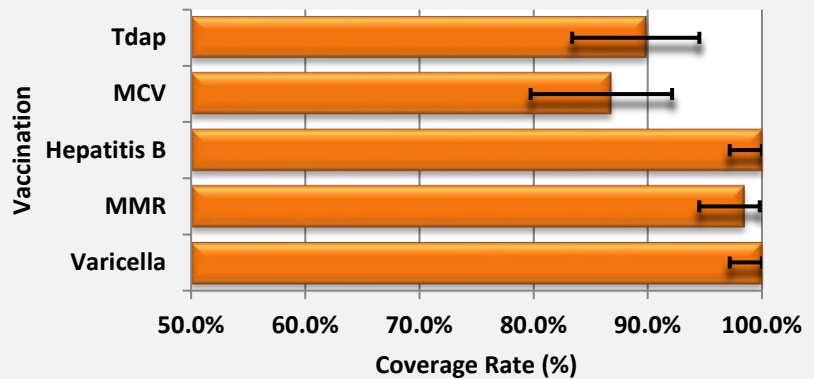
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	93.7%	97.7%
Medical Exemption	0.9%	1.5%
Religious Exemption	0.0%	0.8%
No Certificate on File	5.4%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Green County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	94.6	71	94.0	94.2	Not Met
3+	Polio	94.6	74	94.5	-----	Not Met
3+	HepB	94.6	71	94.0	-----	Not Met
2	MMR	93.8	67	92.3	94.0	Not Met
2	Varicella	94.6	51	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	89.9	53	82.8	87.6 (±0.9)	(80%) Met
1	MCV	86.8	64	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	98.4	62	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

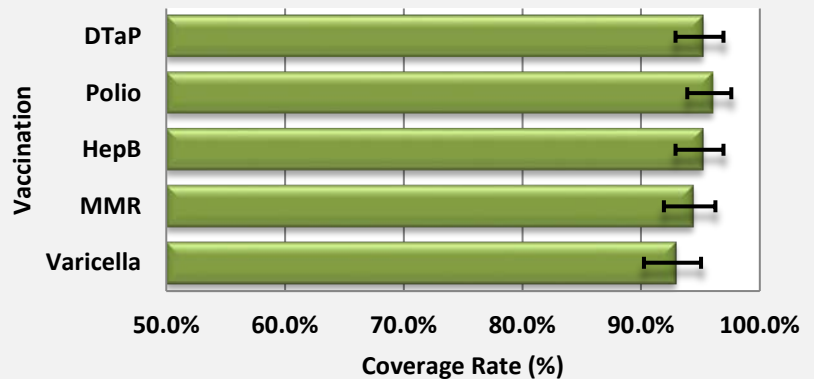
Greenup County

480 Children in Kindergarten

484 Children in Sixth Grade



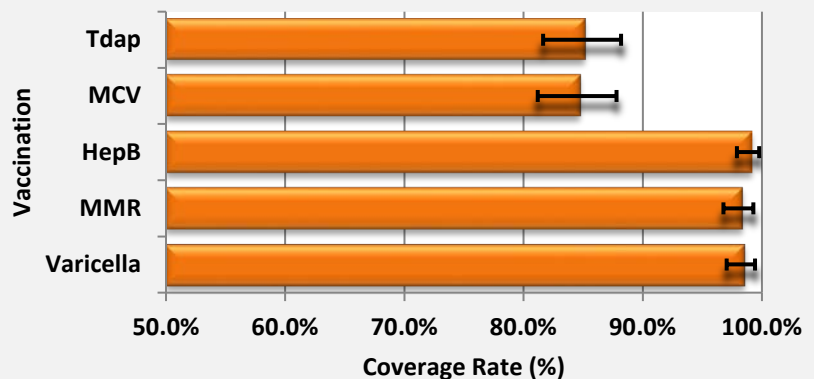
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	96.5%	99.4%
Medical Exemption	0.4%	0.2%
Religious Exemption	0.2%	0.0%
No Certificate on File	2.9%	0.4%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Greenup County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	95.2	66	94.0	94.2	Met
3+	Polio	96.0	60	94.5	-----	Met
3+	HepB	95.2	65	94.0	-----	Met
2	MMR	94.4	60	92.3	94.0	Not Met
2	Varicella	92.9	68	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	85.1	76	82.8	87.6 (±0.9)	(80%) Met
1	MCV	84.7	73	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.2	39	97.4	-----	(95%) Met
2	MMR	98.3	68	97.8	-----	(95%) Met
2	Varicella	98.6	65	98.0	81.0 (±1.2)	(90%) Met

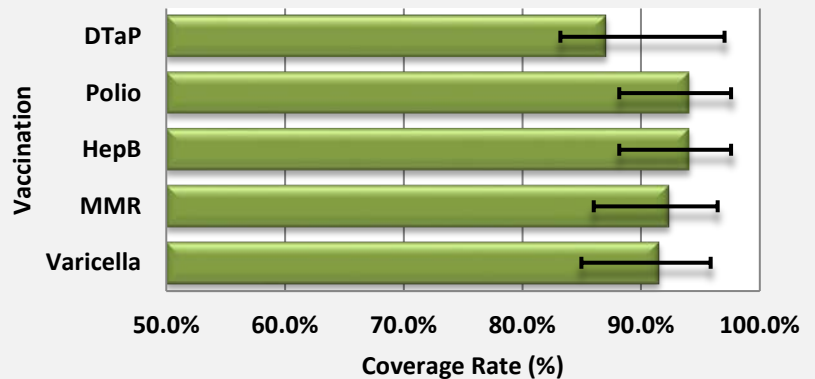
Hancock County

118 Children in Kindergarten

140 Children in Sixth Grade



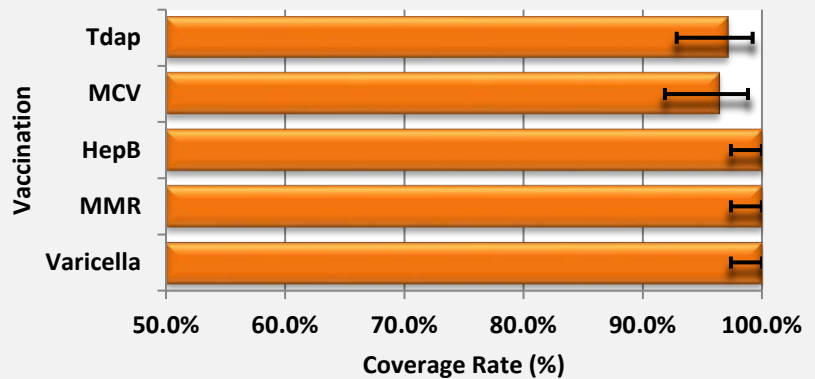
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	94.9%	100.0%
Medical Exemption	0.0%	0.0%
Religious Exemption	1.7%	0.0%
No Certificate on File	3.4%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Hancock County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	93.2	87	94.0	94.2	Not Met
3+	Polio	94.1	79	94.5	-----	Not Met
3+	HepB	94.1	75	94.0	-----	Not Met
2	MMR	92.4	79	92.3	94.0	Not Met
2	Varicella	91.5	82	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	97.1	18	82.8	87.6 (±0.9)	(80%) Met
1	MCV	96.4	24	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	100.0	1	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

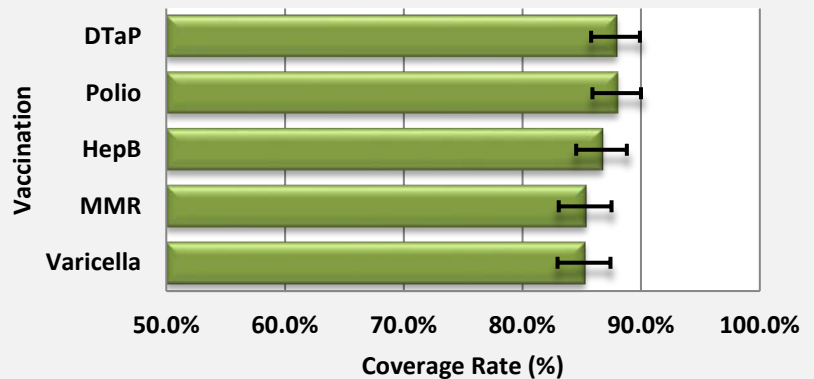
Hardin County

1,013 Children in Kindergarten

1,093 Children in Sixth Grade



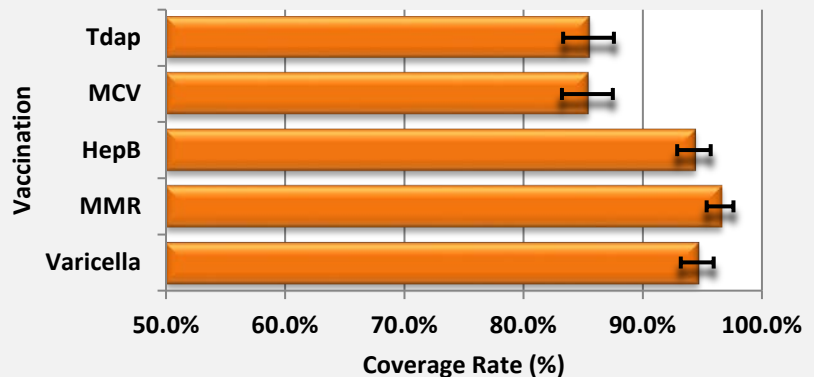
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	89.3%	95.3%
Medical Exemption	0.1%	0.1%
Religious Exemption	0.4%	0.3%
No Certificate on File	10.2%	4.3%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Hardin County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	88.0	106	94.0	94.2	Not Met
3+	Polio	88.1	108	94.5	-----	Not Met
3+	HepB	86.8	109	94.0	-----	Not Met
2	MMR	85.4	106	92.3	94.0	Not Met
2	Varicella	85.3	104	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	85.5	74	82.8	87.6 (±0.9)	(80%) Met
1	MCV	85.5	71	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	94.4	115	97.4	-----	(95%) Not Met
2	MMR	96.6	100	97.8	-----	(95%) Met
2	Varicella	94.7	112	98.0	81.0 (±1.2)	(90%) Met

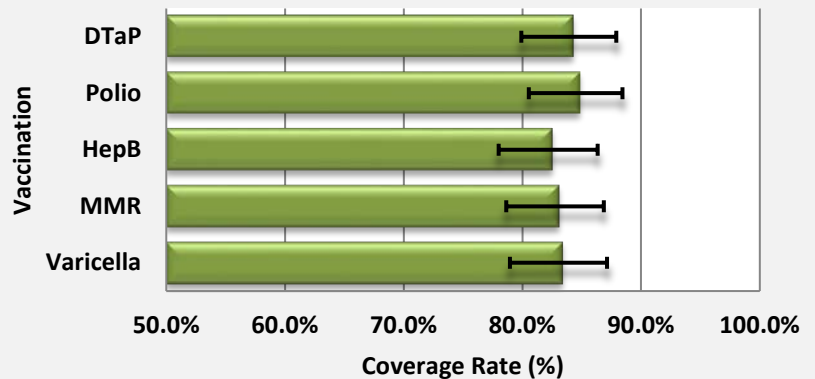
Harlan County

342 Children in Kindergarten

339 Children in Sixth Grade



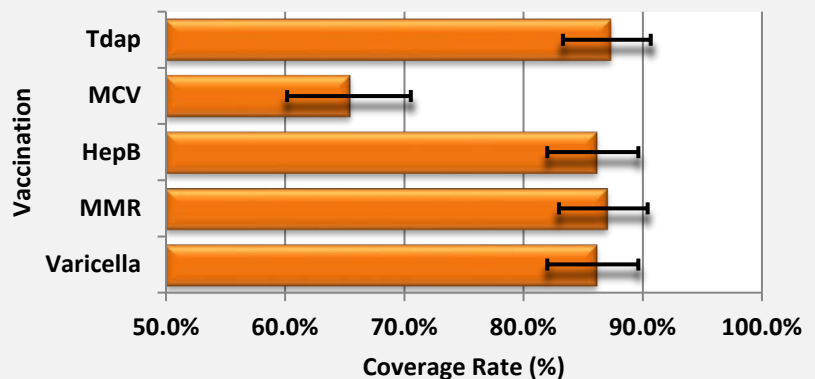
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	87.7%	94.7%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.3%	0.3%
No Certificate on File	12.0%	5.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Harlan County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	84.2	115	94.0	94.2	Not Met
3+	Polio	84.8	116	94.5	-----	Not Met
3+	HepB	82.5	119	94.0	-----	Not Met
2	MMR	83.0	112	92.3	94.0	Not Met
2	Varicella	83.3	112	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	87.3	66	82.8	87.6 (±0.9)	(80%) Met
1	MCV	65.5	100	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	86.1	120	97.4	-----	(95%) Not Met
2	MMR	87.0	119	97.8	-----	(95%) Not Met
2	Varicella	86.1	120	98.0	81.0 (±1.2)	(90%) Not Met

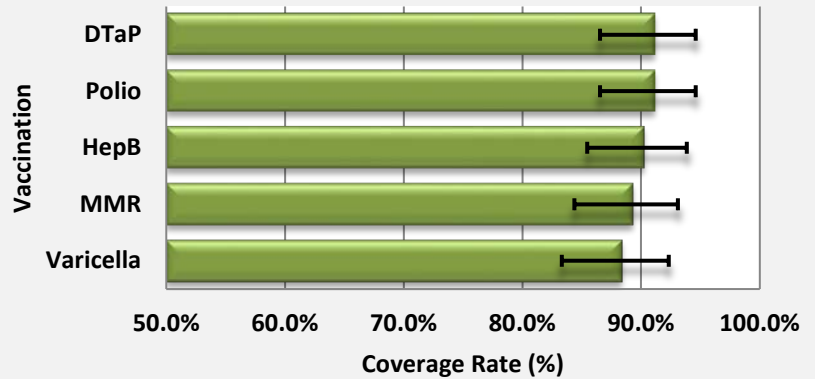
Harrison County

215 Children in Kindergarten

222 Children in Sixth Grade



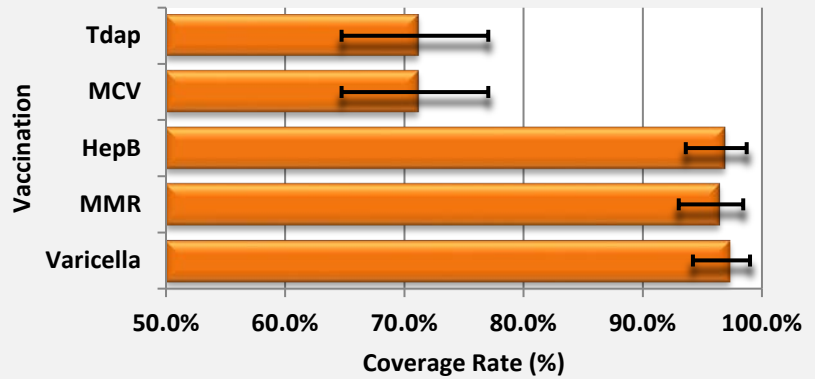
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	91.6%	96.4%
Medical Exemption	0.0%	0.4%
Religious Exemption	0.0%	0.9%
No Certificate on File	8.4%	2.3%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Harrison County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	91.2	93	94.0	94.2	Not Met
3+	Polio	91.2	93	94.5	-----	Not Met
3+	HepB	90.2	98	94.0	-----	Not Met
2	MMR	89.3	93	92.3	94.0	Not Met
2	Varicella	88.4	92	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	71.2	98	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	71.2	96	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	96.8	93	97.4	-----	(95%) Met
2	MMR	96.4	101	97.8	-----	(95%) Met
2	Varicella	97.3	89	98.0	81.0 (±1.2)	(90%) Met

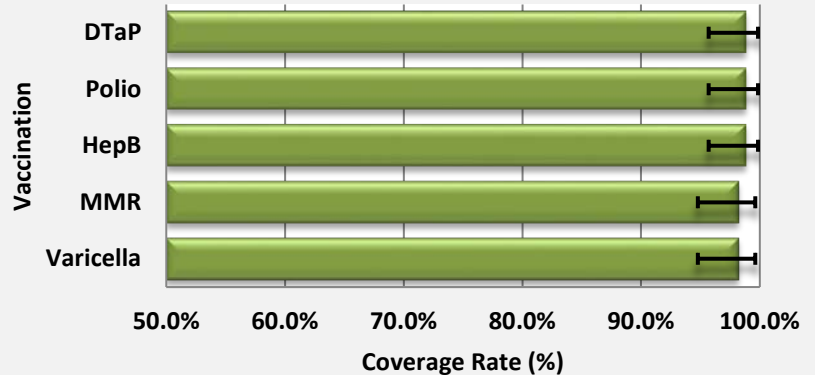
Hart County

165 Children in Kindergarten

227 Children in Sixth Grade



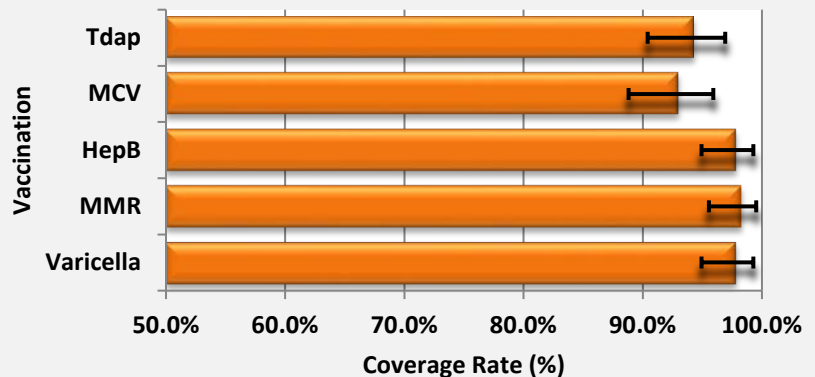
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	98.8%	98.2%
Medical Exemption	0.0%	0.0%
Religious Exemption	1.2%	0.9%
No Certificate on File	0.0%	0.9%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)

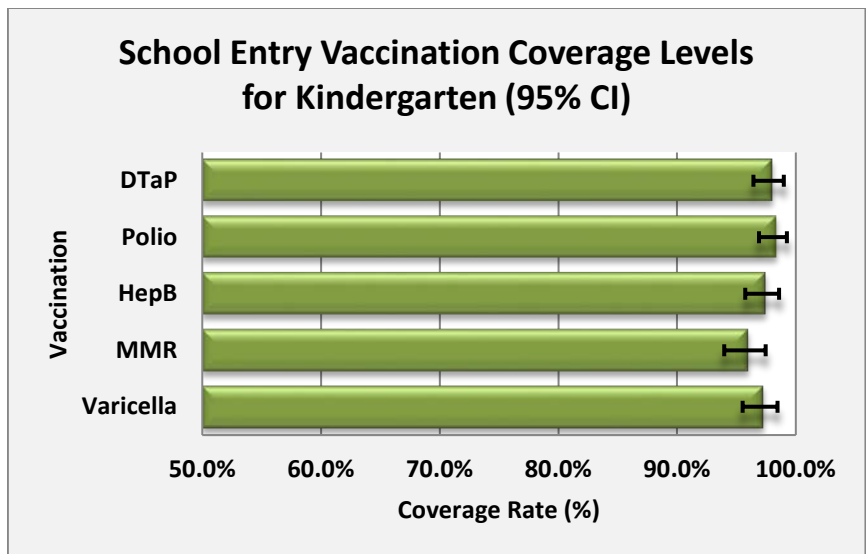


Age-Specific Group: Vaccines and Doses		Hart County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.8	15	94.0	94.2	Met
3+	Polio	98.8	22	94.5	-----	Met
3+	HepB	98.8	17	94.0	-----	Met
2	MMR	98.2	19	92.3	94.0	Met
2	Varicella	98.2	12	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	94.3	34	82.8	87.6 (±0.9)	(80%) Met
1	MCV	93.0	39	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	97.8	81	97.4	-----	(95%) Met
2	MMR	98.2	71	97.8	-----	(95%) Met
2	Varicella	97.8	83	98.0	81.0 (±1.2)	(90%) Met

Henderson County

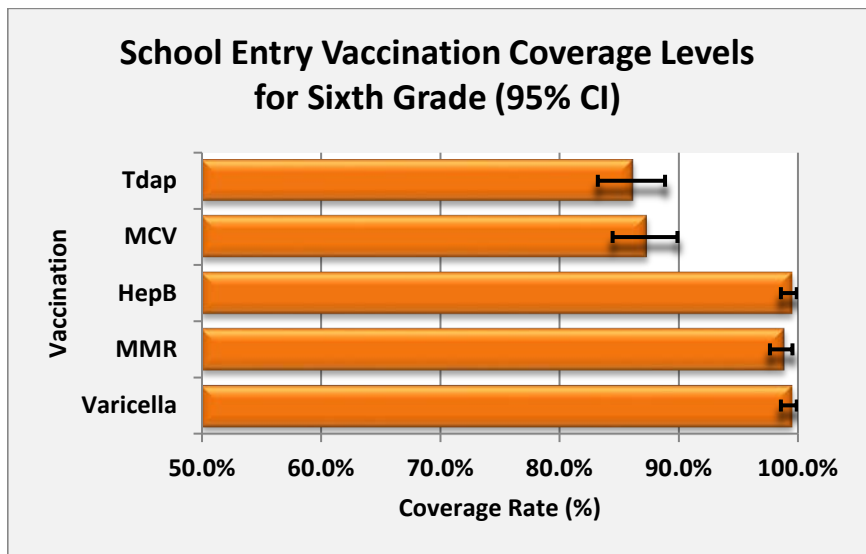
547 Children in Kindergarten

609 Children in Sixth Grade



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	98.7%	97.9%
Medical Exemption	0.0%	1.6%
Religious Exemption	0.4%	0.5%
No Certificate on File	0.9%	0.0%



Age-Specific Group: Vaccines and Doses		Henderson County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.0	29	94.0	94.2	Met
3+	Polio	98.4	31	94.5	-----	Met
3+	HepB	97.4	44	94.0	-----	Met
2	MMR	96.0	44	92.3	94.0	Met
2	Varicella	97.3	27	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	86.2	73	82.8	87.6 (±0.9)	(80%) Met
1	MCV	87.4	62	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.5	25	97.4	-----	(95%) Met
2	MMR	98.9	42	97.8	-----	(95%) Met
2	Varicella	99.5	36	98.0	81.0 (±1.2)	(90%) Met

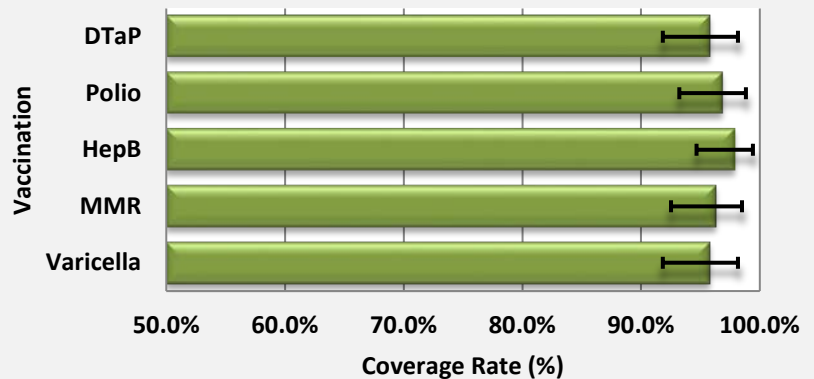
Henry County

189 Children in Kindergarten

232 Children in Sixth Grade



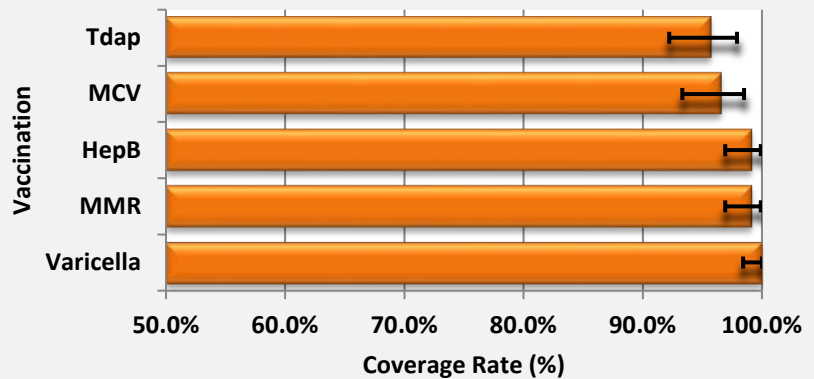
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.9%	98.7%
Medical Exemption	0.0%	0.4%
Religious Exemption	1.6%	0.9%
No Certificate on File	0.5%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)

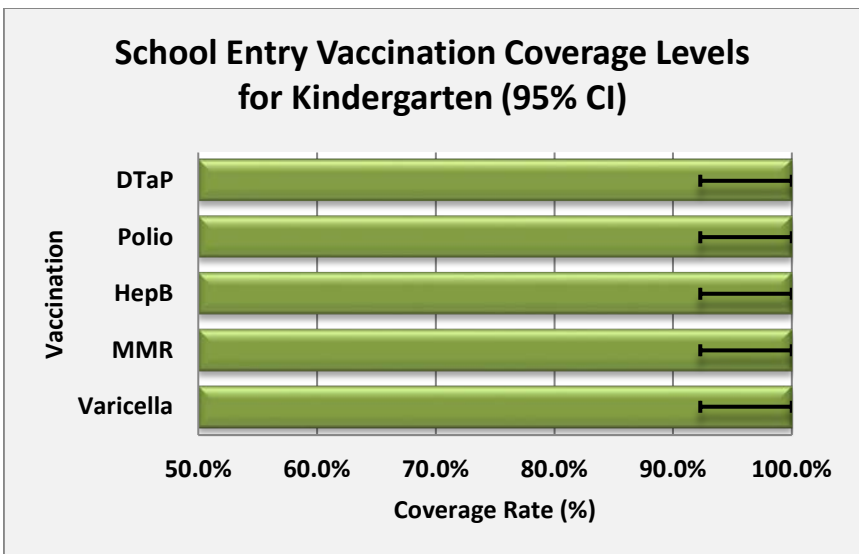


Age-Specific Group: Vaccines and Doses		Henry County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	95.8	59	94.0	94.2	Met
3+	Polio	96.8	51	94.5	-----	Met
3+	HepB	97.9	36	94.0	-----	Met
2	MMR	96.3	40	92.3	94.0	Met
2	Varicella	95.8	40	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	95.7	28	82.8	87.6 (±0.9)	(80%) Met
1	MCV	96.6	21	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.1	40	97.4	-----	(95%) Met
2	MMR	99.1	38	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

Hickman County

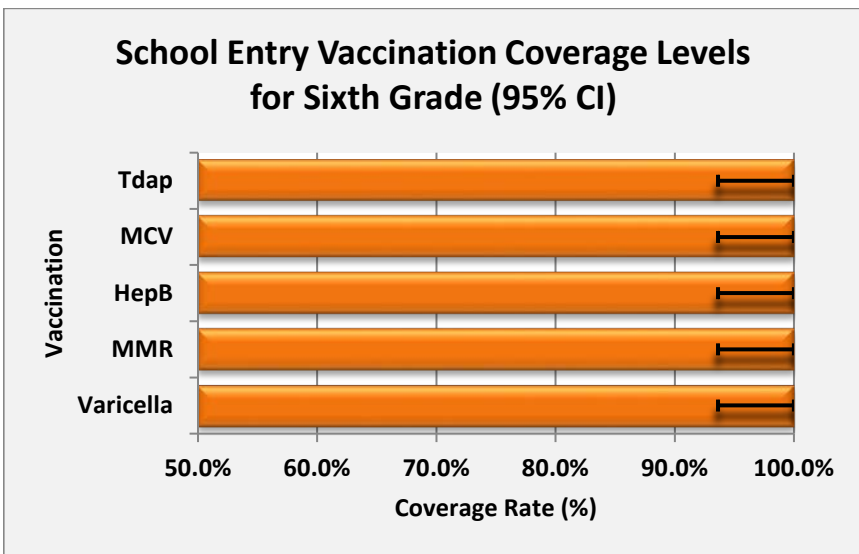
46 Children in Kindergarten

56 Children in Sixth Grade



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	100.0%	100.0%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	0.0%	0.0%



Age-Specific Group: Vaccines and Doses		Hickman County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	100.0	1	94.0	94.2	Met
3+	Polio	100.0	1	94.5	-----	Met
3+	HepB	100.0	1	94.0	-----	Met
2	MMR	100.0	1	92.3	94.0	Met
2	Varicella	100.0	1	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	100.0	1	82.8	87.6 (±0.9)	(80%) Met
1	MCV	100.0	1	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	100.0	1	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

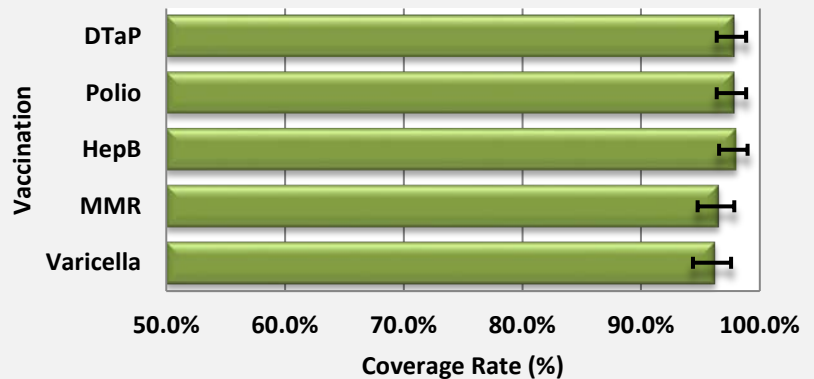
Hopkins County

607 Children in Kindergarten

595 Children in Sixth Grade



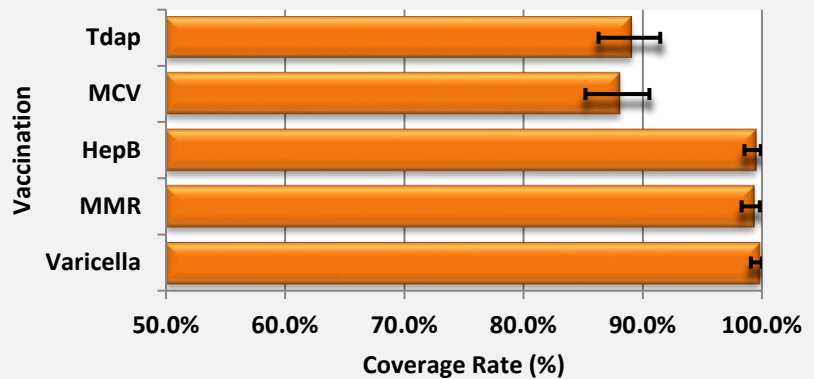
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	98.0%	98.2%
Medical Exemption	0.0%	0.0%
Religious Exemption	1.8%	1.3%
No Certificate on File	0.2%	0.5%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Hopkins County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	97.9	32	94.0	94.2	Met
3+	Polio	97.9	38	94.5	-----	Met
3+	HepB	98.0	31	94.0	-----	Met
2	MMR	96.5	36	92.3	94.0	Met
2	Varicella	96.2	37	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	89.1	61	82.8	87.6 (±0.9)	(80%) Met
1	MCV	88.1	60	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.5	26	97.4	-----	(95%) Met
2	MMR	99.3	30	97.8	-----	(95%) Met
2	Varicella	99.8	30	98.0	81.0 (±1.2)	(90%) Met

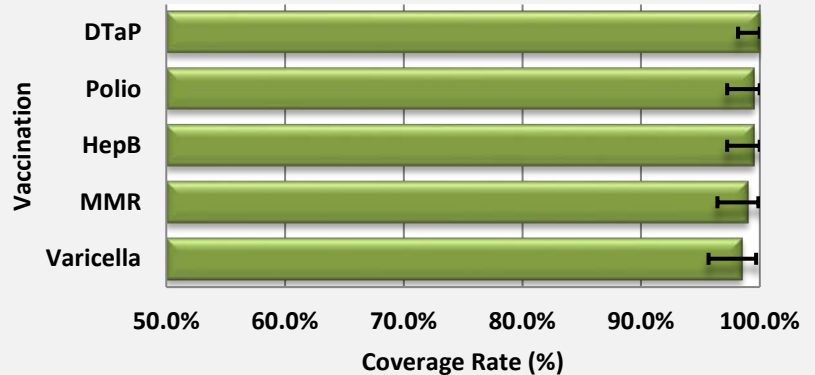
Jackson County

200 Children in Kindergarten

145 Children in Sixth Grade



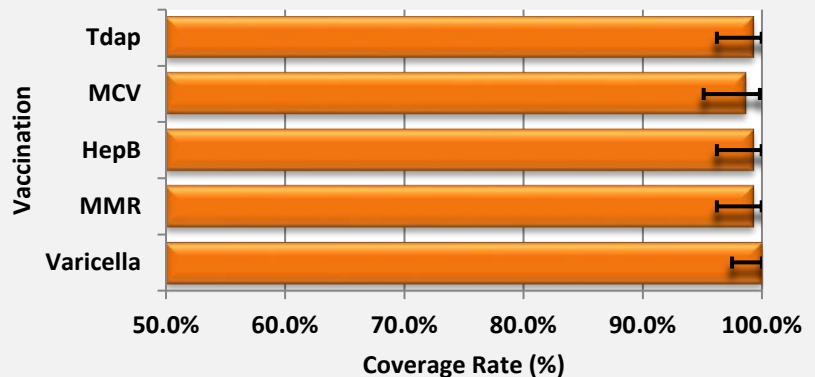
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	100.0%	98.6%
Medical Exemption	0.0%	0.7%
Religious Exemption	0.0%	0.7%
No Certificate on File	0.0%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Jackson County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	100.0	1	94.0	94.2	Met
3+	Polio	99.5	11	94.5	-----	Met
3+	HepB	99.5	9	94.0	-----	Met
2	MMR	99.0	10	92.3	94.0	Met
2	Varicella	98.5	9	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	99.3	6	82.8	87.6 (±0.9)	(80%) Met
1	MCV	98.6	9	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.3	34	97.4	-----	(95%) Met
2	MMR	99.3	31	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

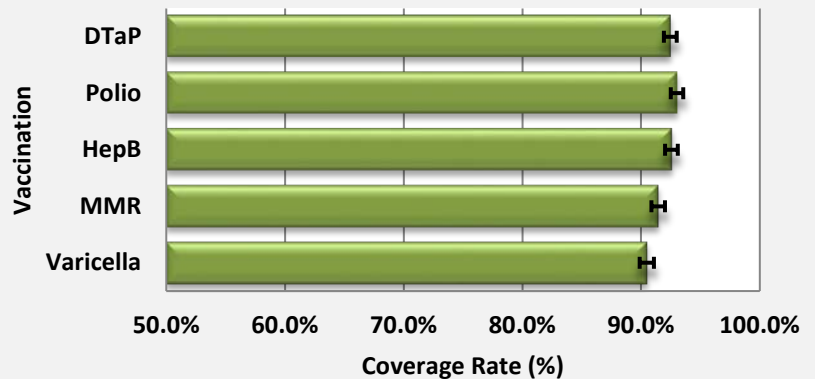
Jefferson County

9,323 Children in Kindergarten

9,003 Children in Sixth Grade



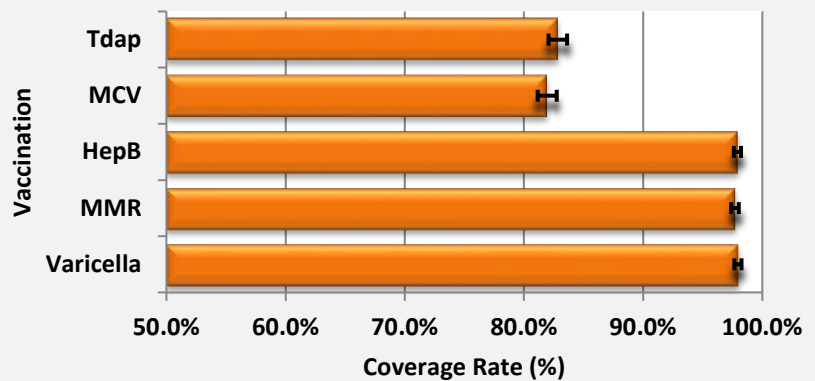
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	93.6%	97.7%
Medical Exemption	0.2%	0.3%
Religious Exemption	0.8%	0.4%
No Certificate on File	5.4%	1.6%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Jefferson County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	92.5	90	94.0	94.2	Not Met
3+	Polio	93.0	87	94.5	-----	Not Met
3+	HepB	92.6	87	94.0	-----	Not Met
2	MMR	91.5	86	92.3	94.0	Not Met
2	Varicella	90.5	85	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	82.9	77	82.8	87.6 (±0.9)	(80%) Met
1	MCV	82.0	75	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	97.9	80	97.4	-----	(95%) Met
2	MMR	97.7	81	97.8	-----	(95%) Met
2	Varicella	98.0	82	98.0	81.0 (±1.2)	(90%) Met

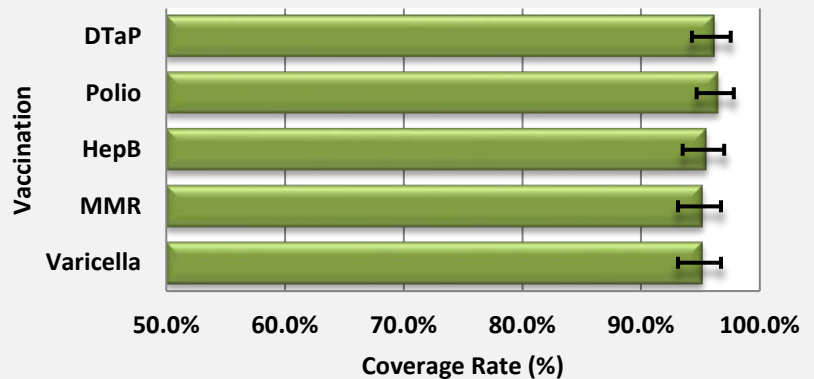
Jessamine County

598 Children in Kindergarten

578 Children in Sixth Grade



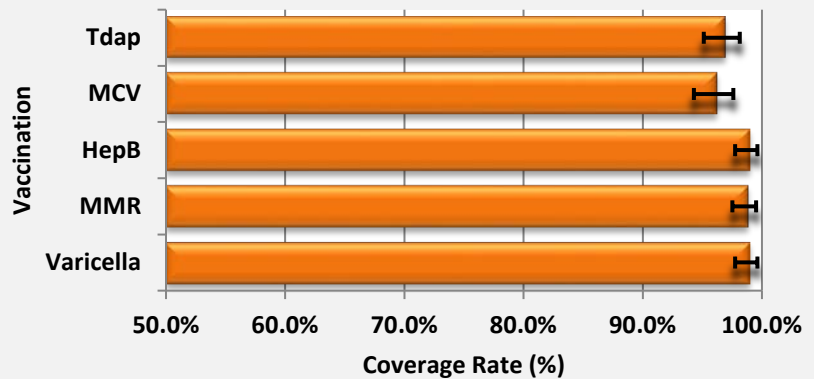
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.9%	98.1%
Medical Exemption	0.3%	0.9%
Religious Exemption	1.5%	0.7%
No Certificate on File	0.3%	0.3%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Jessamine County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	96.2	52	94.0	94.2	Met
3+	Polio	96.5	56	94.5	-----	Met
3+	HepB	95.5	62	94.0	-----	Met
2	MMR	95.2	50	92.3	94.0	Met
2	Varicella	95.2	47	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	96.9	20	82.8	87.6 (±0.9)	(80%) Met
1	MCV	96.2	25	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.0	46	97.4	-----	(95%) Met
2	MMR	98.8	46	97.8	-----	(95%) Met
2	Varicella	99.0	52	98.0	81.0 (±1.2)	(90%) Met

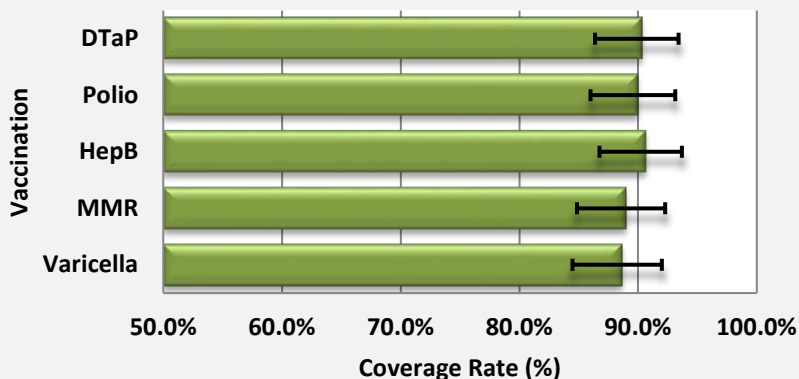
Johnson County

299 Children in Kindergarten

326 Children in Sixth Grade



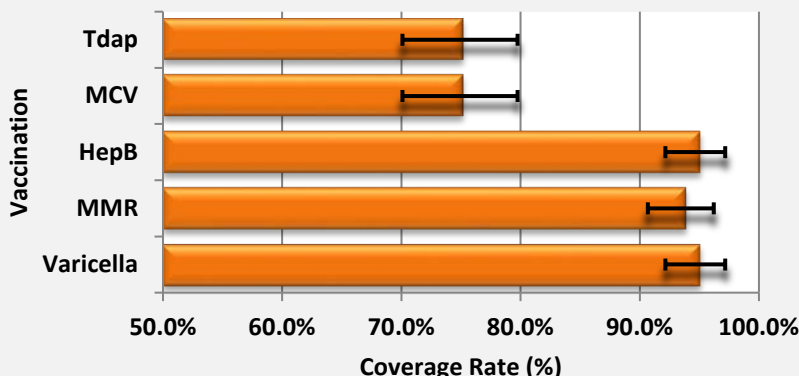
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	90.3%	94.8%
Medical Exemption	0.3%	0.3%
Religious Exemption	1.4%	0.0%
No Certificate on File	8.0%	4.9%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Johnson County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	90.3	96	94.0	94.2	Not Met
3+	Polio	90.0	98	94.5	-----	Not Met
3+	HepB	90.6	96	94.0	-----	Not Met
2	MMR	89.0	95	92.3	94.0	Not Met
2	Varicella	88.6	91	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	75.2	92	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	75.2	90	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	95.1	112	97.4	-----	(95%) Met
2	MMR	93.9	114	97.8	-----	(95%) Not Met
2	Varicella	95.1	110	98.0	81.0 (±1.2)	(90%) Met

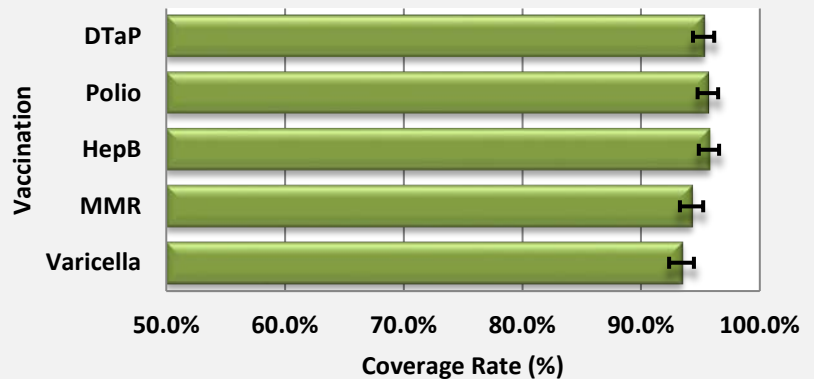
Kenton County

2,248 Children in Kindergarten

2,162 Children in Sixth Grade



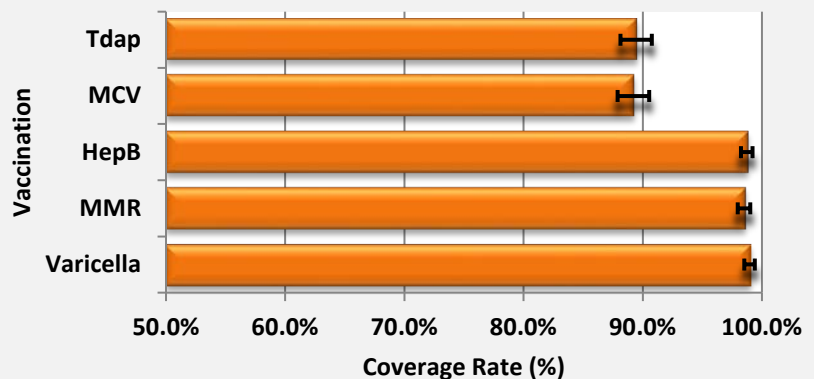
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	96.2%	98.3%
Medical Exemption	0.2%	0.4%
Religious Exemption	0.9%	0.5%
No Certificate on File	2.7%	0.8%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Kenton County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	95.3	65	94.0	94.2	Met
3+	Polio	95.7	65	94.5	-----	Met
3+	HepB	95.8	60	94.0	-----	Met
2	MMR	94.3	61	92.3	94.0	Not Met
2	Varicella	93.5	65	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	89.5	58	82.8	87.6 (±0.9)	(80%) Met
1	MCV	89.3	54	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.8	52	97.4	-----	(95%) Met
2	MMR	98.6	53	97.8	-----	(95%) Met
2	Varicella	99.0	49	98.0	81.0 (±1.2)	(90%) Met

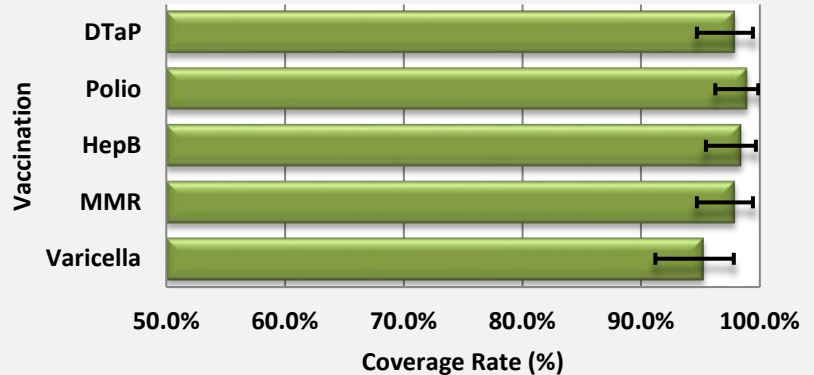
Knott County

190 Children in Kindergarten

176 Children in Sixth Grade



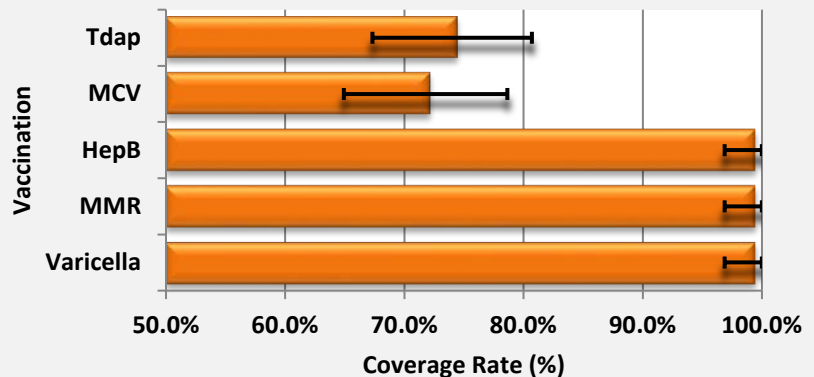
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	99.0%	99.4%
Medical Exemption	0.5%	0.0%
Religious Exemption	0.5%	0.6%
No Certificate on File	0.0%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Knott County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	97.9	31	94.0	94.2	Met
3+	Polio	98.9	18	94.5	-----	Met
3+	HepB	98.4	24	94.0	-----	Met
2	MMR	97.9	24	92.3	94.0	Met
2	Varicella	95.3	46	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	74.4	93	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	72.2	93	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	99.4	29	97.4	-----	(95%) Met
2	MMR	99.4	24	97.8	-----	(95%) Met
2	Varicella	99.4	38	98.0	81.0 (±1.2)	(90%) Met

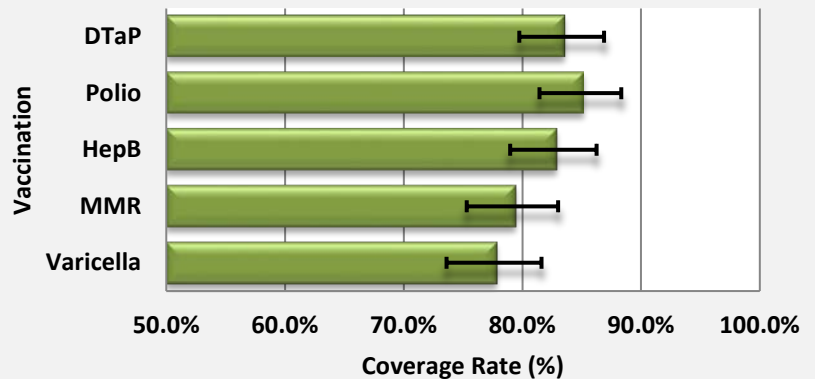
Knox County

437 Children in Kindergarten

431 Children in Sixth Grade



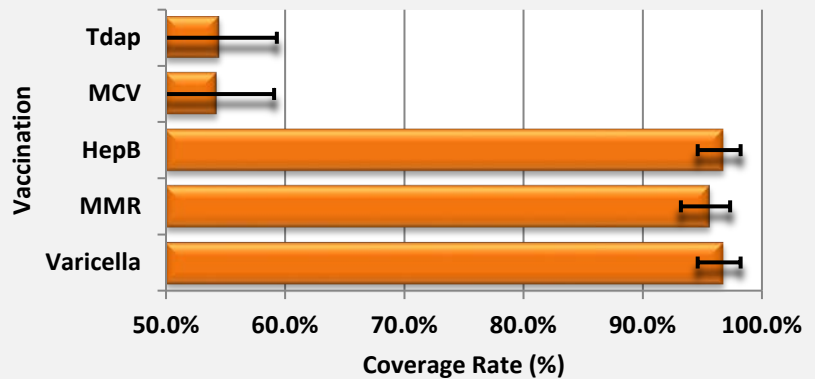
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	86.1%	97.2%
Medical Exemption	0.2%	0.0%
Religious Exemption	0.0%	0.2%
No Certificate on File	13.7%	2.6%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Knox County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	83.5	117	94.0	94.2	Not Met
3+	Polio	85.1	115	94.5	-----	Not Met
3+	HepB	82.8	117	94.0	-----	Not Met
2	MMR	79.4	116	92.3	94.0	Not Met
2	Varicella	77.8	114	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	54.5	111	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	54.3	110	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	96.8	95	97.4	-----	(95%) Met
2	MMR	95.6	107	97.8	-----	(95%) Met
2	Varicella	96.8	98	98.0	81.0 (±1.2)	(90%) Met

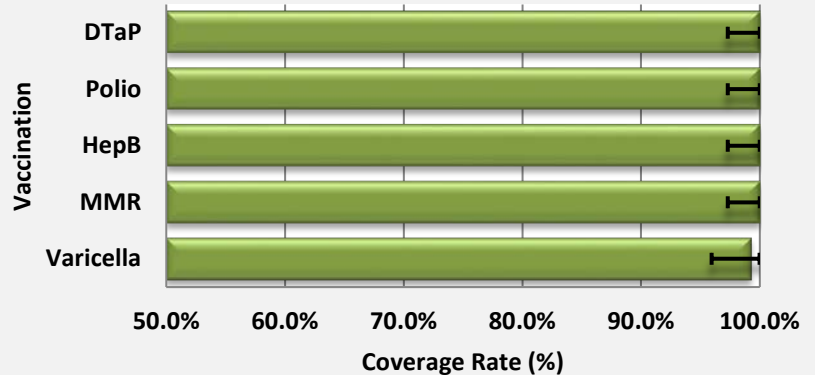
LaRue County

135 Children in Kindergarten

156 Children in Sixth Grade



School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	100.0%	99.4%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.6%
No Certificate on File	0.0%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		LaRue County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	100.0	1	94.0	94.2	Met
3+	Polio	100.0	1	94.5	-----	Met
3+	HepB	100.0	1	94.0	-----	Met
2	MMR	100.0	1	92.3	94.0	Met
2	Varicella	99.3	5	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	97.4	16	82.8	87.6 (±0.9)	(80%) Met
1	MCV	98.7	8	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.4	32	97.4	-----	(95%) Met
2	MMR	98.7	47	97.8	-----	(95%) Met
2	Varicella	99.4	43	98.0	81.0 (±1.2)	(90%) Met

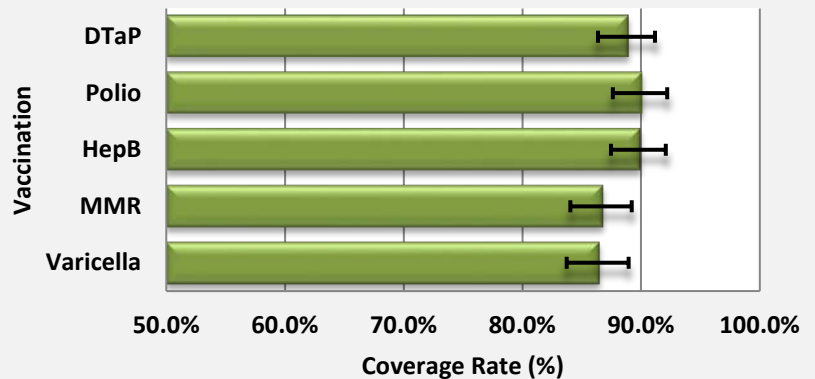
Laurel County

696 Children in Kindergarten

761 Children in Sixth Grade



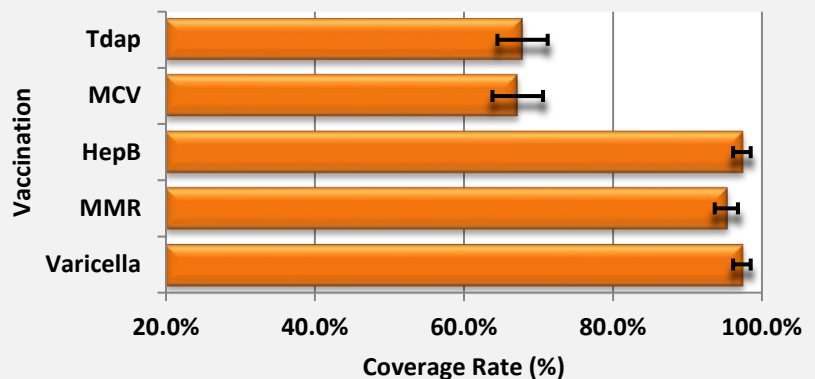
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	93.5%	96.3%
Medical Exemption	0.0%	0.4%
Religious Exemption	0.3%	1.7%
No Certificate on File	6.2%	1.6%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Laurel County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	88.9	103	94.0	94.2	Not Met
3+	Polio	90.1	97	94.5	-----	Not Met
3+	HepB	89.9	99	94.0	-----	Not Met
2	MMR	86.8	99	92.3	94.0	Not Met
2	Varicella	86.5	96	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	67.9	104	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	67.3	99	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	97.5	85	97.4	-----	(95%) Met
2	MMR	95.4	112	97.8	-----	(95%) Met
2	Varicella	97.5	85	98.0	81.0 (±1.2)	(90%) Met

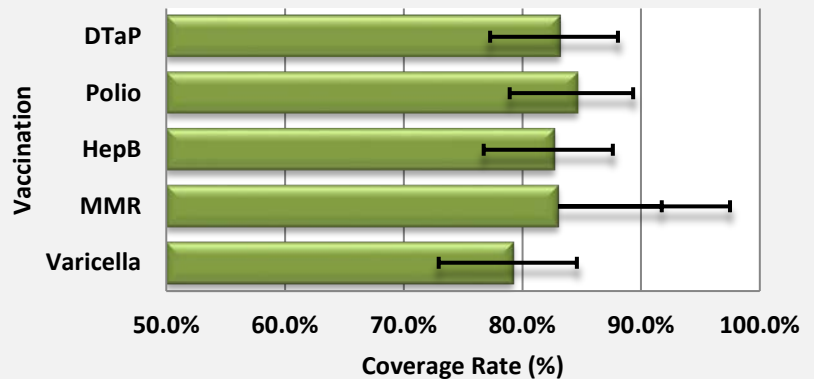
Lawrence County

202 Children in Kindergarten

207 Children in Sixth Grade



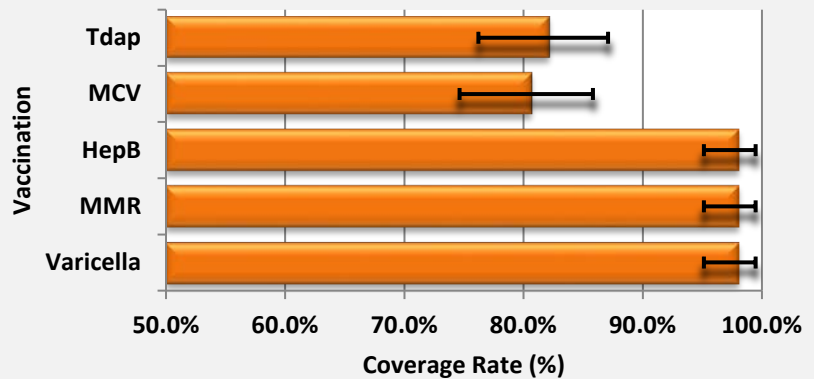
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	87.1%	97.6%
Medical Exemption	0.0%	1.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	12.9%	1.4%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)

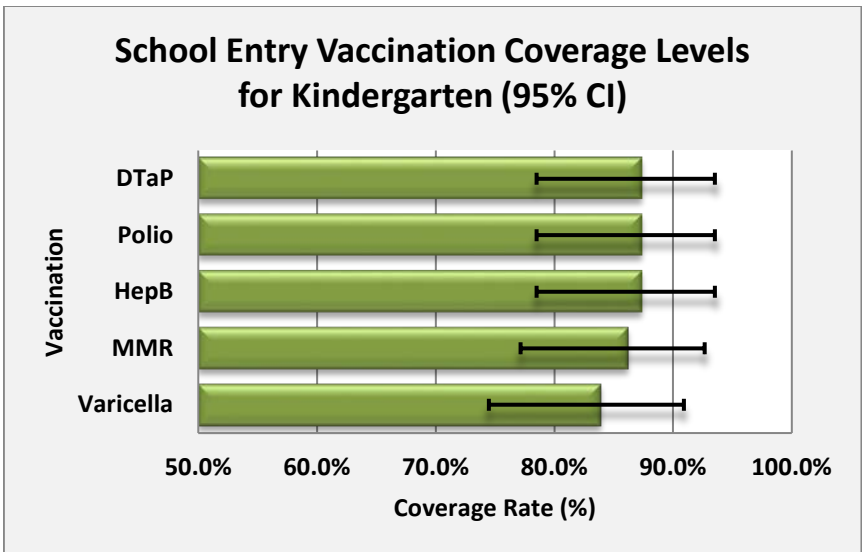


Age-Specific Group: Vaccines and Doses		Lawrence County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	83.2	118	94.0	94.2	Not Met
3+	Polio	84.7	117	94.5	-----	Not Met
3+	HepB	82.7	118	94.0	-----	Not Met
2	MMR	79.2	117	92.3	94.0	Not Met
2	Varicella	79.2	113	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	82.1	79	82.8	87.6 (±0.9)	(80%) Met
1	MCV	80.7	76	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.1	78	97.4	-----	(95%) Met
2	MMR	98.1	77	97.8	-----	(95%) Met
2	Varicella	98.1	79	98.0	81.0 (±1.2)	(90%) Met

Lee County

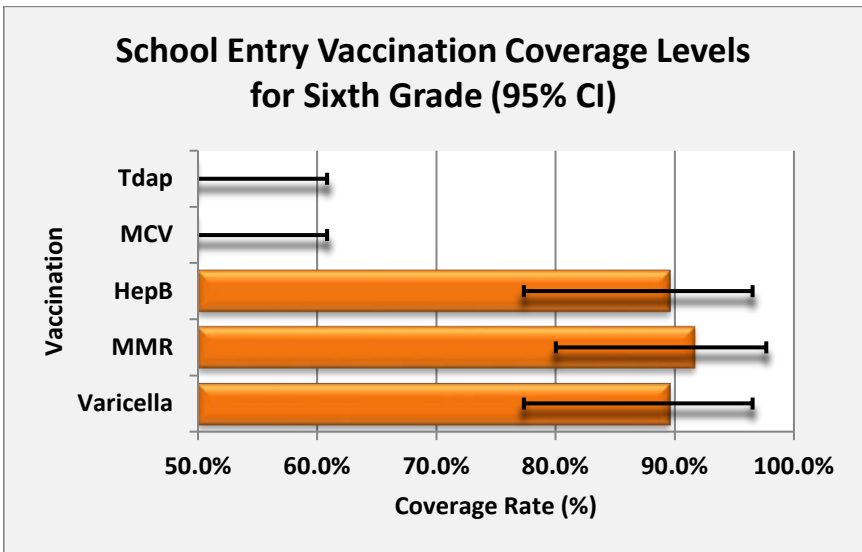
87 Children in Kindergarten

48 Children in Sixth Grade



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	87.4%	93.8%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	12.6%	6.2%



Age-Specific Group: Vaccines and Doses		Lee County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	87.4	109	94.0	94.2	Not Met
3+	Polio	87.4	109	94.5	-----	Not Met
3+	HepB	87.4	108	94.0	-----	Not Met
2	MMR	86.2	102	92.3	94.0	Not Met
2	Varicella	83.9	110	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	45.8	118	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	45.8	118	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	89.6	118	97.4	-----	(95%) Not Met
2	MMR	91.7	117	97.8	-----	(95%) Not Met
2	Varicella	89.6	118	98.0	81.0 (±1.2)	(90%) Not Met

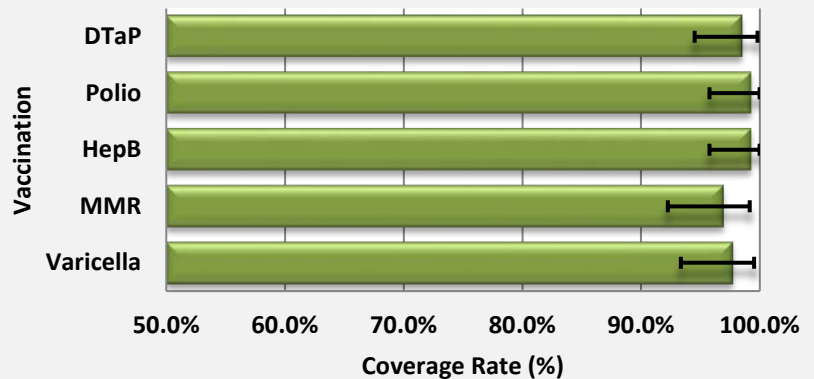
Leslie County

129 Children in Kindergarten

121 Children in Sixth Grade



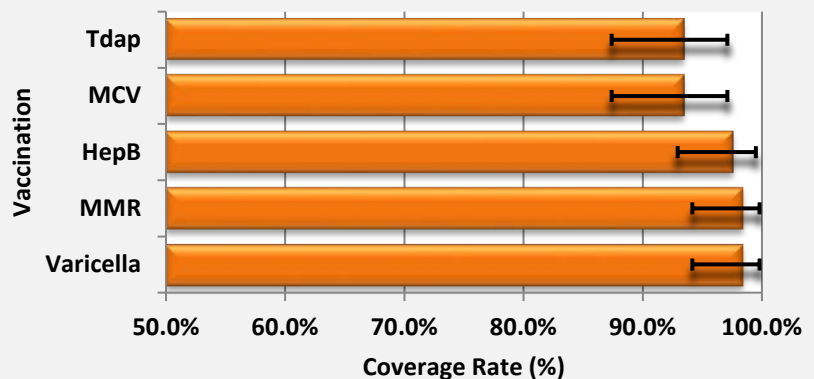
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	98.4%	96.7%
Medical Exemption	0.8%	1.7%
Religious Exemption	0.0%	0.8%
No Certificate on File	0.8%	0.8%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Leslie County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.4	20	94.0	94.2	Met
3+	Polio	99.2	15	94.5	-----	Met
3+	HepB	99.2	12	94.0	-----	Met
2	MMR	96.9	32	92.3	94.0	Met
2	Varicella	97.7	16	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	93.4	42	82.8	87.6 (±0.9)	(80%) Met
1	MCV	93.4	37	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	97.5	84	97.4	-----	(95%) Met
2	MMR	98.3	68	97.8	-----	(95%) Met
2	Varicella	98.3	76	98.0	81.0 (±1.2)	(90%) Met

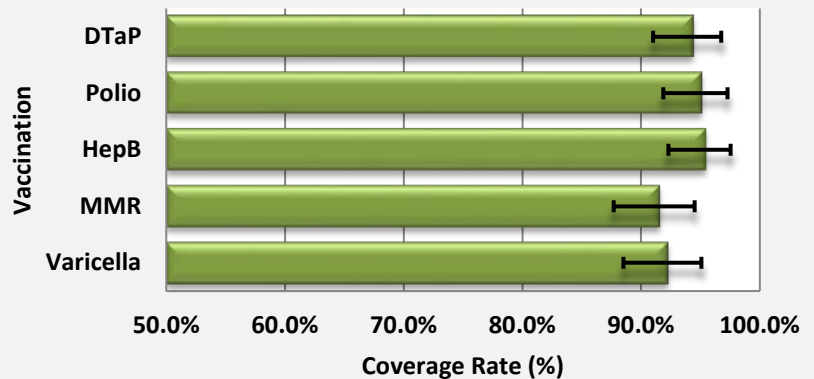
Letcher County

284 Children in Kindergarten

282 Children in Sixth Grade



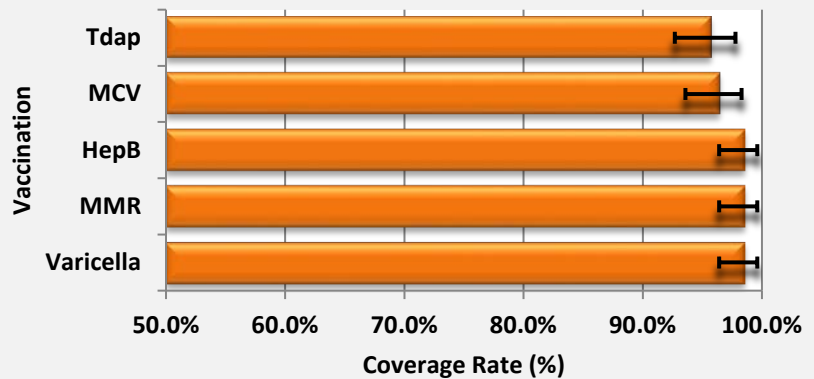
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	94.4%	100.0%
Medical Exemption	0.7%	0.0%
Religious Exemption	1.0%	0.0%
No Certificate on File	3.9%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Letcher County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	94.4	76	94.0	94.2	Not Met
3+	Polio	95.1	69	94.5	-----	Met
3+	HepB	95.4	64	94.0	-----	Met
2	MMR	91.5	84	92.3	94.0	Not Met
2	Varicella	92.3	74	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	95.7	27	82.8	87.6 (±0.9)	(80%) Met
1	MCV	96.5	23	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.6	60	97.4	-----	(95%) Met
2	MMR	98.6	52	97.8	-----	(95%) Met
2	Varicella	98.6	64	98.0	81.0 (±1.2)	(90%) Met

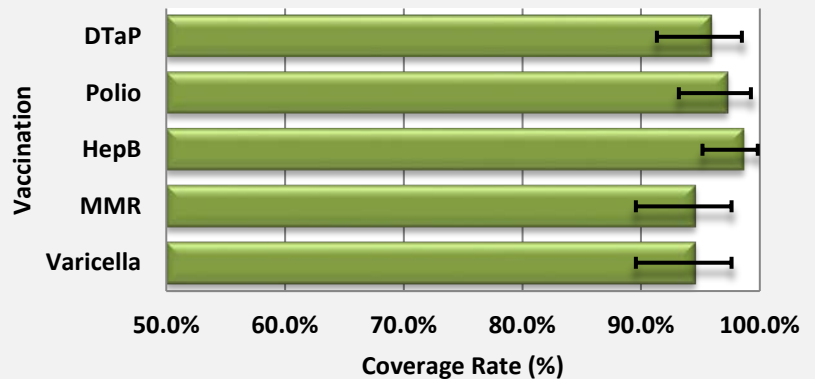
Lewis County

147 Children in Kindergarten

183 Children in Sixth Grade



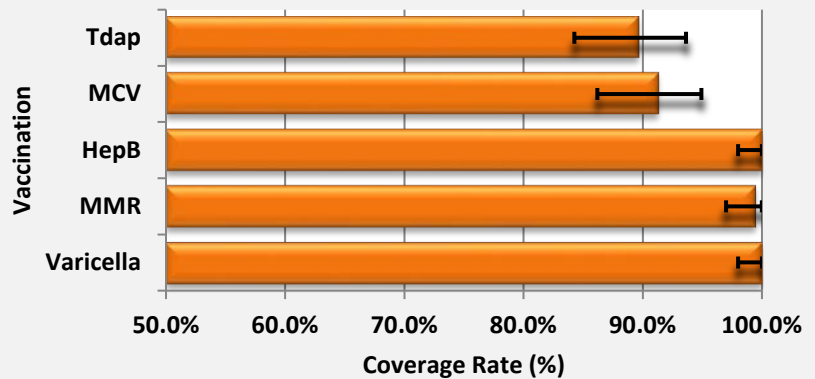
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	99.3%	99.5%
Medical Exemption	0.0%	0.5%
Religious Exemption	0.7%	0.0%
No Certificate on File	0.0%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Lewis County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	95.9	55	94.0	94.2	Met
3+	Polio	97.3	47	94.5	-----	Met
3+	HepB	98.6	20	94.0	-----	Met
2	MMR	94.6	56	92.3	94.0	Not Met
2	Varicella	94.6	53	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	89.6	55	82.8	87.6 (±0.9)	(80%) Met
1	MCV	91.3	47	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	99.5	23	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

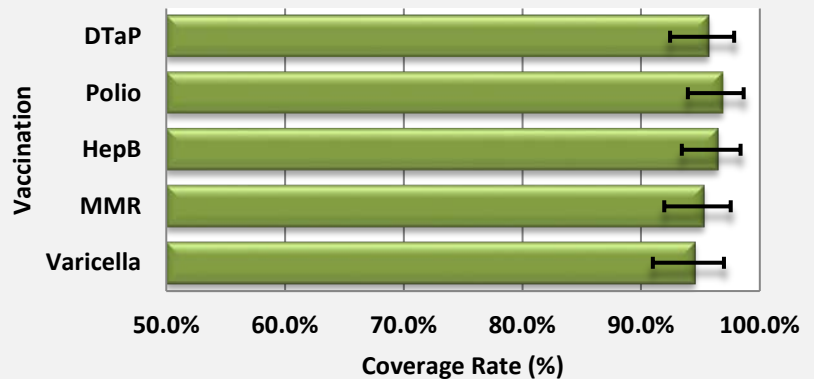
Lincoln County

256 Children in Kindergarten

285 Children in Sixth Grade



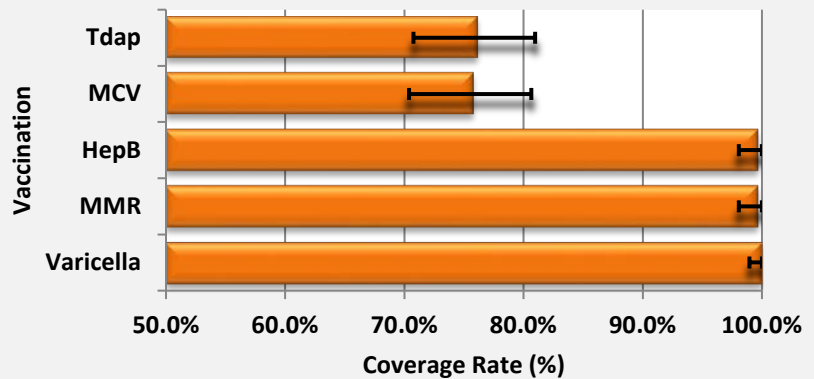
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.2%	98.9%
Medical Exemption	0.0%	0.0%
Religious Exemption	1.2%	0.7%
No Certificate on File	1.6%	0.4%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Lincoln County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	95.7	60	94.0	94.2	Met
3+	Polio	96.9	49	94.5	-----	Met
3+	HepB	96.5	52	94.0	-----	Met
2	MMR	95.3	47	92.3	94.0	Met
2	Varicella	94.5	55	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	76.1	90	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	75.8	87	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	99.6	21	97.4	-----	(95%) Met
2	MMR	99.6	18	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

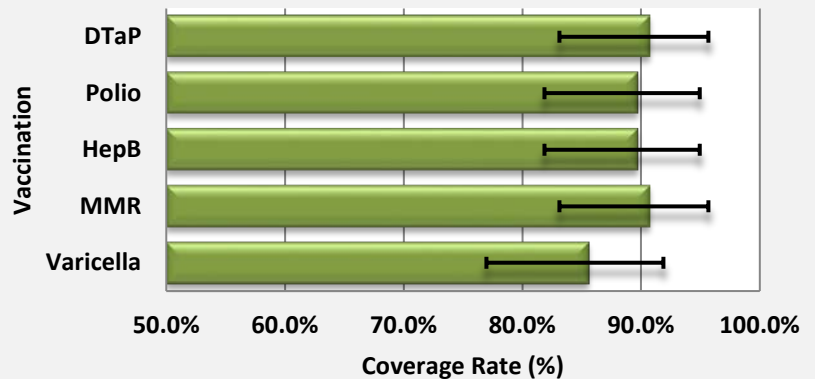
Livingston County

97 Children in Kindergarten

80 Children in Sixth Grade



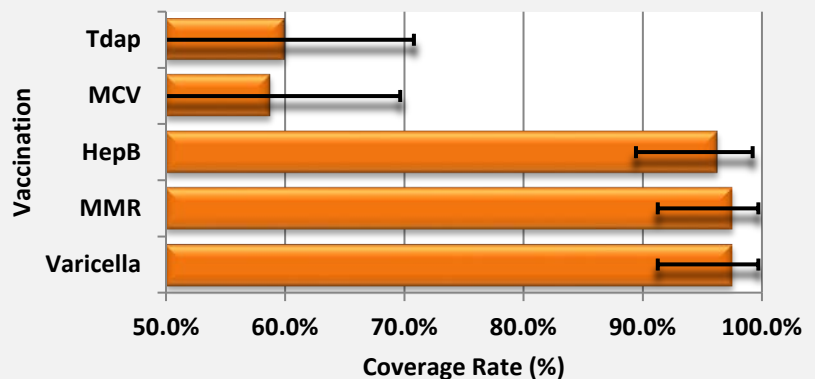
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	91.8%	98.8%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	1.2%
No Certificate on File	8.2%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Livingston County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	90.7	95	94.0	94.2	Not Met
3+	Polio	89.7	102	94.5	-----	Not Met
3+	HepB	89.7	101	94.0	-----	Not Met
2	MMR	90.7	89	92.3	94.0	Not Met
2	Varicella	85.6	100	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	60.0	107	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	58.8	107	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	96.3	103	97.4	-----	(95%) Met
2	MMR	97.5	85	97.8	-----	(95%) Met
2	Varicella	97.5	86	98.0	81.0 (±1.2)	(90%) Met

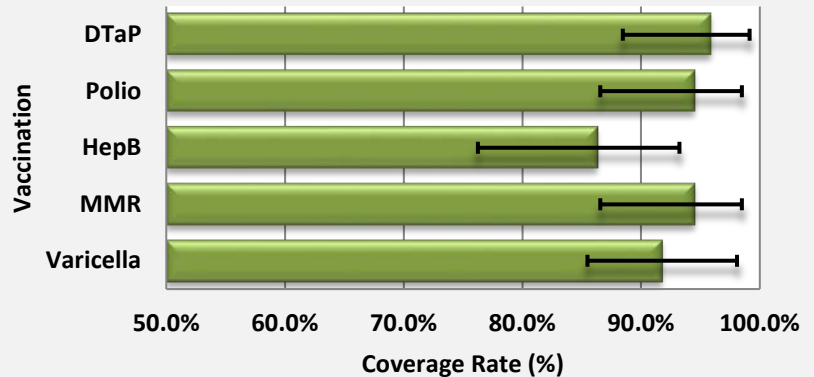
Logan County

332 Children in Kindergarten

341 Children in Sixth Grade



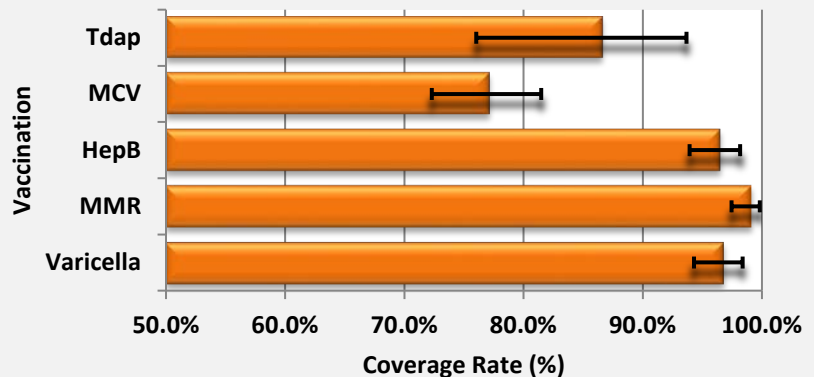
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	94.6%	97.9%
Medical Exemption	0.3%	0.3%
Religious Exemption	0.9%	0.0%
No Certificate on File	4.2%	1.8%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Logan County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	89.2	101	94.0	94.2	Not Met
3+	Polio	89.8	101	94.5	-----	Not Met
3+	HepB	92.8	83	94.0	-----	Not Met
2	MMR	86.7	100	92.3	94.0	Not Met
2	Varicella	85.5	101	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	77.7	87	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	77.1	83	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	96.5	98	97.4	-----	(95%) Met
2	MMR	99.1	39	97.8	-----	(95%) Met
2	Varicella	96.8	97	98.0	81.0 (±1.2)	(90%) Met

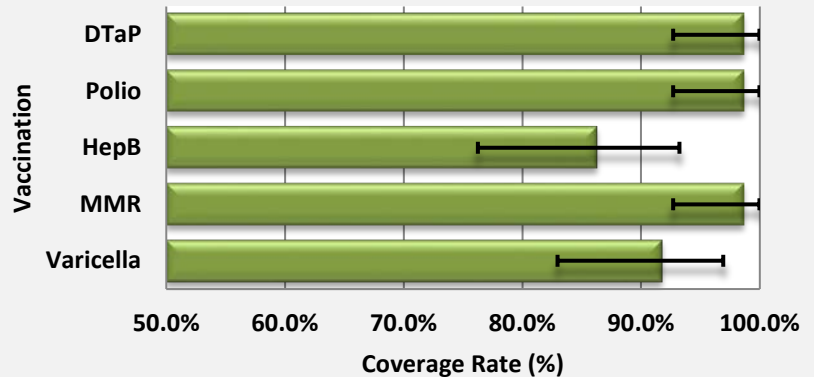
Lyon County

73 Children in Kindergarten

67 Children in Sixth Grade



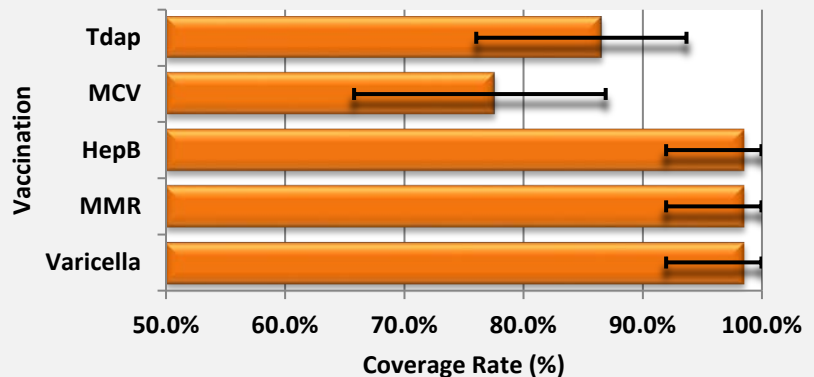
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.3%	98.5%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	1.5%
No Certificate on File	2.7%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Lyon County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	95.9	57	94.0	94.2	Met
3+	Polio	94.5	75	94.5	-----	Not Met
3+	HepB	86.3	110	94.0	-----	Not Met
2	MMR	94.5	58	92.3	94.0	Not Met
2	Varicella	91.8	77	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	86.6	70	82.8	87.6 (±0.9)	(80%) Met
1	MCV	77.6	82	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	98.5	63	97.4	-----	(95%) Met
2	MMR	98.5	57	97.8	-----	(95%) Met
2	Varicella	98.5	68	98.0	81.0 (±1.2)	(90%) Met

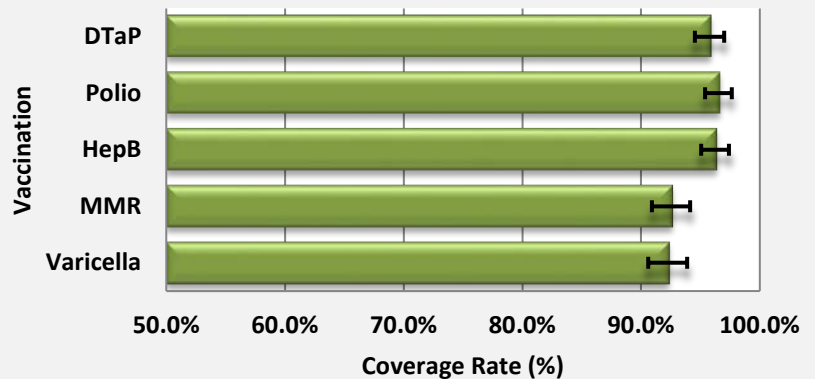
Madison County

1,073 Children in Kindergarten

788 Children in Sixth Grade



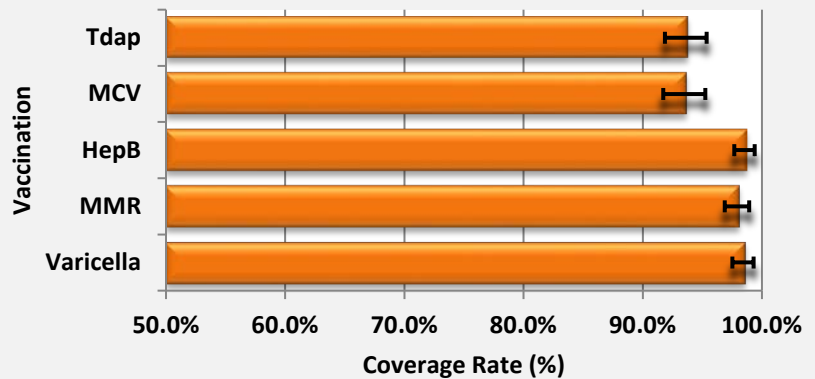
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	96.7%	96.5%
Medical Exemption	0.4%	0.8%
Religious Exemption	0.9%	0.8%
No Certificate on File	2.0%	1.9%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Madison County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	95.9	56	94.0	94.2	Met
3+	Polio	96.6	54	94.5	-----	Met
3+	HepB	96.4	55	94.0	-----	Met
2	MMR	92.6	77	92.3	94.0	Not Met
2	Varicella	92.4	72	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	93.8	40	82.8	87.6 (±0.9)	(80%) Met
1	MCV	93.7	35	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.7	53	97.4	-----	(95%) Met
2	MMR	98.1	76	97.8	-----	(95%) Met
2	Varicella	98.6	63	98.0	81.0 (±1.2)	(90%) Met

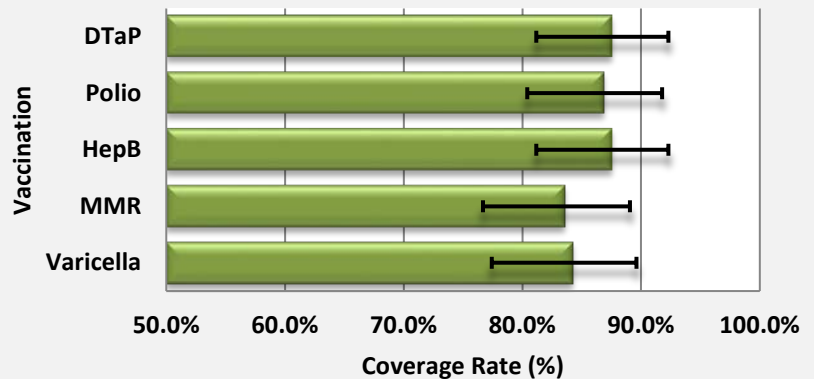
Magoffin County

152 Children in Kindergarten

156 Children in Sixth Grade



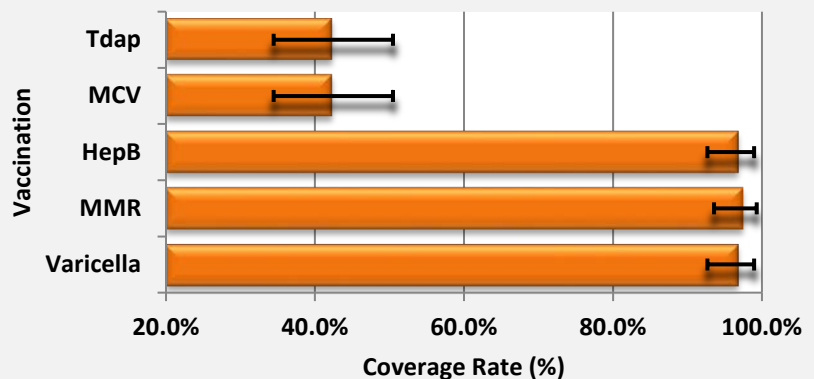
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	87.5%	97.4%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	12.5%	2.6%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Magoffin County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	87.5	108	94.0	94.2	Not Met
3+	Polio	86.8	111	94.5	-----	Not Met
3+	HepB	87.5	107	94.0	-----	Not Met
2	MMR	83.6	111	92.3	94.0	Not Met
2	Varicella	84.2	108	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	42.3	119	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	42.3	119	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	96.8	94	97.4	-----	(95%) Met
2	MMR	97.4	86	97.8	-----	(95%) Met
2	Varicella	96.8	96	98.0	81.0 (±1.2)	(90%) Met

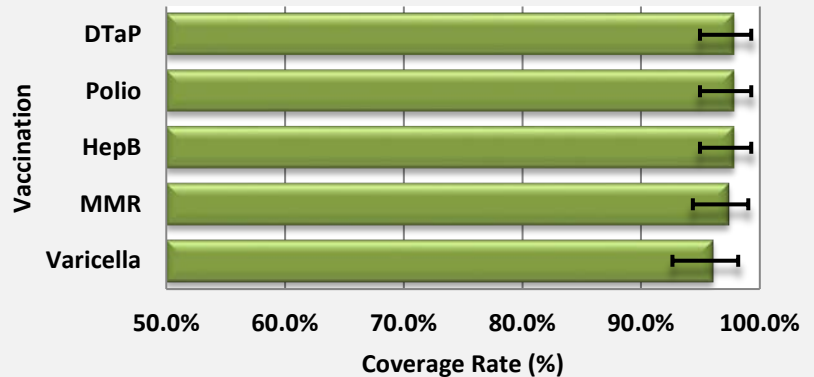
Marion County

228 Children in Kindergarten

265 Children in Sixth Grade



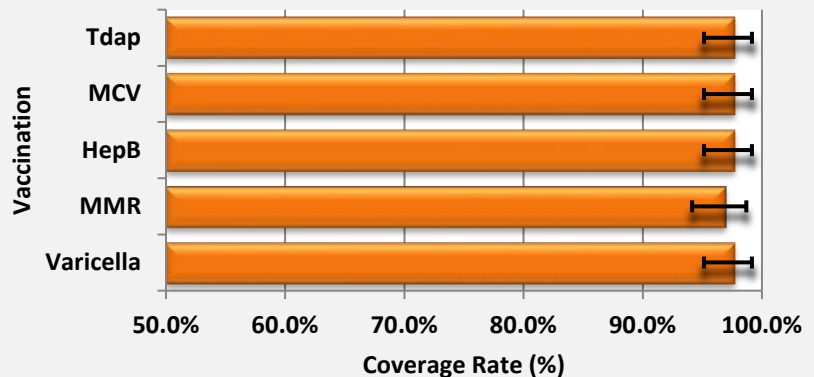
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.8%	97.7%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	2.2%	2.3%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Marion County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	97.8	33	94.0	94.2	Met
3+	Polio	97.8	39	94.5	-----	Met
3+	HepB	97.8	38	94.0	-----	Met
2	MMR	97.4	26	92.3	94.0	Met
2	Varicella	96.1	38	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	97.7	15	82.8	87.6 (±0.9)	(80%) Met
1	MCV	97.7	16	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	97.7	82	97.4	-----	(95%) Met
2	MMR	97.0	94	97.8	-----	(95%) Met
2	Varicella	97.7	84	98.0	81.0 (±1.2)	(90%) Met

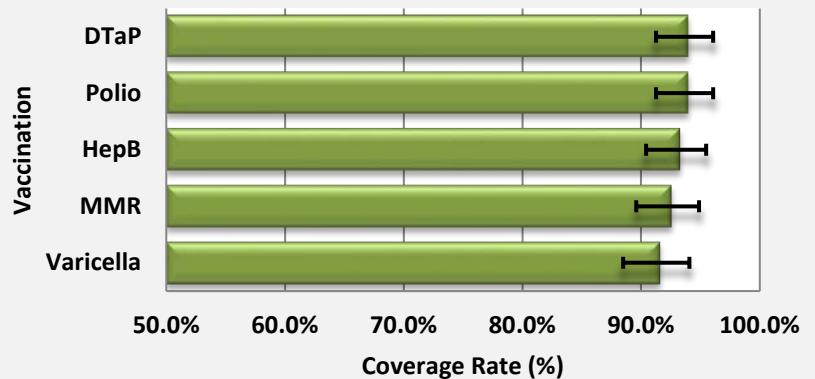
Marshall County

416 Children in Kindergarten

408 Children in Sixth Grade



School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	96.2%	98.5%
Medical Exemption	0.0%	0.0%
Religious Exemption	1.2%	0.5%
No Certificate on File	2.6%	1.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Marshall County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	94.0	80	94.0	94.2	Not Met
3+	Polio	94.0	80	94.5	-----	Not Met
3+	HepB	93.3	78	94.0	-----	Not Met
2	MMR	92.5	78	92.3	94.0	Not Met
2	Varicella	91.6	80	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	95.3	30	82.8	87.6 (±0.9)	(80%) Met
1	MCV	95.1	30	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.3	73	97.4	-----	(95%) Met
2	MMR	98.5	54	97.8	-----	(95%) Met
2	Varicella	98.5	66	98.0	81.0 (±1.2)	(90%) Met

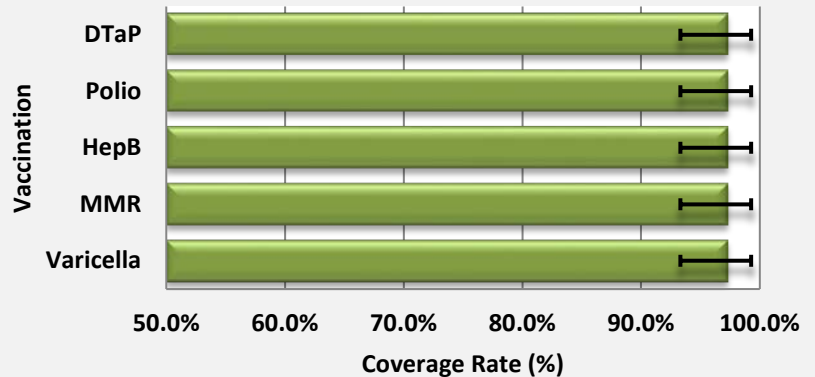
Martin County

150 Children in Kindergarten

147 Children in Sixth Grade



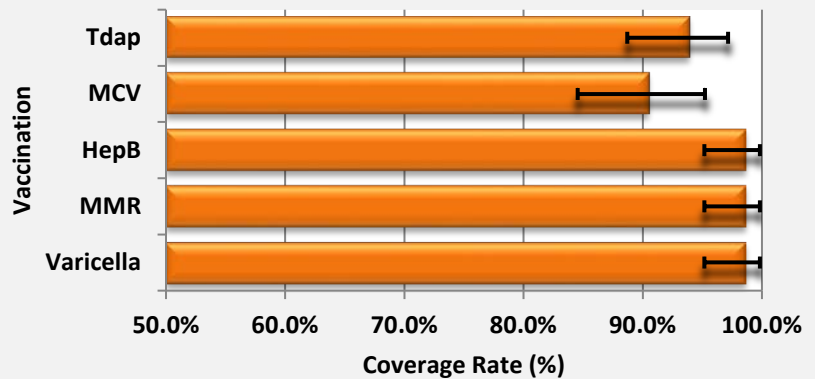
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.3%	98.6%
Medical Exemption	0.7%	0.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	2.0%	1.4%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Martin County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	97.3	43	94.0	94.2	Met
3+	Polio	97.3	46	94.5	-----	Met
3+	HepB	97.3	45	94.0	-----	Met
2	MMR	97.3	27	92.3	94.0	Met
2	Varicella	97.3	26	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	93.9	39	82.8	87.6 (±0.9)	(80%) Met
1	MCV	90.5	50	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.6	58	97.4	-----	(95%) Met
2	MMR	98.6	49	97.8	-----	(95%) Met
2	Varicella	98.6	61	98.0	81.0 (±1.2)	(90%) Met

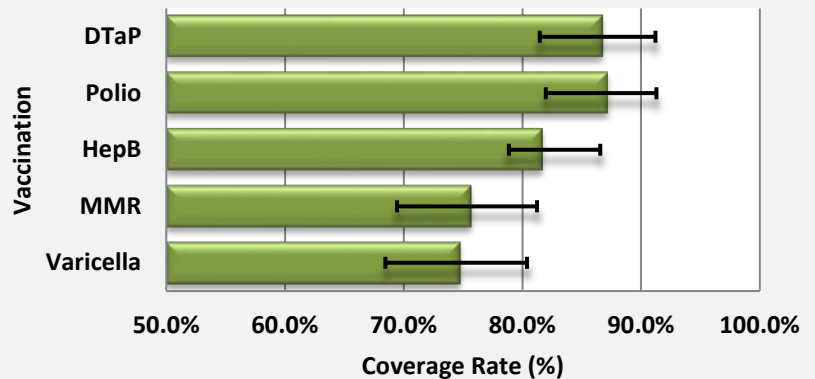
Mason County

218 Children in Kindergarten

226 Children in Sixth Grade



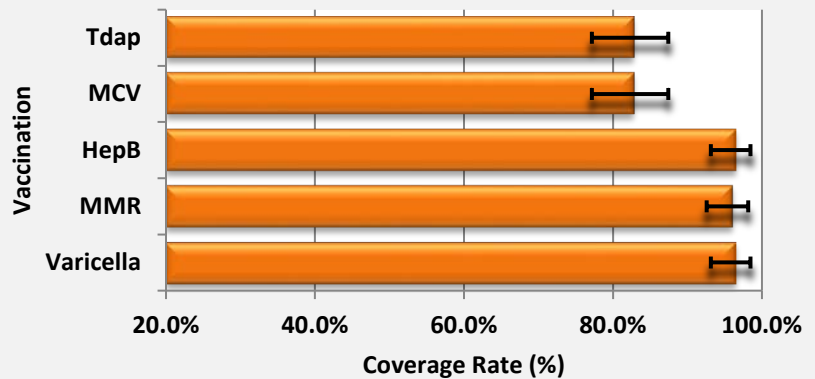
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	89.4%	98.2%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.5%	0.0%
No Certificate on File	10.1%	1.8%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Mason County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	86.7	112	94.0	94.2	Not Met
3+	Polio	87.2	110	94.5	-----	Not Met
3+	HepB	81.7	120	94.0	-----	Not Met
2	MMR	75.7	120	92.3	94.0	Not Met
2	Varicella	74.8	119	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	82.7	78	82.8	87.6 (±0.9)	(80%) Met
1	MCV	82.7	74	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	96.5	99	97.4	-----	(95%) Met
2	MMR	96.0	105	97.8	-----	(95%) Met
2	Varicella	96.5	102	98.0	81.0 (±1.2)	(90%) Met

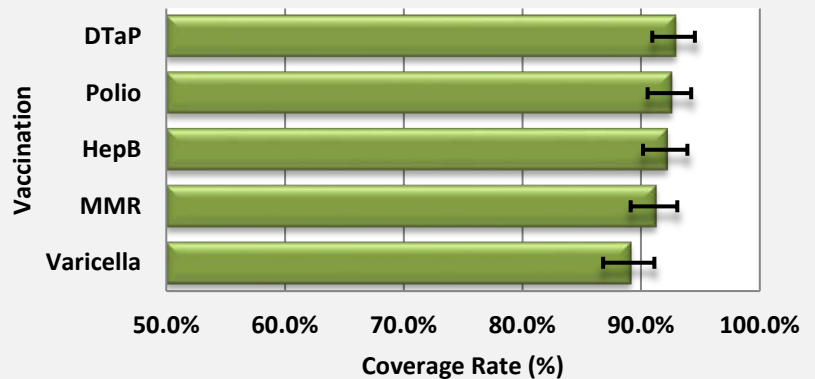
McCracken County

844 Children in Kindergarten

545 Children in Sixth Grade



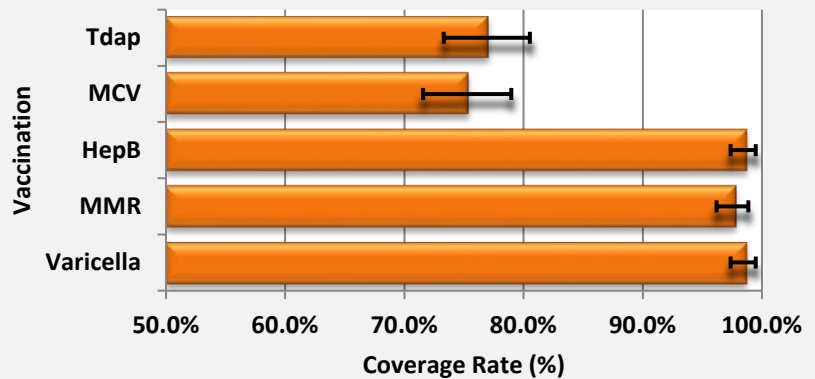
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	92.5%	98.0%
Medical Exemption	0.6%	0.4%
Religious Exemption	0.8%	1.1%
No Certificate on File	6.1%	0.5%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		McCracken County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	92.7	88	94.0	94.2	Not Met
3+	Polio	92.5	90	94.5	-----	Not Met
3+	HepB	92.2	89	94.0	-----	Not Met
2	MMR	91.2	87	92.3	94.0	Not Met
2	Varicella	89.1	89	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	77.1	88	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	75.4	89	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	98.7	54	97.4	-----	(95%) Met
2	MMR	97.8	79	97.8	-----	(95%) Met
2	Varicella	98.7	59	98.0	81.0 (±1.2)	(90%) Met

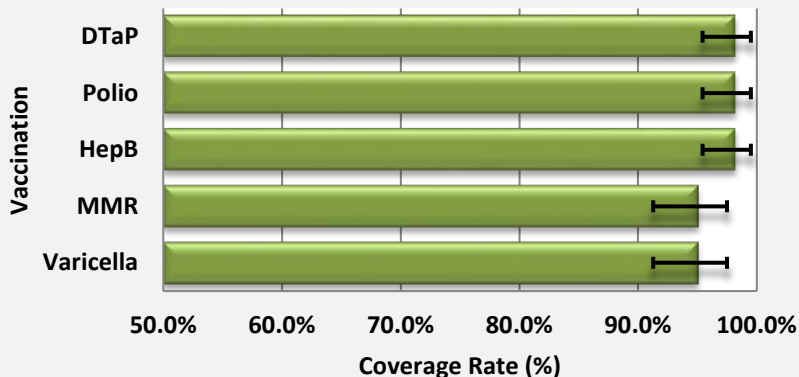
McCreary County

221 Children in Kindergarten

224 Children in Sixth Grade



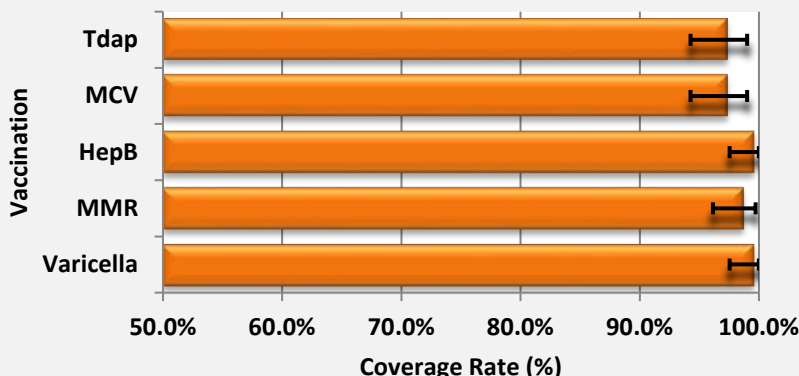
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	98.5%	97.0%
Medical Exemption	0.5%	2.2%
Religious Exemption	0.5%	0.4%
No Certificate on File	0.5%	0.4%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		McCreary County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.2	24	94.0	94.2	Met
3+	Polio	98.2	35	94.5	-----	Met
3+	HepB	98.2	29	94.0	-----	Met
2	MMR	95.0	51	92.3	94.0	Met
2	Varicella	95.0	49	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	97.3	17	82.8	87.6 (±0.9)	(80%) Met
1	MCV	97.3	17	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.6	24	97.4	-----	(95%) Met
2	MMR	98.7	48	97.8	-----	(95%) Met
2	Varicella	99.6	35	98.0	81.0 (±1.2)	(90%) Met

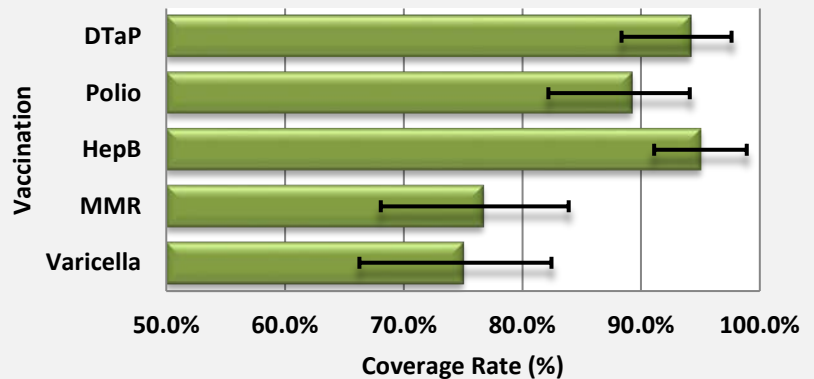
McLean County

120 Children in Kindergarten

129 Children in Sixth Grade



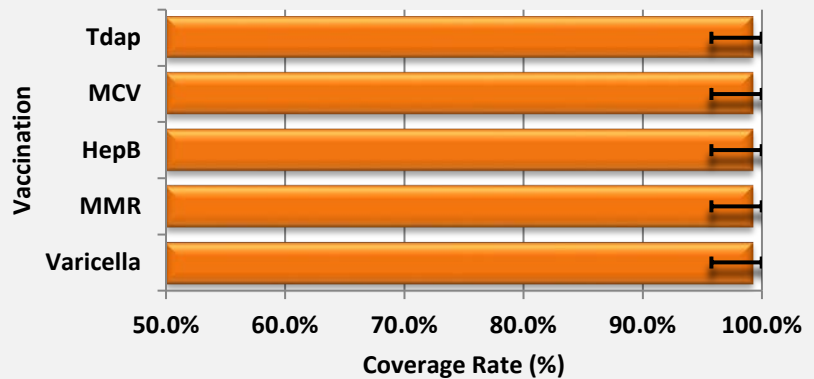
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	96.6%	99.2%
Medical Exemption	0.0%	0.8%
Religious Exemption	1.7%	0.0%
No Certificate on File	1.7%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		McLean County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	94.2	79	94.0	94.2	Not Met
3+	Polio	89.2	104	94.5	-----	Not Met
3+	HepB	95.0	66	94.0	-----	Met
2	MMR	76.7	119	92.3	94.0	Not Met
2	Varicella	75.0	118	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	99.2	7	82.8	87.6 (±0.9)	(80%) Met
1	MCV	99.2	5	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.2	37	97.4	-----	(95%) Met
2	MMR	99.2	34	97.8	-----	(95%) Met
2	Varicella	99.2	46	98.0	81.0 (±1.2)	(90%) Met

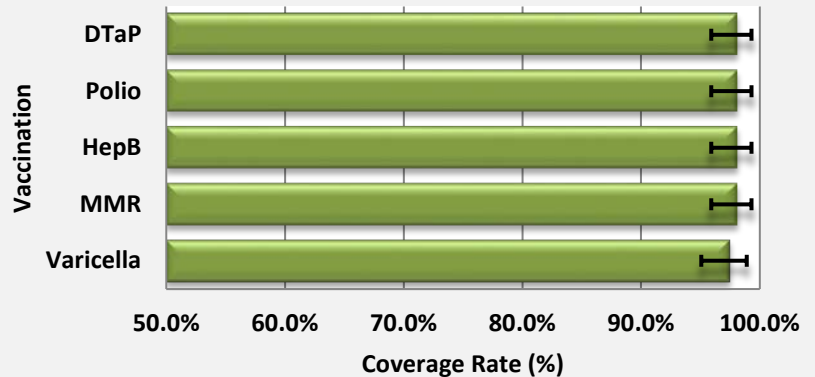
Meade County

316 Children in Kindergarten

378 Children in Sixth Grade



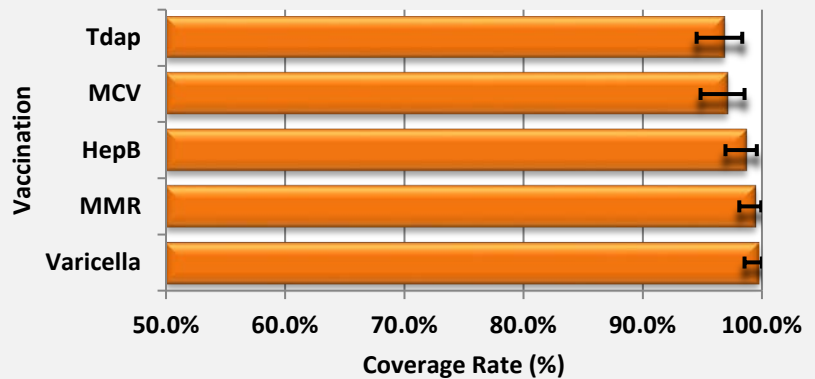
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	98.4%	98.4%
Medical Exemption	0.0%	0.5%
Religious Exemption	1.6%	0.8%
No Certificate on File	0.0%	0.3%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)

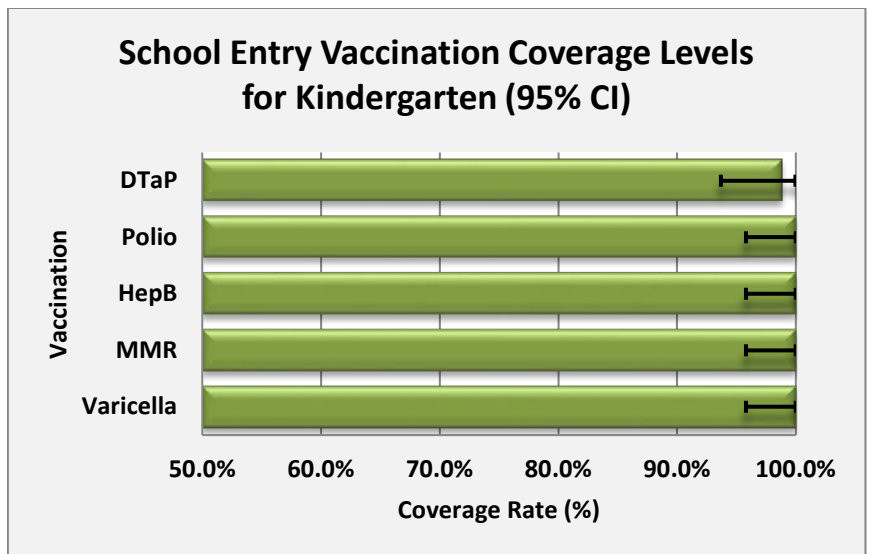


Age-Specific Group: Vaccines and Doses		Meade County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.1	26	94.0	94.2	Met
3+	Polio	98.1	37	94.5	-----	Met
3+	HepB	98.1	30	94.0	-----	Met
2	MMR	98.1	20	92.3	94.0	Met
2	Varicella	97.5	20	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	96.8	21	82.8	87.6 (±0.9)	(80%) Met
1	MCV	97.1	18	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.7	56	97.4	-----	(95%) Met
2	MMR	99.5	22	97.8	-----	(95%) Met
2	Varicella	99.7	31	98.0	81.0 (±1.2)	(90%) Met

Menifee County

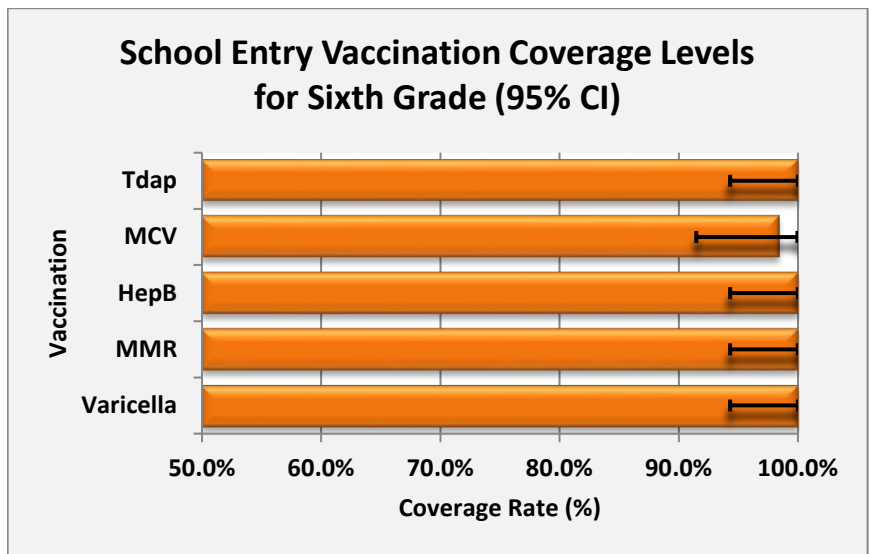
86 Children in Kindergarten

63 Children in Sixth Grade



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	100.0%	100.0%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	0.0%	0.0%



Age-Specific Group: Vaccines and Doses		Menifee County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.8	14	94.0	94.2	Met
3+	Polio	100.0	1	94.5	-----	Met
3+	HepB	100.0	1	94.0	-----	Met
2	MMR	100.0	1	92.3	94.0	Met
2	Varicella	100.0	1	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	100.0	1	82.8	87.6 (±0.9)	(80%) Met
1	MCV	98.4	11	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	100.0	1	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

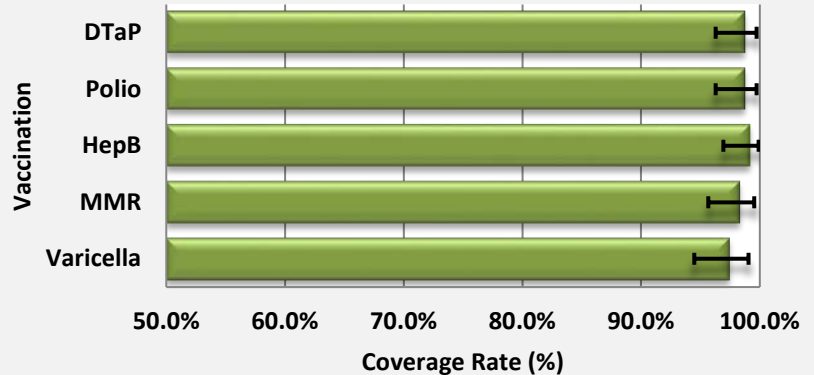
Mercer County

233 Children in Kindergarten

264 Children in Sixth Grade



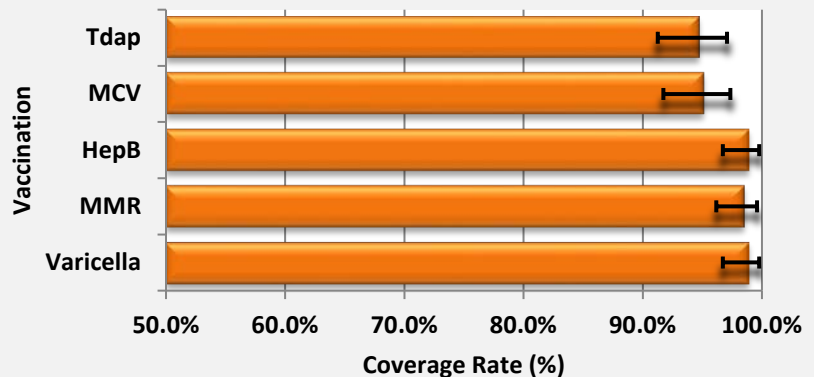
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	99.1%	98.9%
Medical Exemption	0.0%	0.7%
Religious Exemption	0.9%	0.4%
No Certificate on File	0.0%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Mercer County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.7	17	94.0	94.2	Met
3+	Polio	98.7	25	94.5	-----	Met
3+	HepB	99.1	13	94.0	-----	Met
2	MMR	98.3	16	92.3	94.0	Met
2	Varicella	97.4	24	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	94.7	33	82.8	87.6 (±0.9)	(80%) Met
1	MCV	95.1	31	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.9	49	97.4	-----	(95%) Met
2	MMR	98.5	59	97.8	-----	(95%) Met
2	Varicella	98.9	54	98.0	81.0 (±1.2)	(90%) Met

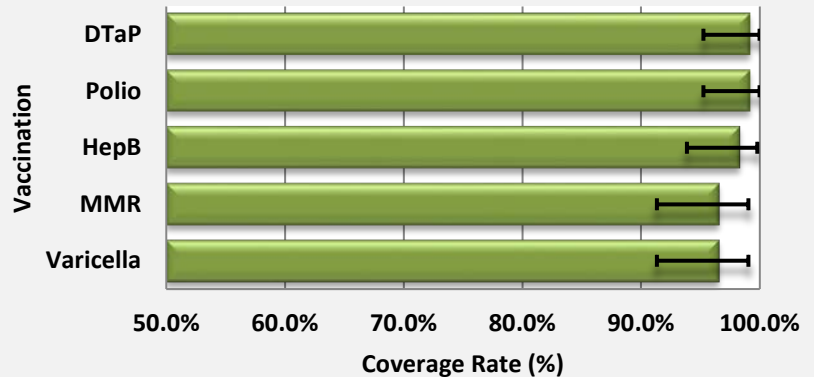
Metcalfe County

115 Children in Kindergarten

120 Children in Sixth Grade



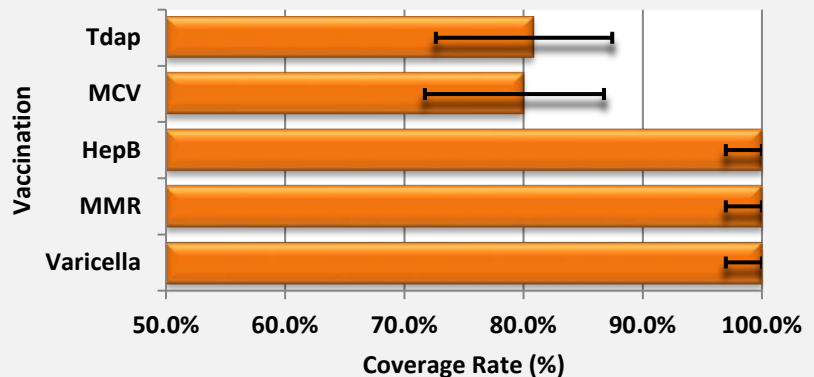
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	99.1%	100.0%
Medical Exemption	0.9%	0.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	0.0%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Metcalfe County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	99.1	10	94.0	94.2	Met
3+	Polio	99.1	16	94.5	-----	Met
3+	HepB	98.3	27	94.0	-----	Met
2	MMR	96.5	37	92.3	94.0	Met
2	Varicella	96.5	32	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	80.8	80	82.8	87.6 (±0.9)	(80%) Met
1	MCV	80.0	78	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	100.0	1	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

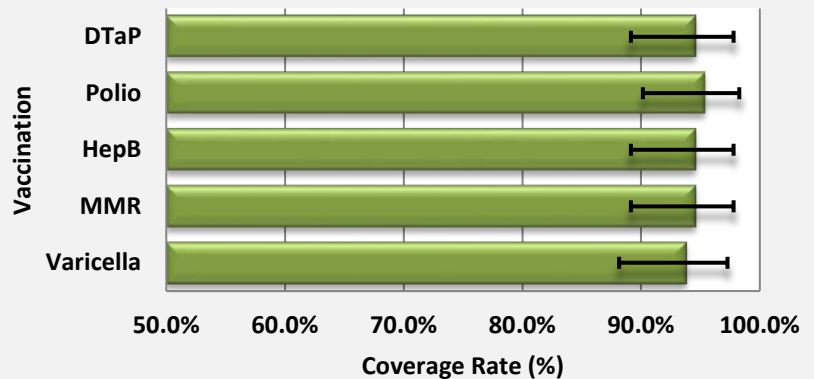
Monroe County

129 Children in Kindergarten

134 Children in Sixth Grade



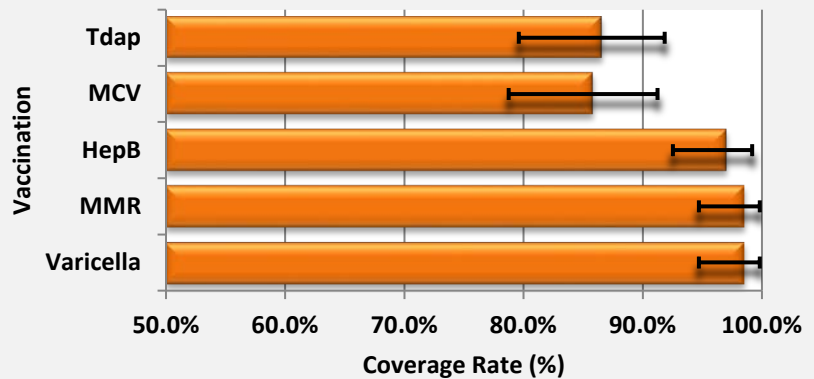
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	96.9%	99.3%
Medical Exemption	0.8%	0.7%
Religious Exemption	0.8%	0.0%
No Certificate on File	1.5%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Monroe County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	94.6	72	94.0	94.2	Not Met
3+	Polio	95.3	67	94.5	-----	Met
3+	HepB	94.6	72	94.0	-----	Not Met
2	MMR	94.6	55	92.3	94.0	Not Met
2	Varicella	93.8	60	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	86.6	70	82.8	87.6 (±0.9)	(80%) Met
1	MCV	85.8	69	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	97.0	90	97.4	-----	(95%) Met
2	MMR	98.5	57	97.8	-----	(95%) Met
2	Varicella	98.5	68	98.0	81.0 (±1.2)	(90%) Met

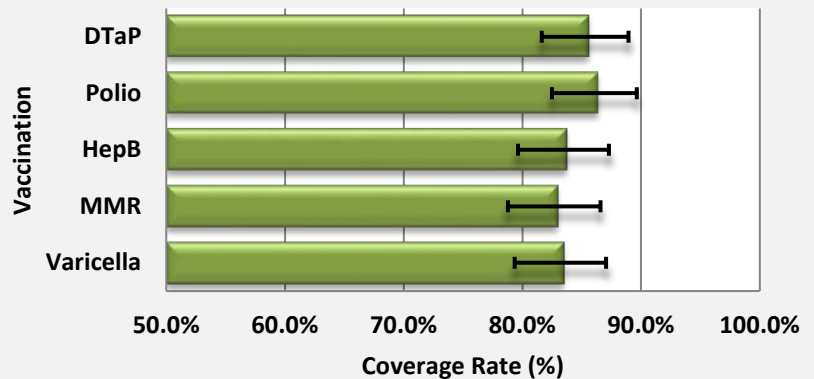
Montgomery County

381 Children in Kindergarten

349 Children in Sixth Grade



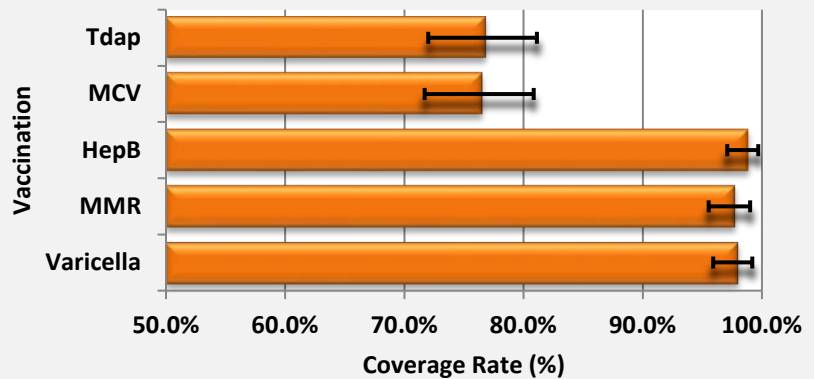
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	88.5%	98.0%
Medical Exemption	0.0%	0.8%
Religious Exemption	0.0%	0.4%
No Certificate on File	11.5%	0.8%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Montgomery County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	85.6	114	94.0	94.2	Not Met
3+	Polio	86.4	114	94.5	-----	Not Met
3+	HepB	83.7	114	94.0	-----	Not Met
2	MMR	82.9	113	92.3	94.0	Not Met
2	Varicella	83.5	111	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	76.8	89	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	76.5	84	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	98.9	50	97.4	-----	(95%) Met
2	MMR	97.7	82	97.8	-----	(95%) Met
2	Varicella	98.0	81	98.0	81.0 (±1.2)	(90%) Met

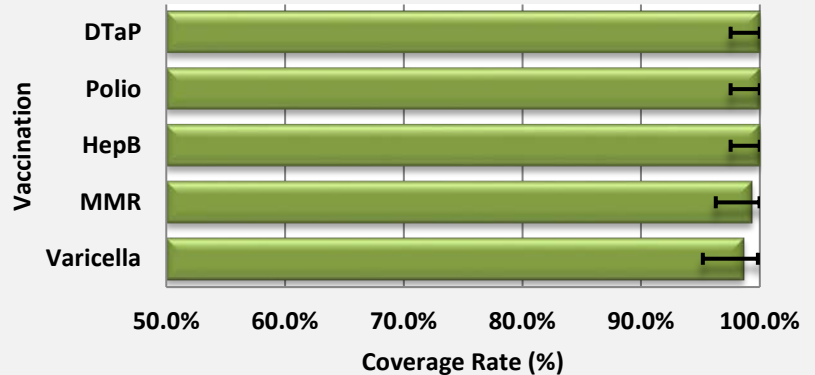
Morgan County

148 Children in Kindergarten

146 Children in Sixth Grade



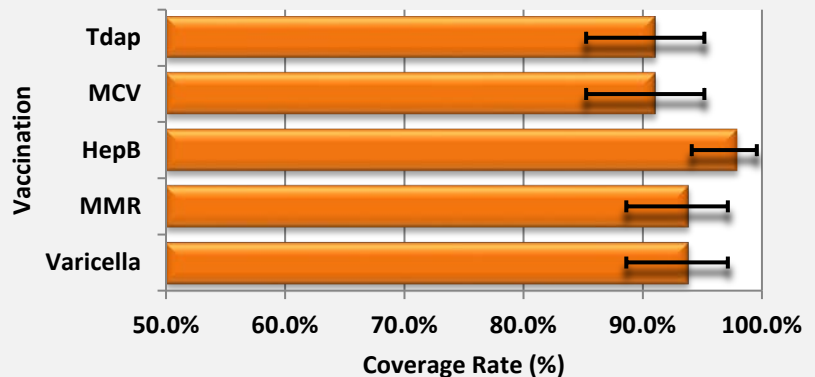
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	98.6%	97.9%
Medical Exemption	0.7%	0.0%
Religious Exemption	0.7%	0.0%
No Certificate on File	0.0%	2.1%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Morgan County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	100.0	1	94.0	94.2	Met
3+	Polio	100.0	1	94.5	-----	Met
3+	HepB	100.0	1	94.0	-----	Met
2	MMR	99.3	7	92.3	94.0	Met
2	Varicella	98.6	8	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	91.1	47	82.8	87.6 (±0.9)	(80%) Met
1	MCV	91.1	48	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	97.9	79	97.4	-----	(95%) Met
2	MMR	93.8	115	97.8	-----	(95%) Not Met
2	Varicella	93.8	114	98.0	81.0 (±1.2)	(90%) Met

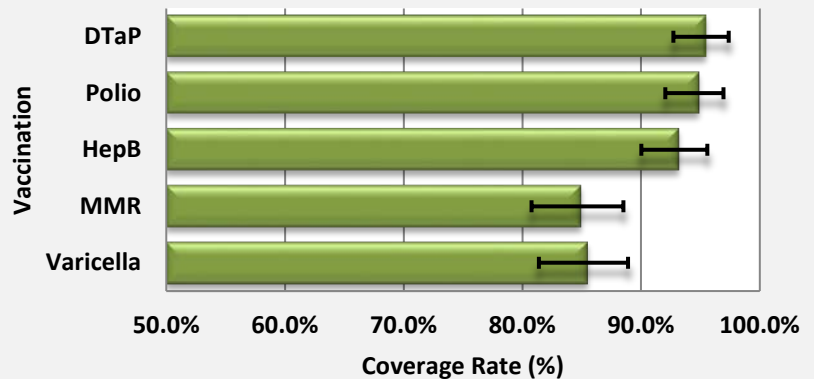
Muhlenberg County

352 Children in Kindergarten

376 Children in Sixth Grade



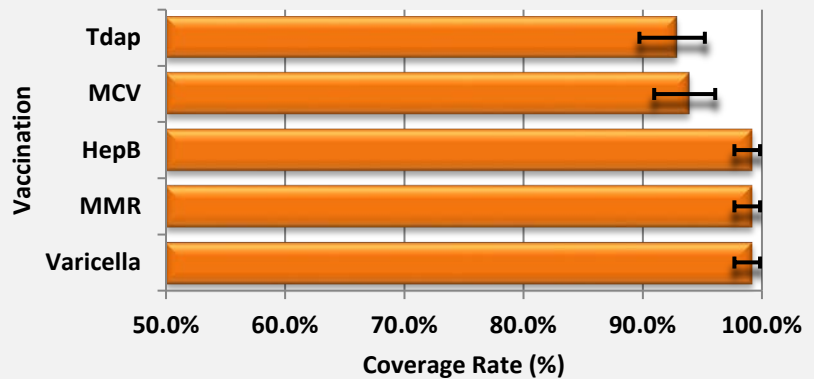
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	96.0%	98.7%
Medical Exemption	0.0%	0.8%
Religious Exemption	0.9%	0.0%
No Certificate on File	3.1%	0.5%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Muhlenberg County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	95.5	62	94.0	94.2	Met
3+	Polio	94.9	72	94.5	-----	Not Met
3+	HepB	93.2	79	94.0	-----	Not Met
2	MMR	84.9	107	92.3	94.0	Not Met
2	Varicella	85.5	102	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	92.8	45	82.8	87.6 (±0.9)	(80%) Met
1	MCV	93.9	34	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.2	38	97.4	-----	(95%) Met
2	MMR	99.2	35	97.8	-----	(95%) Met
2	Varicella	99.2	47	98.0	81.0 (±1.2)	(90%) Met

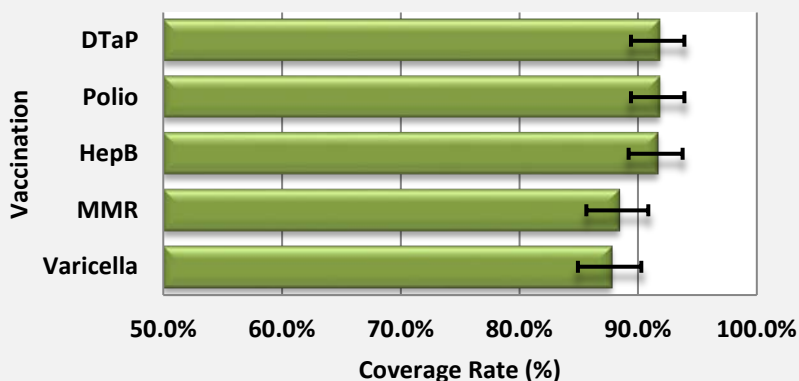
Nelson County

614 Children in Kindergarten

569 Children in Sixth Grade



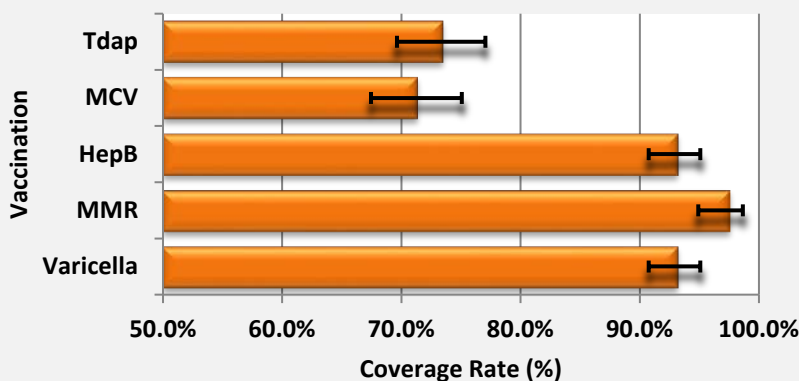
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	91.9%	82.1%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.1%	0.2%
No Certificate on File	8.0%	17.7 %

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Nelson County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	91.9	92	94.0	94.2	Not Met
3+	Polio	91.9	91	94.5	-----	Not Met
3+	HepB	91.7	91	94.0	-----	Not Met
2	MMR	88.4	96	92.3	94.0	Not Met
2	Varicella	87.8	94	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	73.5	96	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	71.4	95	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	93.1	116	97.4	-----	(95%) Not Met
2	MMR	97.5	84	97.8	-----	(95%) Met
2	Varicella	93.1	116	98.0	81.0 (±1.2)	(90%) Met

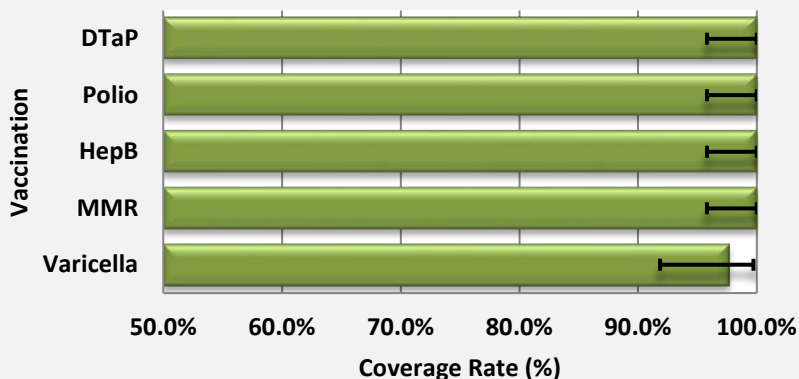
Nicholas County

86 Children in Kindergarten

83 Children in Sixth Grade



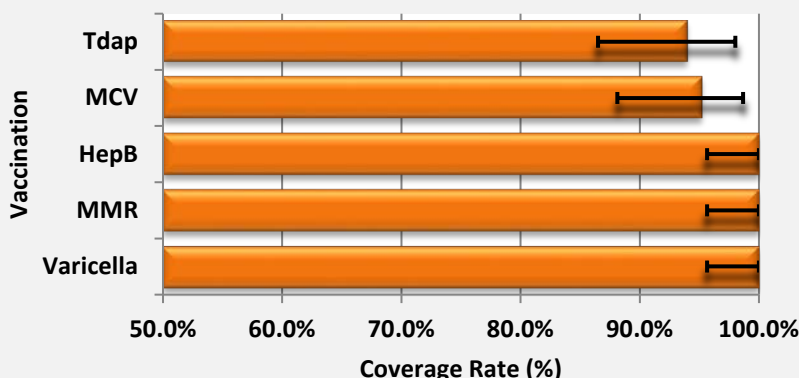
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	100.0%	100.0%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	0.0%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)

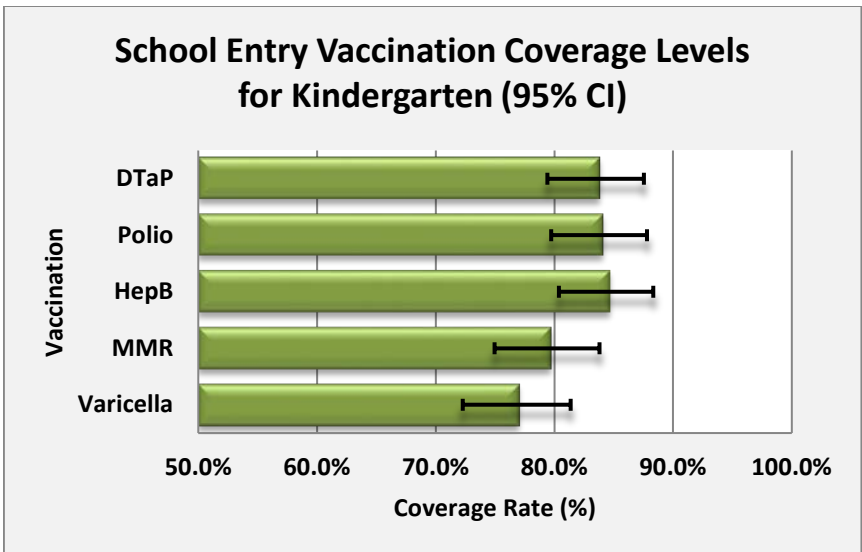


Age-Specific Group: Vaccines and Doses		Nicholas County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	100.0	1	94.0	94.2	Met
3+	Polio	100.0	1	94.5	-----	Met
3+	HepB	100.0	1	94.0	-----	Met
2	MMR	100.0	1	92.3	94.0	Met
2	Varicella	97.7	16	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	94.0	37	82.8	87.6 (±0.9)	(80%) Met
1	MCV	95.2	29	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	100.0	1	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

Ohio County

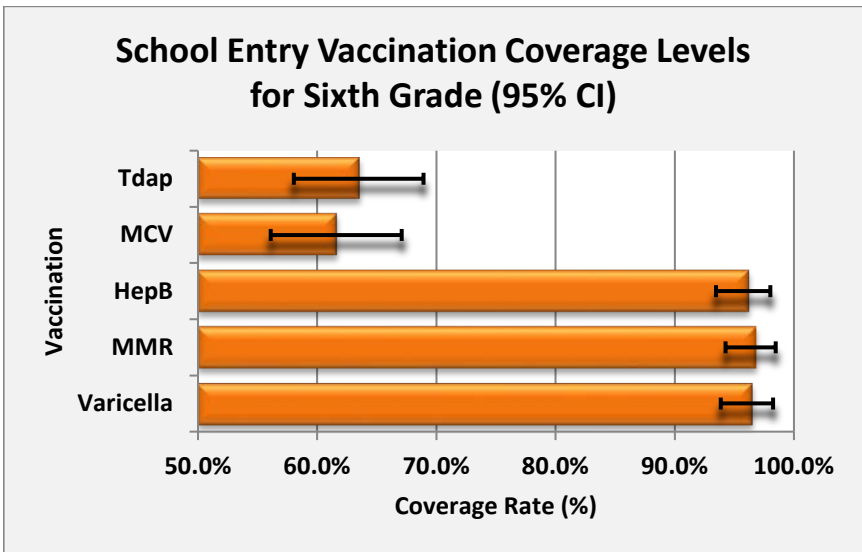
339 Children in Kindergarten

316 Children in Sixth Grade



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	85.5%	96.5%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.3%
No Certificate on File	14.5%	3.2%



Age-Specific Group: Vaccines and Doses		Ohio County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	83.8	116	94.0	94.2	Not Met
3+	Polio	84.1	118	94.5	-----	Not Met
3+	HepB	84.7	113	94.0	-----	Not Met
2	MMR	79.6	115	92.3	94.0	Not Met
2	Varicella	77.0	115	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	63.6	106	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	61.7	106	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	96.2	105	97.4	-----	(95%) Met
2	MMR	96.8	97	97.8	-----	(95%) Met
2	Varicella	96.5	101	98.0	81.0 (±1.2)	(90%) Met

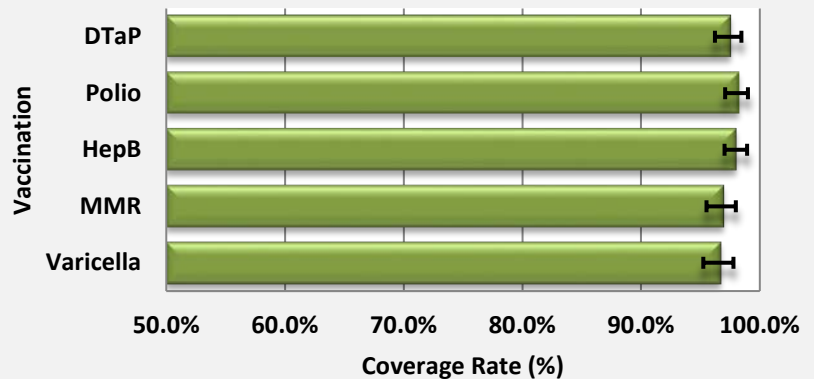
Oldham County

843 Children in Kindergarten

1,079 Children in Sixth Grade



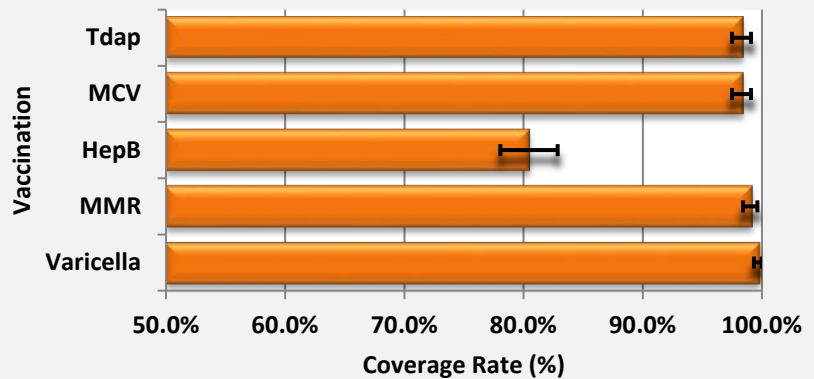
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	98.5%	98.9%
Medical Exemption	0.2%	0.2%
Religious Exemption	1.1%	0.9%
No Certificate on File	0.2%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)

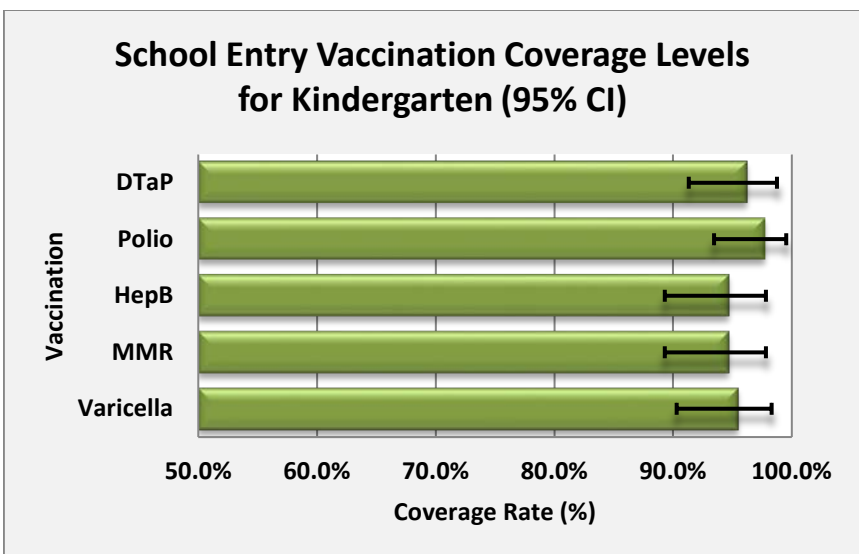


Age-Specific Group: Vaccines and Doses		Oldham County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	97.5	40	94.0	94.2	Met
3+	Polio	98.2	34	94.5	-----	Met
3+	HepB	98.0	33	94.0	-----	Met
2	MMR	96.9	31	92.3	94.0	Met
2	Varicella	96.7	31	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	98.4	11	82.8	87.6 (±0.9)	(80%) Met
1	MCV	98.4	10	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.1	43	97.4	-----	(95%) Not Met
2	MMR	99.2	36	97.8	-----	(95%) Met
2	Varicella	99.8	29	98.0	81.0 (±1.2)	(90%) Met

Owen County

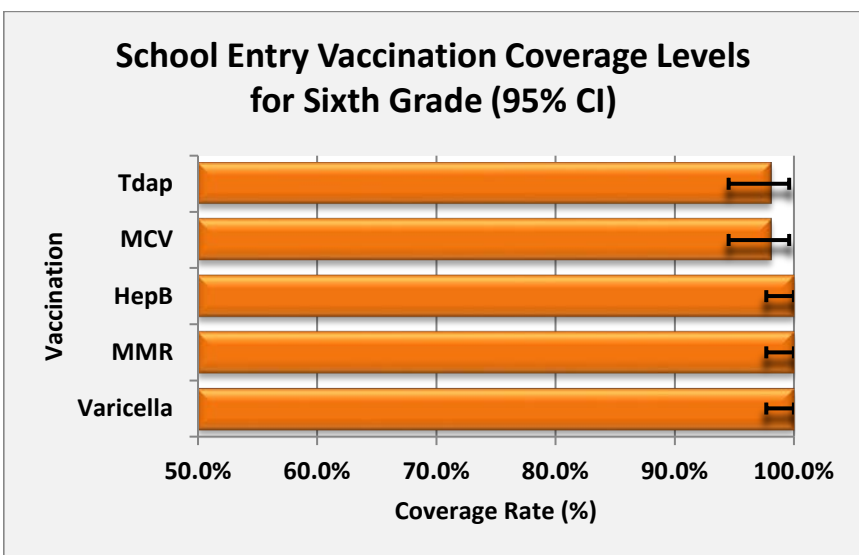
131 Children in Kindergarten

157 Children in Sixth Grade



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.7%	98.1%
Medical Exemption	0.0%	0.0%
Religious Exemption	2.3%	0.0%
No Certificate on File	0.0%	1.9%



Age-Specific Group: Vaccines and Doses		Owen County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	96.2	50	94.0	94.2	Met
3+	Polio	97.7	42	94.5	-----	Met
3+	HepB	94.7	70	94.0	-----	Not Met
2	MMR	94.7	54	92.3	94.0	Not Met
2	Varicella	95.4	43	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	98.1	14	82.8	87.6 (±0.9)	(80%) Met
1	MCV	98.1	14	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	100.0	1	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

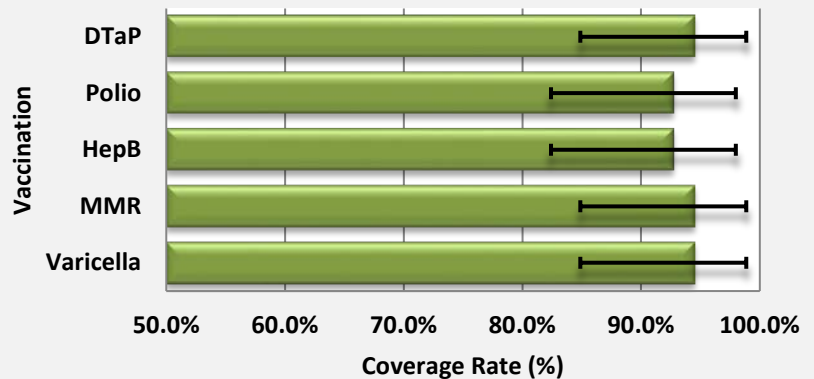
Owsley County

55 Children in Kindergarten

51 Children in Sixth Grade



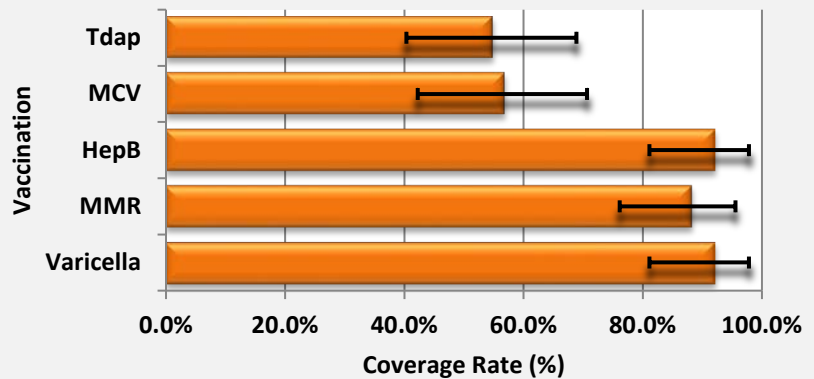
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	94.5%	98.0%
Medical Exemption	0.0%	2.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	5.5%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)

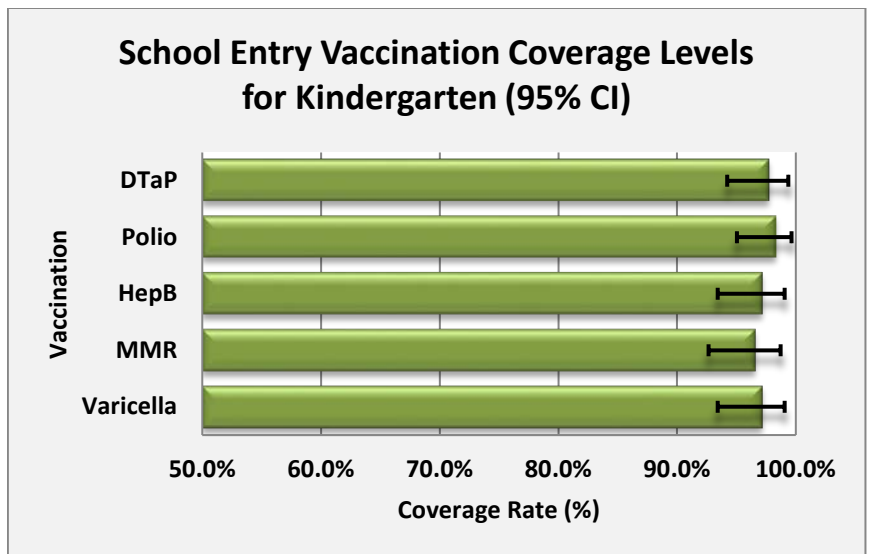


Age-Specific Group: Vaccines and Doses		Owsley County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	94.5	73	94.0	94.2	Not Met
3+	Polio	92.7	88	94.5	-----	Not Met
3+	HepB	92.7	84	94.0	-----	Not Met
2	MMR	94.5	57	92.3	94.0	Not Met
2	Varicella	94.5	54	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	54.9	110	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	56.9	108	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	92.2	117	97.4	-----	(95%) Not Met
2	MMR	88.2	118	97.8	-----	(95%) Not Met
2	Varicella	92.2	117	98.0	81.0 (±1.2)	(90%) Met

Pendleton County

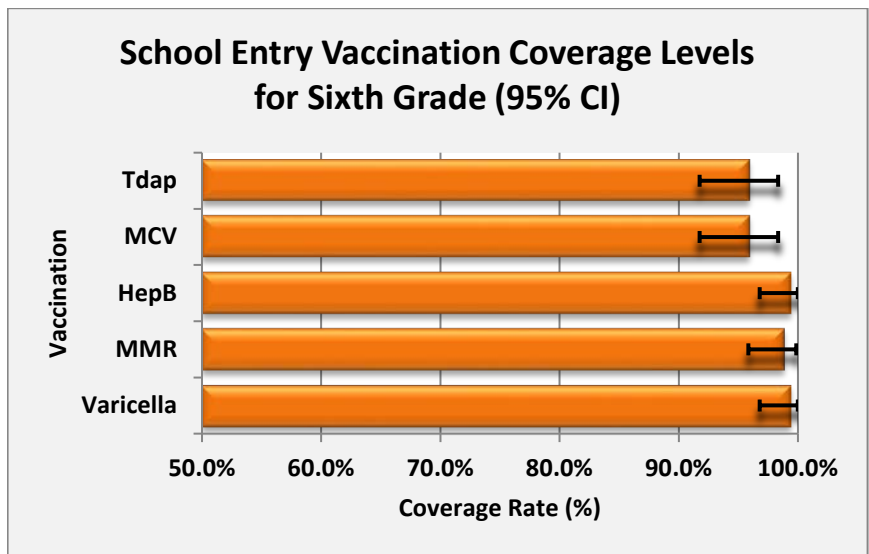
174 Children in Kindergarten

171 Children in Sixth Grade



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	100.0%	98.8%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.6%
No Certificate on File	0.0%	0.6%



Age-Specific Group: Vaccines and Doses		Pendleton County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	97.7	37	94.0	94.2	Met
3+	Polio	98.3	32	94.5	-----	Met
3+	HepB	97.1	46	94.0	-----	Met
2	MMR	96.6	35	92.3	94.0	Met
2	Varicella	97.1	29	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	95.9	25	82.8	87.6 (±0.9)	(80%) Met
1	MCV	95.9	26	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.4	30	97.4	-----	(95%) Met
2	MMR	98.8	44	97.8	-----	(95%) Met
2	Varicella	99.4	40	98.0	81.0 (±1.2)	(90%) Met

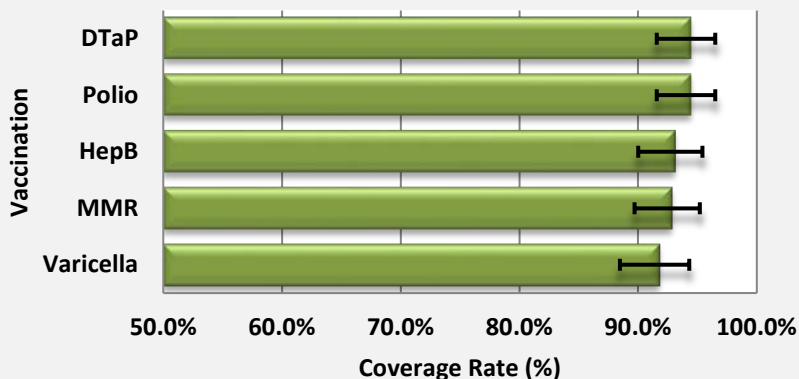
Perry County

375 Children in Kindergarten

328 Children in Sixth Grade



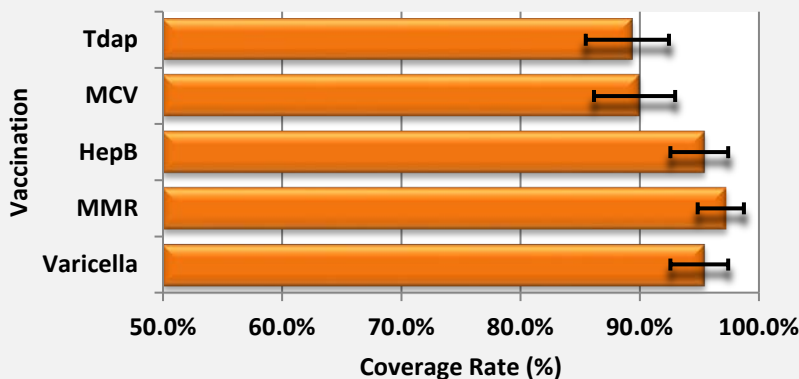
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	94.4%	96.7%
Medical Exemption	1.3%	1.2%
Religious Exemption	0.0%	0.0%
No Certificate on File	4.3%	2.1%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Perry County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	94.4	75	94.0	94.2	Not Met
3+	Polio	94.4	77	94.5	-----	Not Met
3+	HepB	93.1	80	94.0	-----	Not Met
2	MMR	92.8	75	92.3	94.0	Not Met
2	Varicella	91.7	79	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	89.3	60	82.8	87.6 (±0.9)	(80%) Met
1	MCV	89.9	51	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	95.4	111	97.4	-----	(95%) Met
2	MMR	97.3	90	97.8	-----	(95%) Met
2	Varicella	95.4	109	98.0	81.0 (±1.2)	(90%) Met

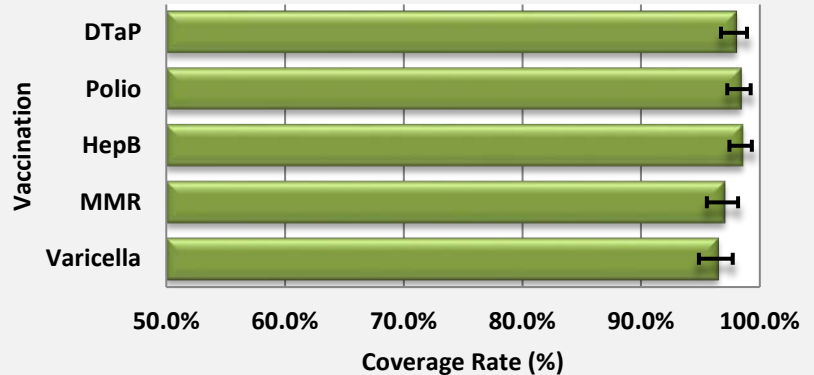
Pike County

714 Children in Kindergarten

782 Children in Sixth Grade



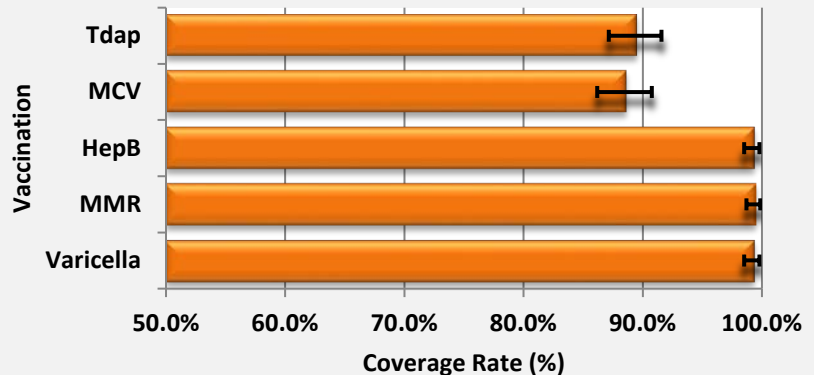
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.3%	99.1%
Medical Exemption	0.0%	0.3%
Religious Exemption	0.2%	0.3%
No Certificate on File	2.5%	0.3%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Pike County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.0	28	94.0	94.2	Met
3+	Polio	98.5	29	94.5	-----	Met
3+	HepB	98.6	22	94.0	-----	Met
2	MMR	97.1	30	92.3	94.0	Met
2	Varicella	96.5	33	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	89.5	56	82.8	87.6 (±0.9)	(80%) Met
1	MCV	88.6	58	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.4	31	97.4	-----	(95%) Met
2	MMR	99.5	21	97.8	-----	(95%) Met
2	Varicella	99.4	42	98.0	81.0 (±1.2)	(90%) Met

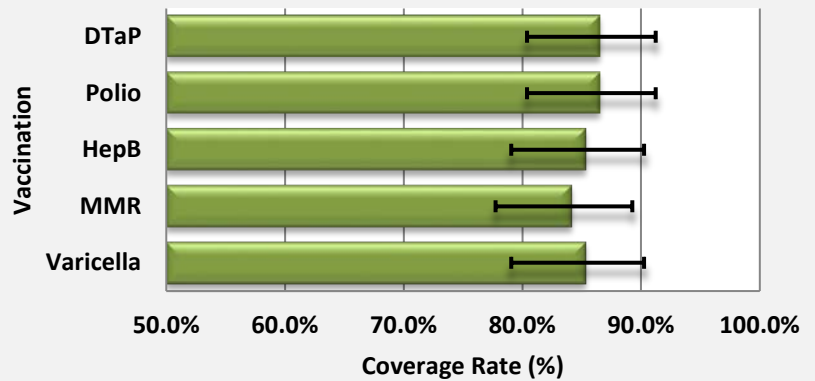
Powell County

170 Children in Kindergarten

197 Children in Sixth Grade



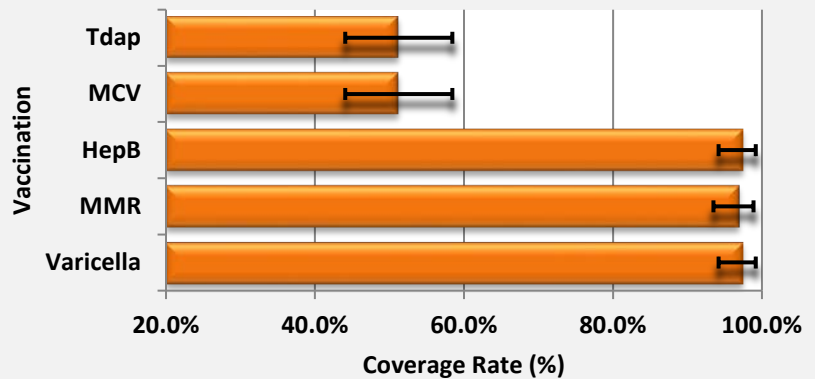
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	86.5%	97.0%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.5%
No Certificate on File	13.5%	2.5%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Powell County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	86.5	113	94.0	94.2	Not Met
3+	Polio	86.5	113	94.5	-----	Not Met
3+	HepB	85.3	112	94.0	-----	Not Met
2	MMR	84.1	110	92.3	94.0	Not Met
2	Varicella	85.3	103	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	51.3	115	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	51.3	113	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	97.5	86	97.4	-----	(95%) Met
2	MMR	97.0	96	97.8	-----	(95%) Met
2	Varicella	97.5	87	98.0	81.0 (±1.2)	(90%) Met

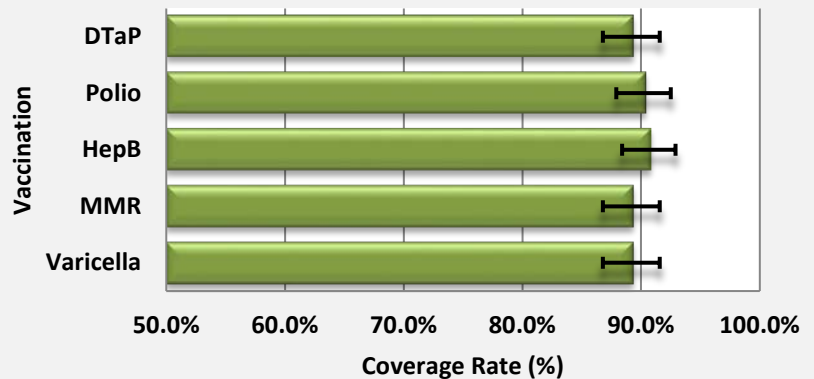
Pulaski County

676 Children in Kindergarten

827 Children in Sixth Grade



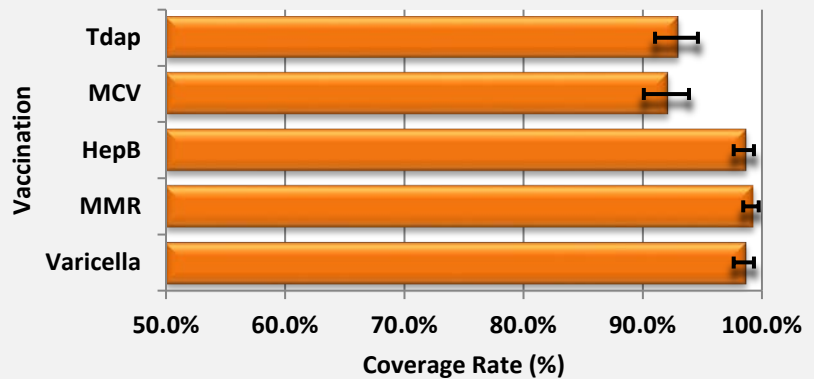
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	91.0%	99.0%
Medical Exemption	0.4%	0.4%
Religious Exemption	0.4%	0.2%
No Certificate on File	8.2%	0.4%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Pulaski County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	89.3	99	94.0	94.2	Not Met
3+	Polio	90.4	96	94.5	-----	Not Met
3+	HepB	90.8	93	94.0	-----	Not Met
2	MMR	89.3	92	92.3	94.0	Not Met
2	Varicella	89.3	88	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	93.0	44	82.8	87.6 (±0.9)	(80%) Met
1	MCV	92.1	43	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.7	57	97.4	-----	(95%) Met
2	MMR	99.3	32	97.8	-----	(95%) Met
2	Varicella	98.7	60	98.0	81.0 (±1.2)	(90%) Met

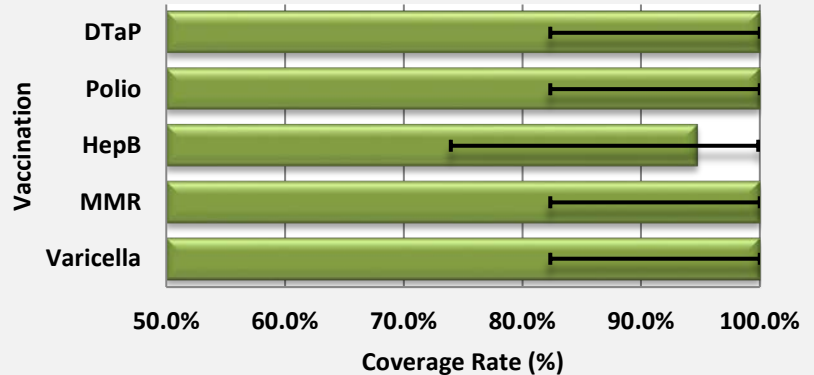
Robertson County

18 Children in Kindergarten

18 Children in Sixth Grade



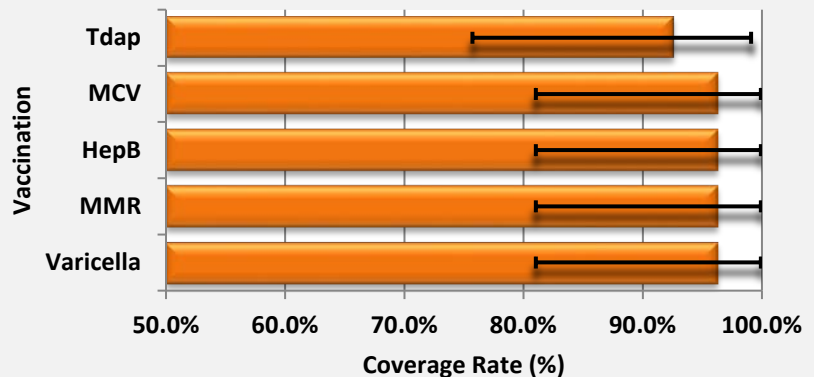
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	94.4%	100.0%
Medical Exemption	5.6%	0.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	0.0%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Robertson County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	100.0	1	94.0	94.2	Met
3+	Polio	100.0	1	94.5	-----	Met
3+	HepB	100.0	1	94.0	-----	Met
2	MMR	94.4	59	92.3	94.0	Not Met
2	Varicella	94.4	56	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	100.0	1	82.8	87.6 (±0.9)	(80%) Met
1	MCV	100.0	1	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	100.0	1	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

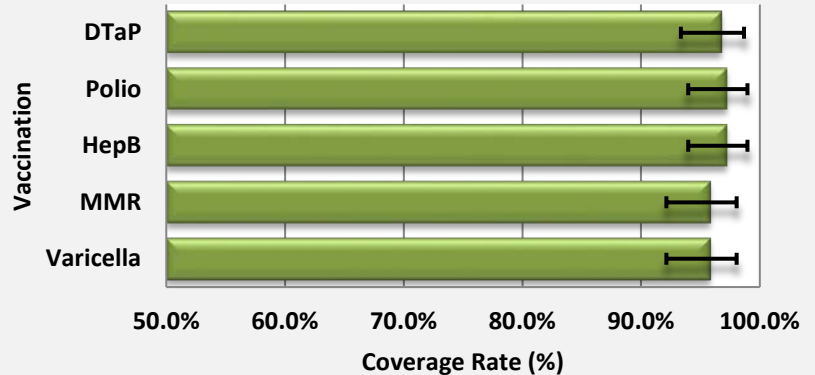
Rockcastle County

180 Children in Kindergarten

227 Children in Sixth Grade



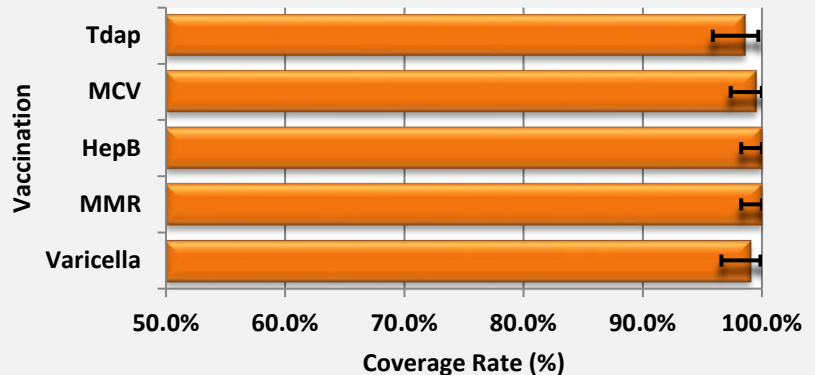
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	99.4%	98.2%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.6%	0.5%
No Certificate on File	0.0%	1.3%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Rockcastle County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	97.8	34	94.0	94.2	Met
3+	Polio	98.9	21	94.5	-----	Met
3+	HepB	98.3	25	94.0	-----	Met
2	MMR	98.3	15	92.3	94.0	Met
2	Varicella	98.3	10	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	98.2	12	82.8	87.6 (±0.9)	(80%) Met
1	MCV	98.2	12	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	100.0	1	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

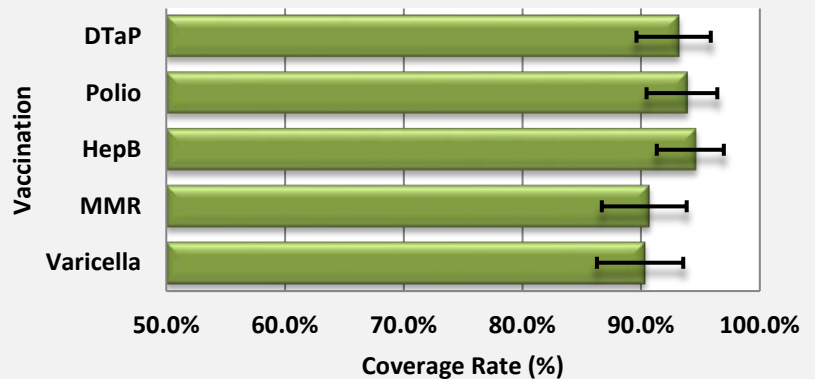
Rowan County

253 Children in Kindergarten

240 Children in Sixth Grade



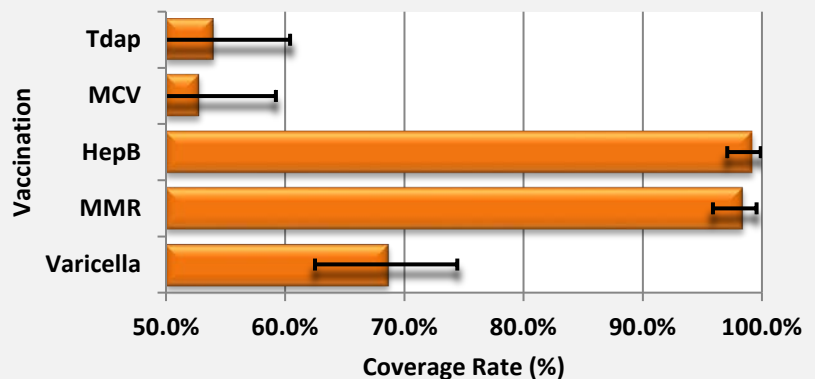
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	94.0%	95.4%
Medical Exemption	2.4%	0.4%
Religious Exemption	0.4%	1.3%
No Certificate on File	3.2%	2.9%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Rowan County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	93.3	85	94.0	94.2	Not Met
3+	Polio	94.1	78	94.5	-----	Not Met
3+	HepB	94.1	74	94.0	-----	Not Met
2	MMR	92.9	74	92.3	94.0	Not Met
2	Varicella	92.1	76	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	49.2	116	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	49.6	115	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	96.3	103	97.4	-----	(95%) Met
2	MMR	92.9	116	97.8	-----	(95%) Not Met
2	Varicella	93.3	115	98.0	81.0 (±1.2)	(90%) Met

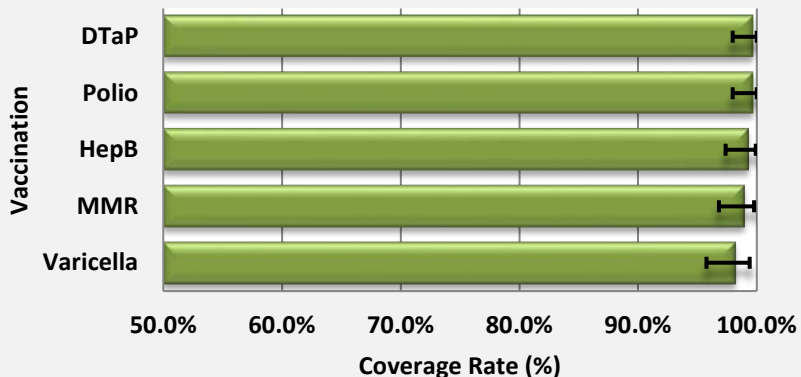
Russell County

272 Children in Kindergarten

207 Children in Sixth Grade



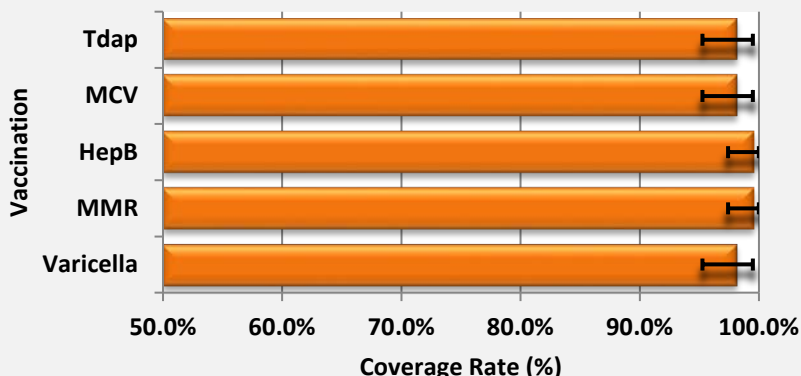
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	100.0%	99.5%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.5%
No Certificate on File	0.0%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Russell County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.2	25	94.0	94.2	Met
3+	Polio	99.3	14	94.5	-----	Met
3+	HepB	99.3	11	94.0	-----	Met
2	MMR	98.5	12	92.3	94.0	Met
2	Varicella	97.4	23	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	97.1	19	82.8	87.6 (±0.9)	(80%) Met
1	MCV	95.7	27	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.1	77	97.4	-----	(95%) Met
2	MMR	99.5	20	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

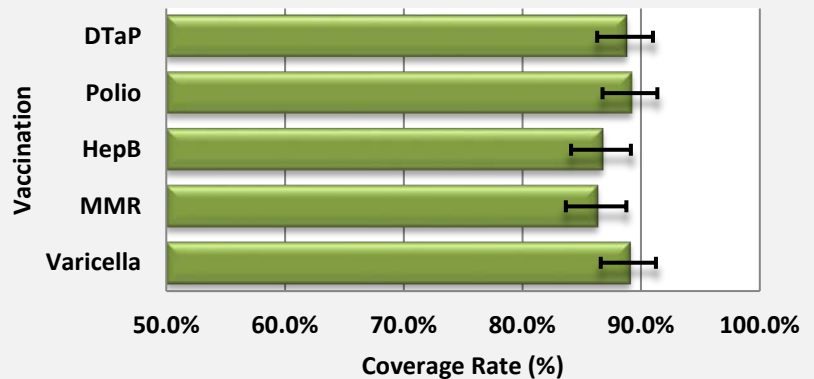
Scott County

844 Children in Kindergarten

568 Children in Sixth Grade



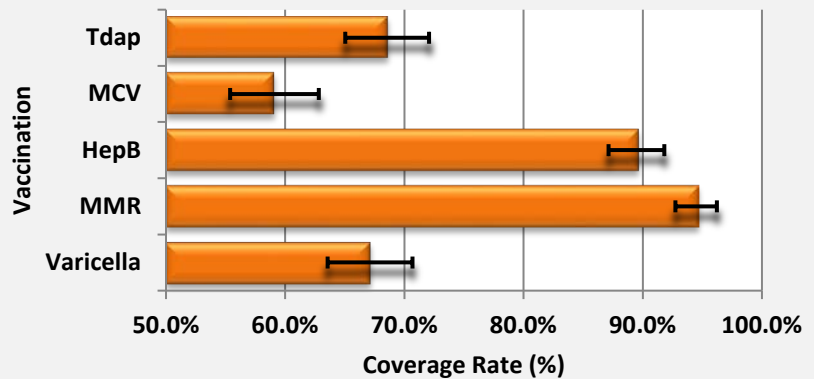
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	96.7%	96.8%
Medical Exemption	0.1%	0.2%
Religious Exemption	0.4%	0.5%
No Certificate on File	2.8%	2.5%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Scott County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	94.3	77	94.0	94.2	Not Met
3+	Polio	94.9	71	94.5	-----	Not Met
3+	HepB	96.4	54	94.0	-----	Met
2	MMR	94.2	63	92.3	94.0	Not Met
2	Varicella	92.8	69	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	71.8	97	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	71.7	94	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	96.3	102	97.4	-----	(95%) Met
2	MMR	96.8	98	97.8	-----	(95%) Met
2	Varicella	97.4	88	98.0	81.0 (±1.2)	(90%) Met

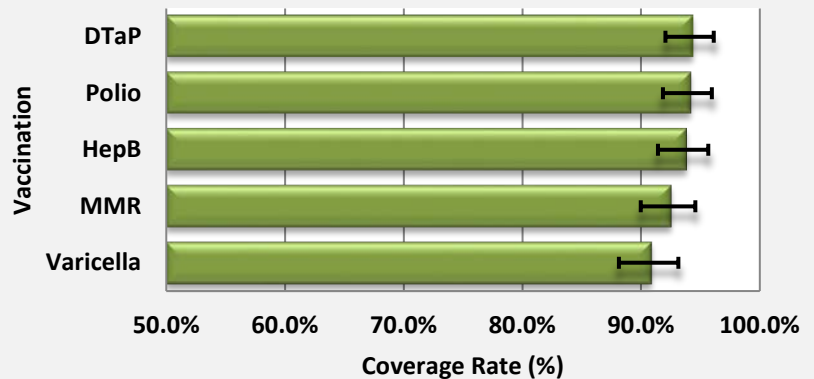
Shelby County

521 Children in Kindergarten

510 Children in Sixth Grade



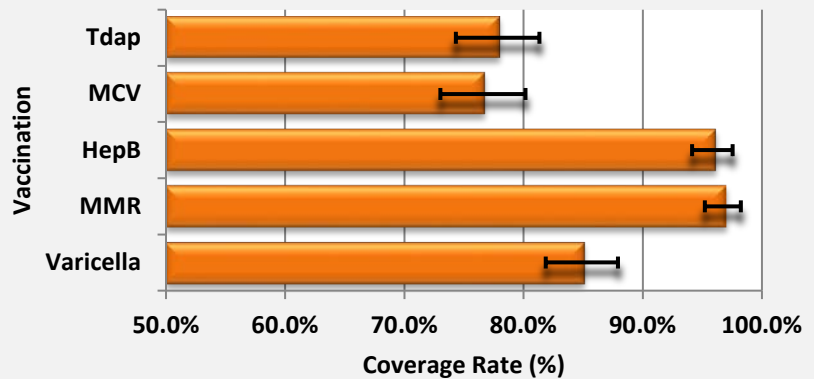
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.1%	98.0%
Medical Exemption	0.0%	0.0%
Religious Exemption	1.2%	0.4%
No Certificate on File	1.7%	1.6%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Shelby County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	96.2	51	94.0	94.2	Met
3+	Polio	95.8	62	94.5	-----	Met
3+	HepB	95.8	58	94.0	-----	Met
2	MMR	93.1	70	92.3	94.0	Not Met
2	Varicella	92.1	75	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	68.2	102	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	65.3	101	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	98.6	59	97.4	-----	(95%) Met
2	MMR	98.6	51	97.8	-----	(95%) Met
2	Varicella	99.0	50	98.0	81.0 (±1.2)	(90%) Met

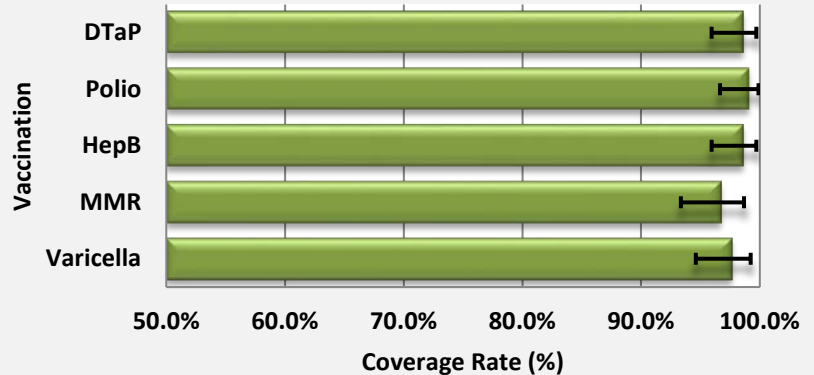
Simpson County

206 Children in Kindergarten

212 Children in Sixth Grade



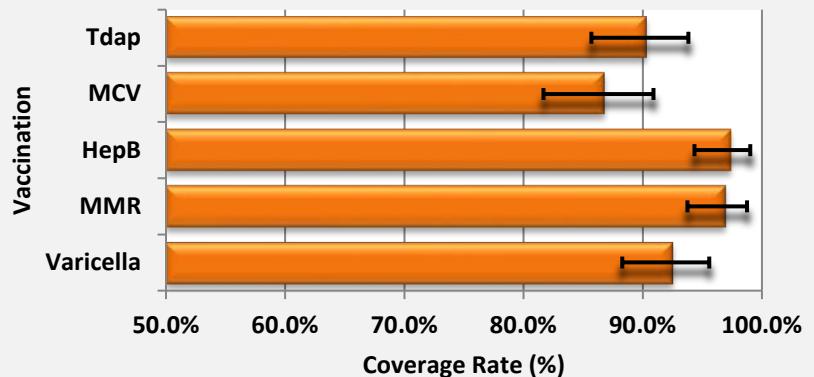
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	99.5%	100.0%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.5%	0.0%
No Certificate on File	0.0%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Simpson County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	99.5	9	94.0	94.2	Met
3+	Polio	99.5	9	94.5	-----	Met
3+	HepB	98.5	23	94.0	-----	Met
2	MMR	99.0	8	92.3	94.0	Met
2	Varicella	99.5	4	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	96.7%	22	82.8	87.6 (±0.9)	(80%) Met
1	MCV	94.8%	32	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0%	1	97.4	-----	(95%) Met
2	MMR	100.0%	1	97.8	-----	(95%) Met
2	Varicella	100.0%	1	98.0	81.0 (±1.2)	(90%) Met

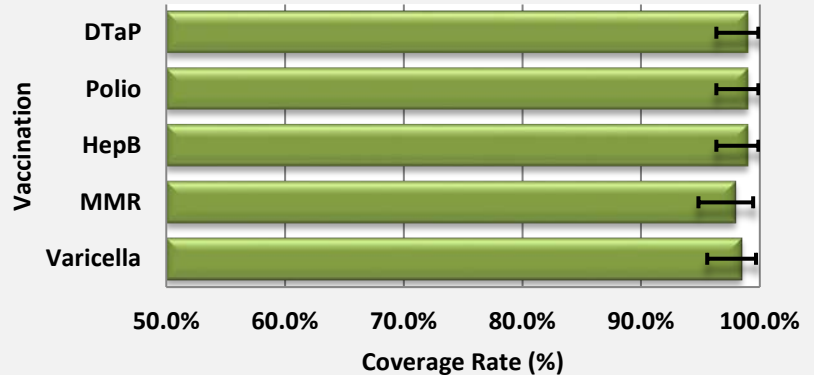
Spencer County

189 Children in Kindergarten

216 Children in Sixth Grade



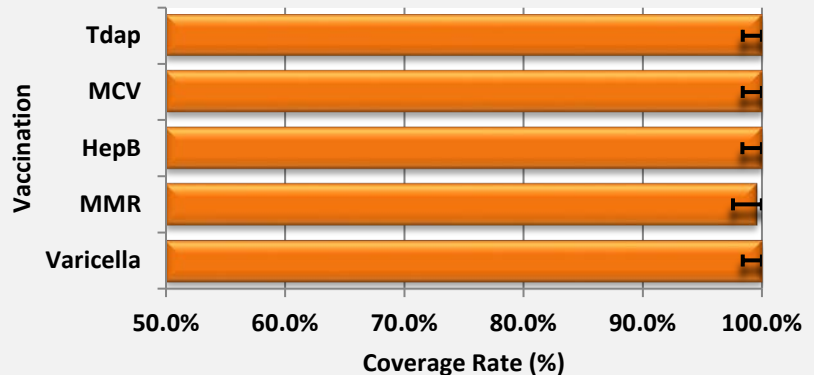
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.8%	100.0%
Medical Exemption	1.1%	0.0%
Religious Exemption	1.1%	0.0%
No Certificate on File	0.0%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Spencer County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.9	12	94.0	94.2	Met
3+	Polio	98.9	19	94.5	-----	Met
3+	HepB	98.9	15	94.0	-----	Met
2	MMR	98.4	13	92.3	94.0	Met
2	Varicella	97.9	14	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	100.0	1	82.8	87.6 (±0.9)	(80%) Met
1	MCV	100.0	1	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	100.0	1	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

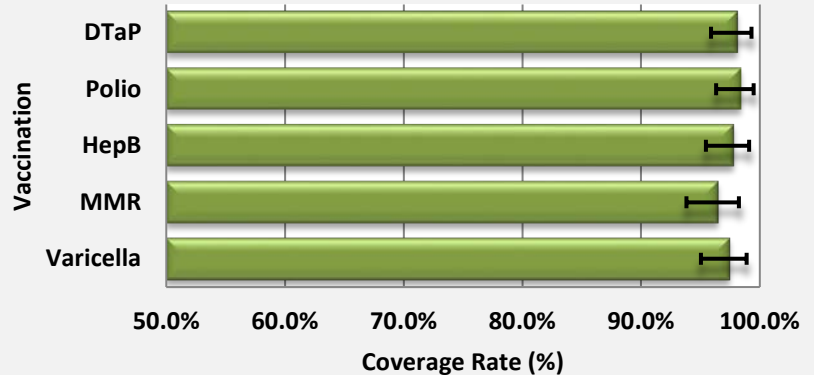
Taylor County

314 Children in Kindergarten

293 Children in Sixth Grade



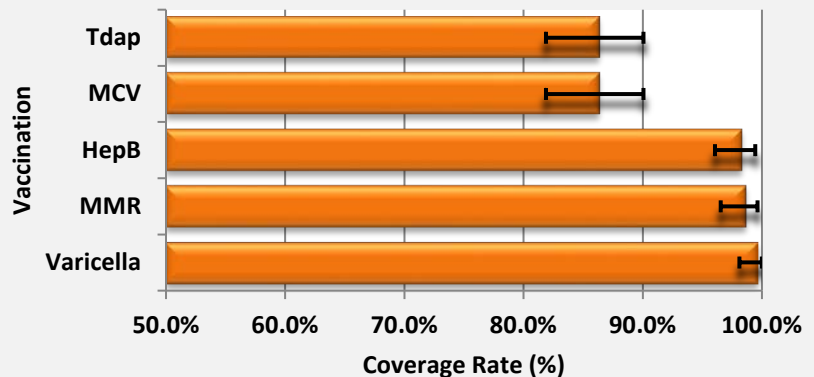
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	98.1%	97.0%
Medical Exemption	0.0%	1.0%
Religious Exemption	1.6%	1.0%
No Certificate on File	0.3%	1.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Taylor County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.1	27	94.0	94.2	Met
3+	Polio	98.4	30	94.5	-----	Met
3+	HepB	97.8	40	94.0	-----	Met
2	MMR	96.5	38	92.3	94.0	Met
2	Varicella	97.5	21	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	86.3	72	82.8	87.6 (±0.9)	(80%) Met
1	MCV	86.3	67	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.3	72	97.4	-----	(95%) Met
2	MMR	98.6	50	97.8	-----	(95%) Met
2	Varicella	99.7	33	98.0	81.0 (±1.2)	(90%) Met

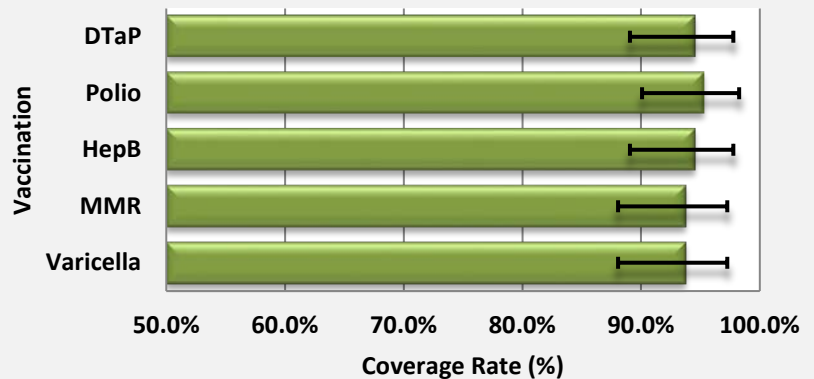
Todd County

128 Children in Kindergarten

155 Children in Sixth Grade



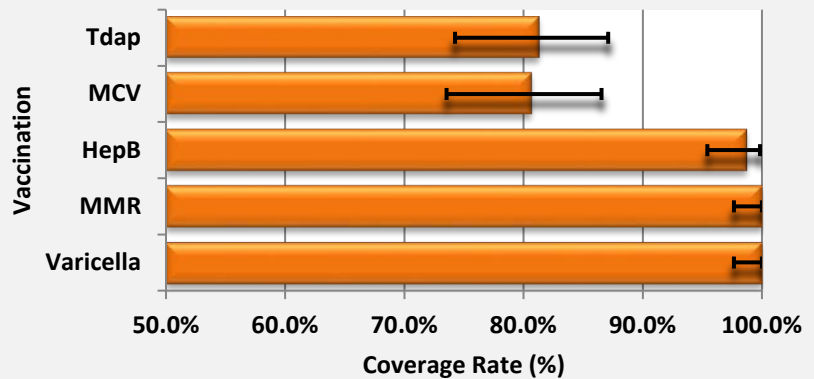
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	95.3%	100.0%
Medical Exemption	0.8%	0.0%
Religious Exemption	0.8%	0.0%
No Certificate on File	3.1%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Todd County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	94.5	74	94.0	94.2	Not Met
3+	Polio	95.3	68	94.5	-----	Met
3+	HepB	94.5	73	94.0	-----	Not Met
2	MMR	93.8	67	92.3	94.0	Not Met
2	Varicella	93.8	61	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	81.3	80	82.8	87.6 (±0.9)	(80%) Met
1	MCV	80.6	77	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.7	55	97.4	-----	(95%) Met
2	MMR	100.0	1	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

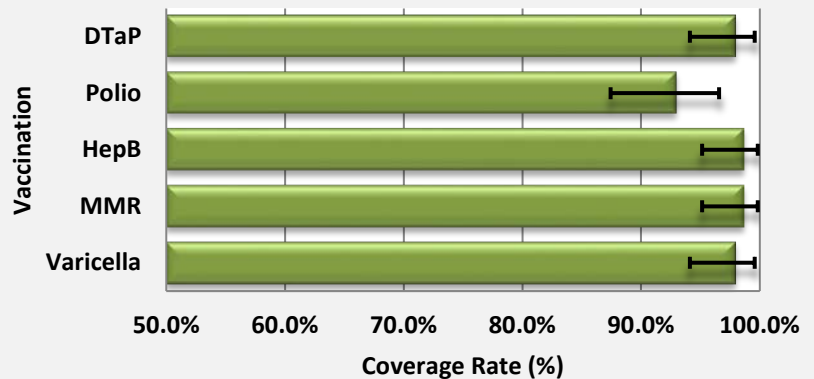
Trigg County

146 Children in Kindergarten

156 Children in Sixth Grade



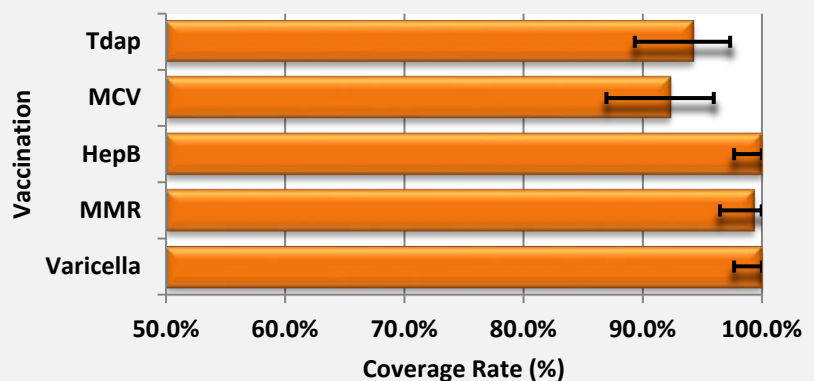
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	99.3%	99.4%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.6%
No Certificate on File	0.7%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Trigg County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	97.9	30	94.0	94.2	Met
3+	Polio	98.6	27	94.5	-----	Met
3+	HepB	98.6	21	94.0	-----	Met
2	MMR	97.9	22	92.3	94.0	Met
2	Varicella	97.9	13	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	94.2	35	82.8	87.6 (±0.9)	(80%) Met
1	MCV	92.3	42	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	99.4	27	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

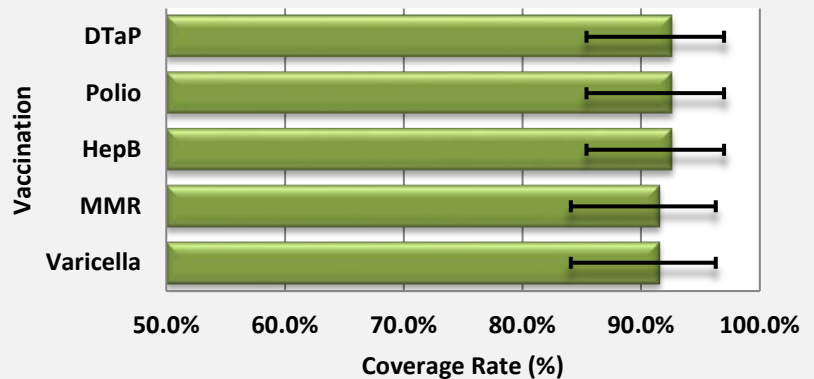
Trimble County

95 Children in Kindergarten

108 Children in Sixth Grade



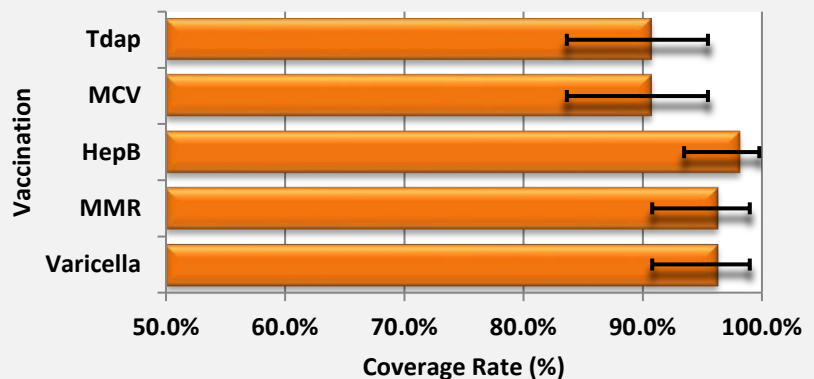
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	93.7%	97.2%
Medical Exemption	0.0%	0.9%
Religious Exemption	0.0%	0.0%
No Certificate on File	6.3%	1.9%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Trimble County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	92.6	89	94.0	94.2	Not Met
3+	Polio	92.6	89	94.5	-----	Not Met
3+	HepB	92.6	85	94.0	-----	Not Met
2	MMR	91.6	83	92.3	94.0	Not Met
2	Varicella	91.6	81	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	90.7	49	82.8	87.6 (±0.9)	(80%) Met
1	MCV	90.7	49	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.1	76	97.4	-----	(95%) Met
2	MMR	96.3	102	97.8	-----	(95%) Met
2	Varicella	96.3	104	98.0	81.0 (±1.2)	(90%) Met

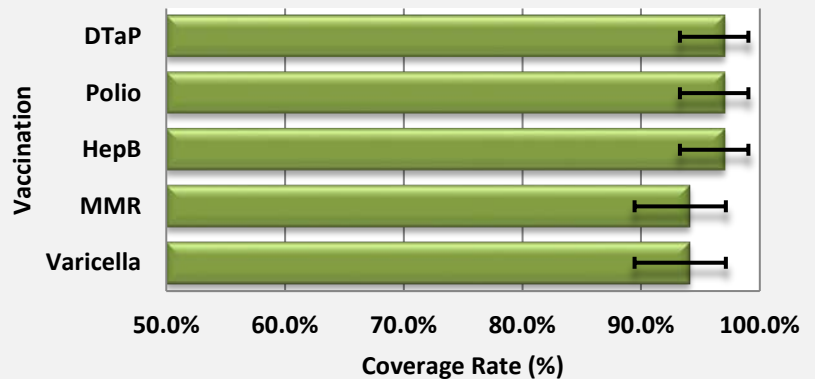
Union County

170 Children in Kindergarten

167 Children in Sixth Grade



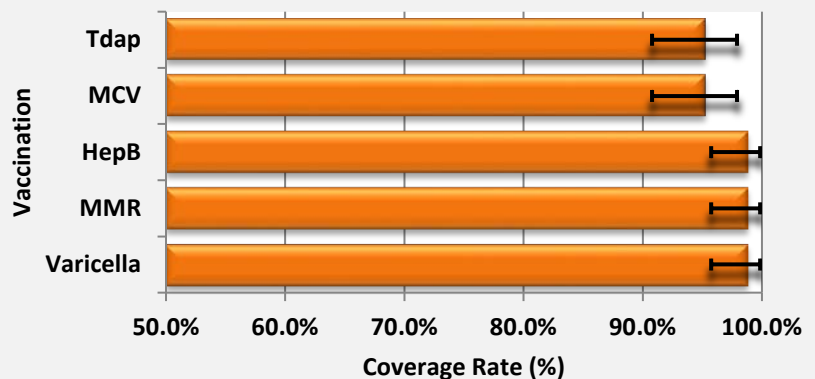
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.0%	98.8%
Medical Exemption	0.6%	0.6%
Religious Exemption	1.8%	0.0%
No Certificate on File	0.6%	0.6%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Union County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	97.1	44	94.0	94.2	Met
3+	Polio	97.1	48	94.5	-----	Met
3+	HepB	97.1	47	94.0	-----	Met
2	MMR	94.1	64	92.3	94.0	Not Met
2	Varicella	94.1	59	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	95.2	31	82.8	87.6 (±0.9)	(80%) Met
1	MCV	95.2	28	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	98.8	51	97.4	-----	(95%) Met
2	MMR	98.8	45	97.8	-----	(95%) Met
2	Varicella	98.8	57	98.0	81.0 (±1.2)	(90%) Met

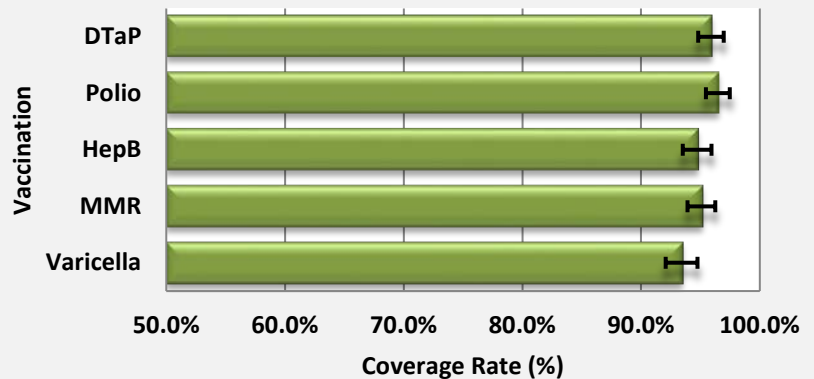
Warren County

1,370 Children in Kindergarten

1,349 Children in Sixth Grade



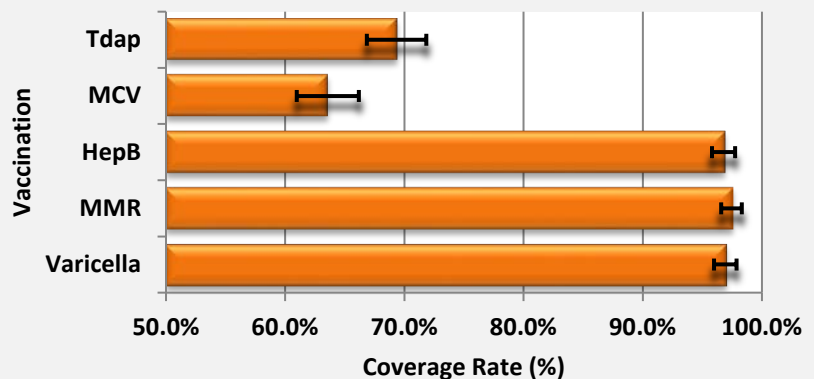
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	97.3%	96.6%
Medical Exemption	0.0%	1.5%
Religious Exemption	0.7%	0.4%
No Certificate on File	2.0%	1.5%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Warren County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	96.0	54	94.0	94.2	Met
3+	Polio	96.6	55	94.5	-----	Met
3+	HepB	94.8	68	94.0	-----	Not Met
2	MMR	95.2	49	92.3	94.0	Met
2	Varicella	93.5	64	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	69.4	100	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	63.6	104	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	96.9	92	97.4	-----	(95%) Met
2	MMR	97.6	83	97.8	-----	(95%) Met
2	Varicella	97.0	92	98.0	81.0 (±1.2)	(90%) Met

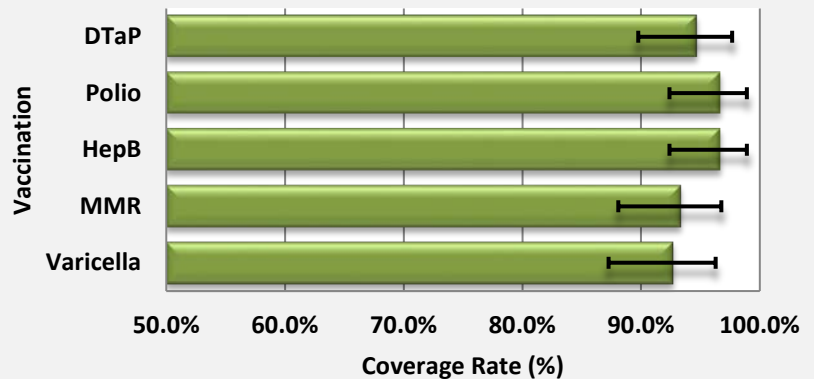
Washington County

150 Children in Kindergarten

144 Children in Sixth Grade



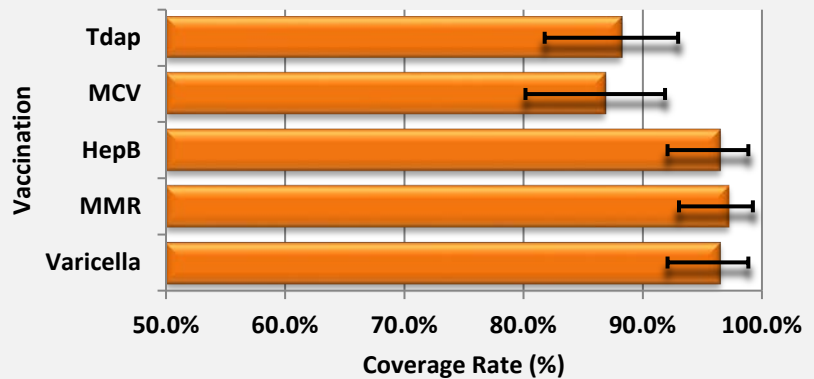
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	96.6%	97.2%
Medical Exemption	0.0%	0.7%
Religious Exemption	0.7%	1.4%
No Certificate on File	2.7%	0.7%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)

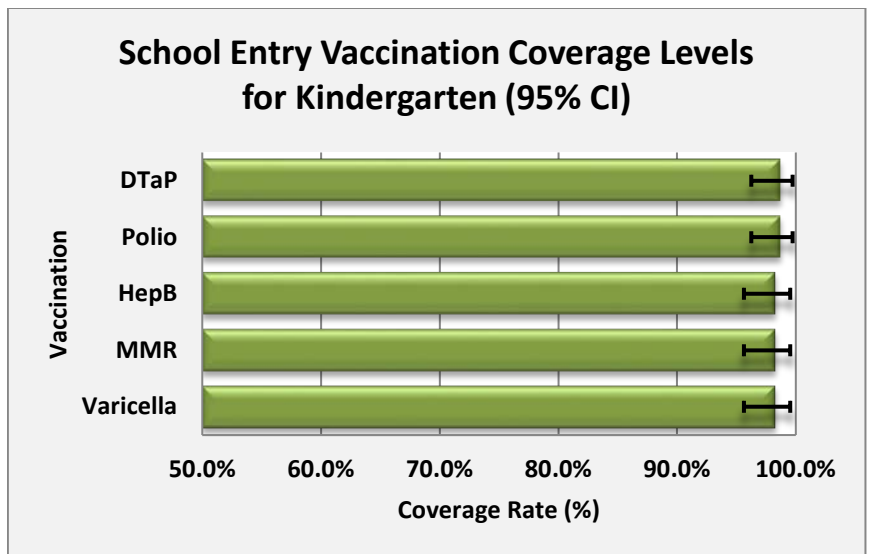


Age-Specific Group: Vaccines and Doses		Washington County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	94.7	70	94.0	94.2	Not Met
3+	Polio	96.7	53	94.5	-----	Met
3+	HepB	96.7	49	94.0	-----	Met
2	MMR	93.3	69	92.3	94.0	Not Met
2	Varicella	92.7	70	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	88.2	65	82.8	87.6 (±0.9)	(80%) Met
1	MCV	86.8	66	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	96.5	97	97.4	-----	(95%) Met
2	MMR	97.2	91	97.8	-----	(95%) Met
2	Varicella	96.5	100	98.0	81.0 (±1.2)	(90%) Met

Wayne County

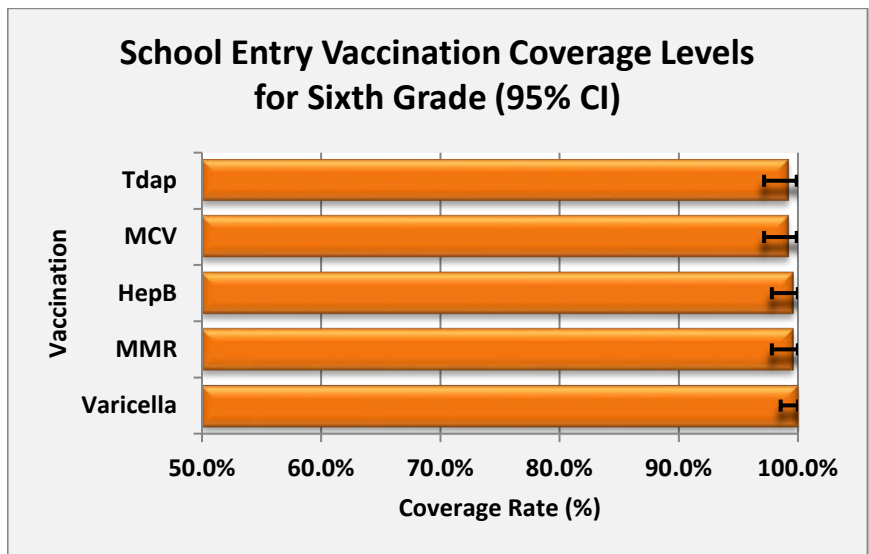
231 Children in Kindergarten

252 Children in Sixth Grade



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	99.2%	99.6%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.4%	0.4%
No Certificate on File	0.4%	0.0%



Age-Specific Group: Vaccines and Doses		Wayne County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.7	18	94.0	94.2	Met
3+	Polio	98.7	26	94.5	-----	Met
3+	HepB	98.3	26	94.0	-----	Met
2	MMR	98.3	17	92.3	94.0	Met
2	Varicella	98.3	11	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	99.2	8	82.8	87.6 (±0.9)	(80%) Met
1	MCV	99.2	6	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.6	22	97.4	-----	(95%) Met
2	MMR	99.6	19	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

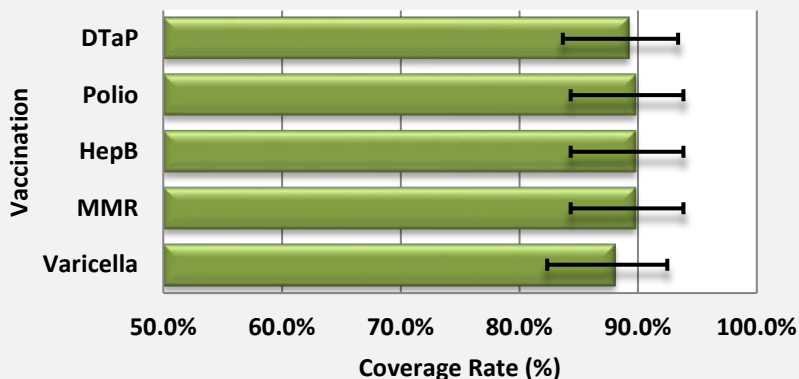
Webster County

176 Children in Kindergarten

168 Children in Sixth Grade



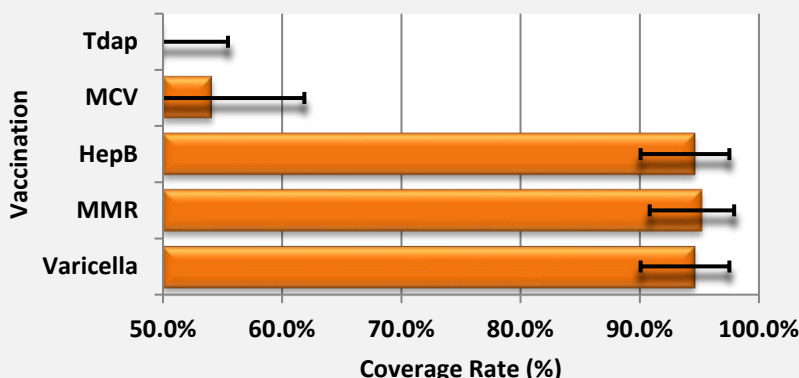
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	91.5%	97.0%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.6%
No Certificate on File	8.5%	2.4%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Webster County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	89.2	100	94.0	94.2	Not Met
3+	Polio	89.8	100	94.5	-----	Not Met
3+	HepB	89.8	100	94.0	-----	Not Met
2	MMR	89.8	90	92.3	94.0	Not Met
2	Varicella	88.1	93	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	47.6	117	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	54.2	111	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	94.6	114	97.4	-----	(95%) Not Met
2	MMR	95.2	113	97.8	-----	(95%) Met
2	Varicella	94.6	113	98.0	81.0 (±1.2)	(90%) Met

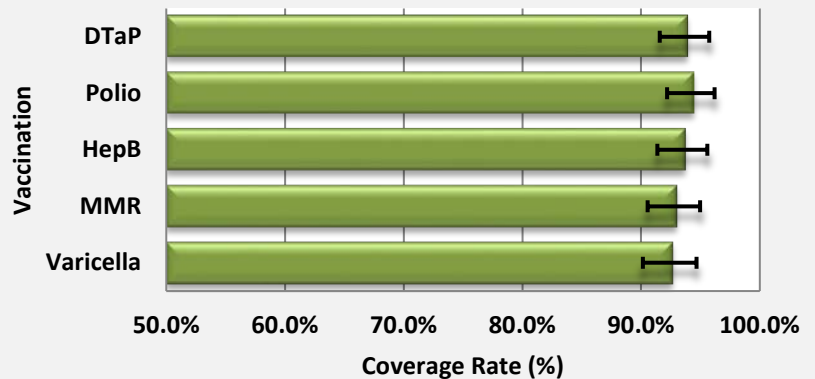
Whitley County

557 Children in Kindergarten

593 Children in Sixth Grade



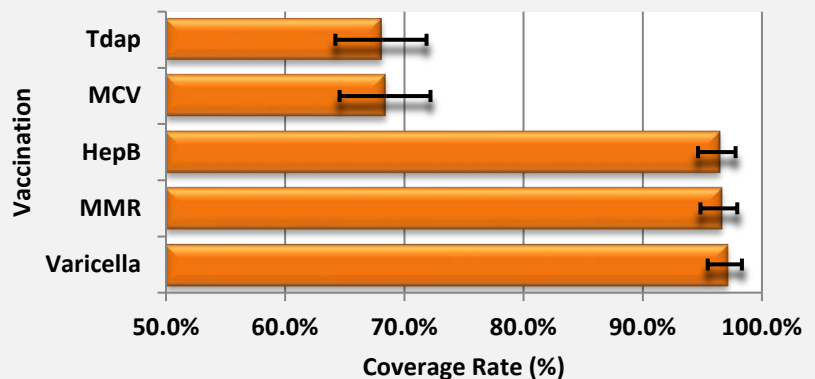
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	94.4%	97.1%
Medical Exemption	0.4%	0.2%
Religious Exemption	0.0%	0.5%
No Certificate on File	5.2%	2.2%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Whitley County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	93.9	81	94.0	94.2	Not Met
3+	Polio	94.4	76	94.5	-----	Not Met
3+	HepB	93.7	77	94.0	-----	Not Met
2	MMR	93.0	71	92.3	94.0	Not Met
2	Varicella	92.6	71	91.5	93.6	Not Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	68.1	103	82.8	87.6 (±0.9)	(80%) Not Met
1	MCV	68.5	97	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	96.5	100	97.4	-----	(95%) Met
2	MMR	96.6	99	97.8	-----	(95%) Met
2	Varicella	97.1	91	98.0	81.0 (±1.2)	(90%) Met

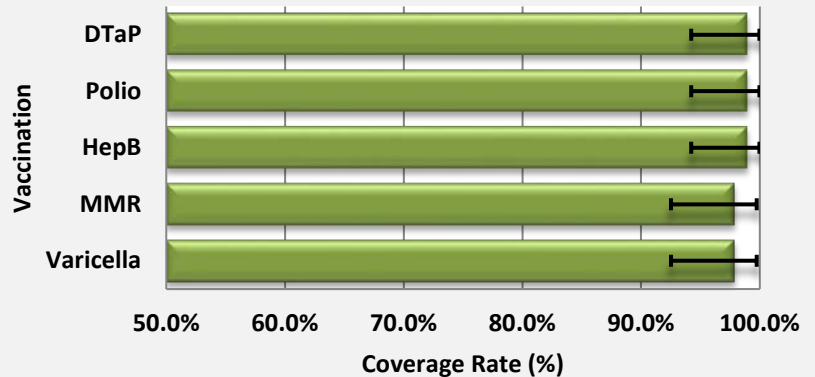
Wolfe County

94 Children in Kindergarten

95 Children in Sixth Grade



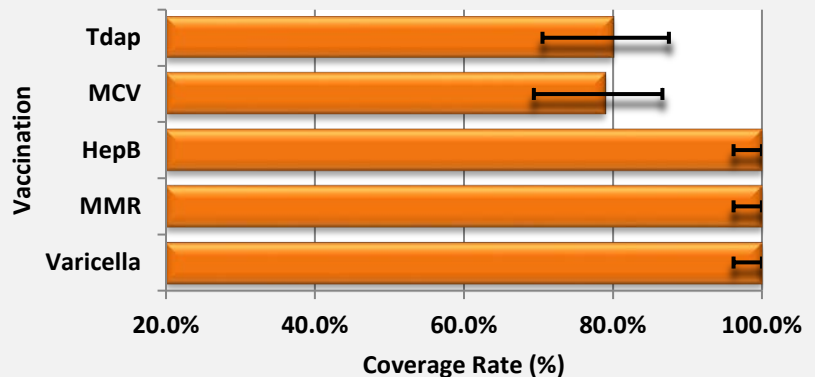
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	100.0%	100.0%
Medical Exemption	0.0%	0.0%
Religious Exemption	0.0%	0.0%
No Certificate on File	0.0%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Wolfe County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.9	13	94.0	94.2	Met
3+	Polio	98.9	20	94.5	-----	Met
3+	HepB	98.9	16	94.0	-----	Met
2	MMR	97.9	25	92.3	94.0	Met
2	Varicella	97.9	15	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	80.0	84	82.8	87.6 (±0.9)	(80%) Met
1	MCV	78.9	80	81.9	79.3 (±1.1)	(80%) Not Met
3+	HepB	100.0	1	97.4	-----	(95%) Met
2	MMR	100.0	1	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

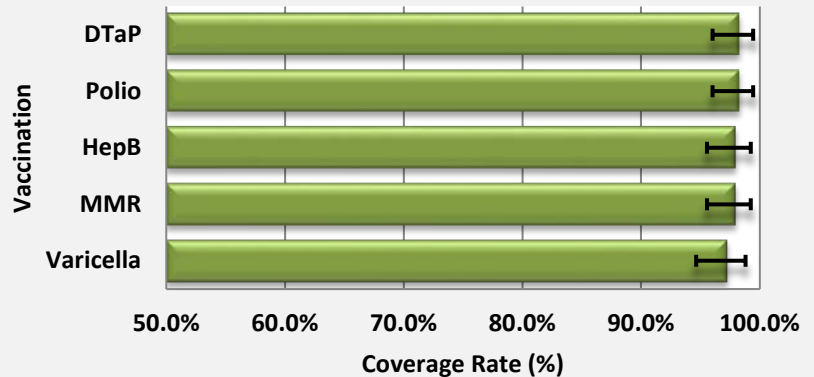
Woodford County

290 Children in Kindergarten

323 Children in Sixth Grade



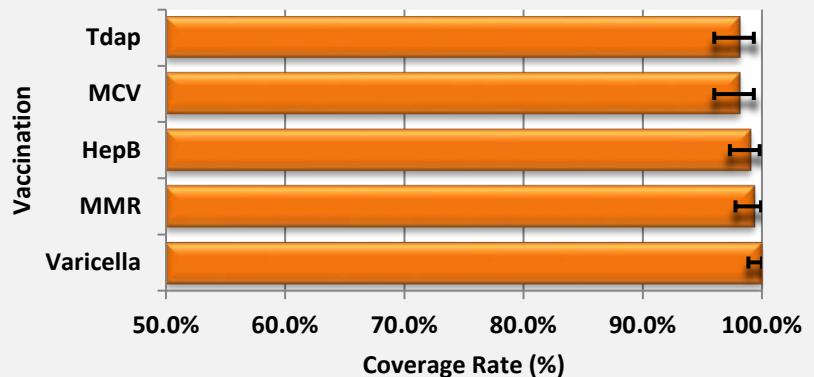
School Entry Vaccination Coverage Levels for Kindergarten (95% CI)



Percentage of Certificates and Exemptions on File for Kindergarten and Sixth Grade

	Kindergarten	Sixth Grade
Current Certificate	98.6%	99.4%
Medical Exemption	0.0%	0.0%
Religious Exemption	1.0%	0.6%
No Certificate on File	0.4%	0.0%

School Entry Vaccination Coverage Levels for Sixth Grade (95% CI)



Age-Specific Group: Vaccines and Doses		Woodford County	County Rank	KY Average	US Average ^{*,†}	Target Goal ^{§,¶}
Kindergarten						
Doses	Antigen	%		%	%	95.0%
4+	DTaP	98.3	21	94.0	94.2	Met
3+	Polio	98.3	32	94.5	-----	Met
3+	HepB	97.9	34	94.0	-----	Met
2	MMR	97.9	23	92.3	94.0	Met
2	Varicella	97.2	28	91.5	93.6	Met
Sixth Grade						
Doses	Antigen	%		%	%	% Varies
1	Tdap	98.1	13	82.8	87.6 (±0.9)	(80%) Met
1	MCV	98.1	13	81.9	79.3 (±1.1)	(80%) Met
3+	HepB	99.1	44	97.4	-----	(95%) Met
2	MMR	99.4	26	97.8	-----	(95%) Met
2	Varicella	100.0	1	98.0	81.0 (±1.2)	(90%) Met

APPENDIX C

KENTUCKY ANNUAL SCHOOL IMMUNIZATION SURVEY REPORT 2015 – 2016

Area Development District (ADD) Profiles About Immunization Coverage

Area Development District (ADD) Profiles About Immunization Coverage

Each age-specific report for Kindergarten (Appendix C-1) or Sixth Grade (Appendix C-2) provided aggregate totals of immunization certificate types (i.e., Current, Medical or Religious Exemptions, and Missing) and age appropriate immunizations for each Area Development District (ADD) with reports for each county, with data from the County Profiles (Appendix B).

Reports for counties served by district health departments were sorted alphabetically before reports for counties served by independent health department in the ADD. Each county report included county totals/coverage rates, with coverage rates (percentage) for each certificate type and selected age-appropriate vaccinations. Children having the minimum number of doses for each immunization, as reported by each school, were considered compliant.

Several objectives for Immunizations were defined by Healthy People 2020 (HP 2020), <http://www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases>. The attainment of age-appropriate target measures for these Objectives is used annually by the Kentucky Immunization Program to identify schools that have been successful with vaccination compliance for school age children in the survey year.

The age-appropriate HP 2020 target measures, assessed in schools, were:

Kindergarten, by selected vaccines and doses:

- 95% or greater for 4+ DTaP, 3+ Polio, 3+ HepB, 2 MMR, and 2 Varicella;

Sixth Grade, by selected vaccines and doses:


- 80% or greater for 1 Tdap and 1 MCV, and
- 90% or greater for 2 Varicella,

Two target Immunizations measures defined by the Kentucky Immunization Program (KIP) for adolescents, were adapted from definitions in Healthy People 2010 Objectives, (https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/DATA2010/Focusarea14/O1427a.pdf) and (https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/DATA2010/Focusarea14/O1427b.pdf).

The age-appropriate KIP target measures, assessed in schools, were:

Sixth Grade, by selected vaccines and doses:

- 95% or greater for 3 HepB and 2 MMR.

If any of the age-appropriate HP 2020 or KIP target measures were not met for a county, the cell for the corresponding vaccine (COLUMN) for a given county (ROW) has been highlighted in red. 

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — ADD Profiles
Immunization Coverage in Kindergarten

LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District I Purchase		2,356	2,257 95.8%	5 0.2%	23 1.0%	71 3.0%	2,244 95.2%	2,250 95.5%	2,241 95.1%	2,220 94.2%	2,192 93.0%
District 01 Purchase	Ballard	93	93 100.0%	0 0.0%	0 0.0%	0 0.0%	93 100.0%	93 100.0%	93 100.0%	93 100.0%	92 98.9%
District 01 Purchase	Carlisle	39	37 94.9%	0 0.0%	2 5.1%	0 0.0%	37 94.9%	37 94.9%	37 94.9%	36 92.3%	36 92.3%
District 01 Purchase	Fulton	83	83 100.0%	0 0.0%	0 0.0%	0 0.0%	83 100.0%	83 100.0%	83 100.0%	83 100.0%	83 100.0%
District 01 Purchase	Hickman	46	46 100.0%	0 0.0%	0 0.0%	0 0.0%	46 100.0%	46 100.0%	46 100.0%	46 100.0%	46 100.0%
District 01 Purchase	McCracken	844	781 92.5%	5 0.6%	7 0.8%	51 6.1%	782 92.7%	781 92.5%	778 92.2%	770 91.2%	752 89.1%
Independent	Calloway	362	353 97.5%	0 0.0%	5 1.4%	4 1.1%	353 97.5%	353 97.5%	353 97.5%	352 97.2%	351 97.0%
Independent	Graves	473	464 98.1%	0 0.0%	4 0.8%	5 1.1%	459 97.0%	466 98.5%	463 97.9%	455 96.2%	451 95.3%
Independent	Marshall	416	400 96.2%	0 0.0%	5 1.2%	11 2.6%	391 94.0%	391 94.0%	388 93.3%	385 92.5%	381 91.6%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — ADD Profiles

Immunization Coverage in Kindergarten

LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District II Pennyriple		2,454	2,320 94.5%	2 0.1%	19 0.8%	113 4.6%	2,283 93.0%	2,289 93.3%	2,268 92.4%	2,217 90.3%	2,205 89.9%
District 02 Pennyriple	Caldwell	145	133 91.7%	0 0.0%	0 0.0%	12 8.3%	132 91.0%	133 91.7%	132 91.0%	132 91.0%	131 90.3%
District 02 Pennyriple	Crittenden	107	94 87.9%	0 0.0%	3 2.8%	10 9.3%	93 86.9%	97 90.7%	97 90.7%	96 89.7%	92 86.0%
District 02 Pennyriple	Livingston	97	89 91.8%	0 0.0%	0 0.0%	8 8.2%	88 90.7%	87 89.7%	87 89.7%	88 90.7%	83 85.6%
District 02 Pennyriple	Lyon	73	71 97.3%	0 0.0%	0 0.0%	2 2.7%	70 95.9%	69 94.5%	63 86.3%	69 94.5%	67 91.8%
District 02 Pennyriple	Trigg	146	145 99.3%	0 0.0%	0 0.0%	1 0.7%	143 97.9%	144 98.6%	144 98.6%	143 97.9%	143 97.9%
Independent	Christian	799	733 91.7%	1 0.1%	1 0.1%	64 8.0%	706 88.4%	709 88.7%	701 87.7%	684 85.6%	684 85.6%
Independent	Hopkins	607	595 98.0%	0 0.0%	11 1.8%	1 0.2%	594 97.9%	594 97.9%	595 98.0%	586 96.5%	584 96.2%
Independent	Muhlenberg	352	338 96.0%	0 0.0%	3 0.9%	11 3.1%	336 95.5%	334 94.9%	328 93.2%	299 84.9%	301 85.5%
Independent	Todd	128	122 95.3%	1 0.8%	1 0.8%	4 3.1%	121 94.5%	122 95.3%	121 94.5%	120 93.8%	120 93.8%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — ADD Profiles

Immunization Coverage in Kindergarten

LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District III Green River		2,893	2,739 94.7%	3 0.1%	14 0.5%	137 4.7%	2,692 93.1%	2,698 93.3%	2,704 93.5%	2,465 85.2%	2,399 82.9%
District 03 Green River	Daviess	1,423	1,355 95.2%	2 0.1%	5 0.4%	61 4.3%	1,327 93.3%	1,334 93.7%	1,336 93.9%	1,151 80.9%	1,093 76.8%
District 03 Green River	Hancock	118	112 94.9%	0 0.0%	2 1.7%	4 3.4%	110 93.2%	111 94.1%	111 94.1%	109 92.4%	108 91.5%
District 03 Green River	Henderson	547	540 98.7%	0 0.0%	2 0.4%	5 0.9%	536 98.0%	538 98.4%	533 97.4%	525 96.0%	532 97.3%
District 03 Green River	McLean	120	116 96.6%	0 0.0%	2 1.7%	2 1.7%	113 94.2%	107 89.2%	114 95.0%	92 76.7%	90 75.0%
District 03 Green River	Ohio	339	290 85.5%	0 0.0%	0 0.0%	49 14.5%	284 83.8%	285 84.1%	287 84.7%	270 79.6%	261 77.0%
District 03 Green River	Union	170	165 97.0%	1 0.6%	3 1.8%	1 0.6%	165 97.1%	165 97.1%	165 97.1%	160 94.1%	160 94.1%
District 03 Green River	Webster	176	161 91.5%	0 0.0%	0 0.0%	15 8.5%	157 89.2%	158 89.8%	158 89.8%	158 89.8%	155 88.1%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — ADD Profiles
Immunization Coverage in Kindergarten

LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District IV Barren River		3,446	3,349 97.2%	5 0.1%	24 0.7%	68 2.0%	3,304 95.9%	3,314 96.2%	3,286 95.4%	3,276 95.1%	3,245 94.2%
District 04 Barren River	Barren	611	595 97.4%	2 0.3%	6 1.0%	8 1.3%	591 96.7%	591 96.7%	586 95.9%	587 96.1%	584 95.6%
District 04 Barren River	Butler	145	136 93.8%	0 0.0%	0 0.0%	9 6.2%	136 93.8%	136 93.8%	134 92.4%	136 93.8%	135 93.1%
District 04 Barren River	Edmonson	139	132 95.0%	0 0.0%	0 0.0%	7 5.0%	131 94.2%	130 93.5%	129 92.8%	131 94.2%	131 94.2%
District 04 Barren River	Hart	165	163 98.8%	0 0.0%	2 1.2%	0 0.0%	163 98.8%	163 98.8%	163 98.8%	162 98.2%	162 98.2%
District 04 Barren River	Logan	332	314 94.6%	1 0.3%	3 0.9%	14 4.2%	296 89.2%	298 89.8%	308 92.8%	288 86.7%	284 85.5%
District 04 Barren River	Metcalfe	115	114 99.1%	1 0.9%	0 0.0%	0 0.0%	114 99.1%	114 99.1%	113 98.3%	111 96.5%	111 96.5%
District 04 Barren River	Simpson	206	205 99.5%	0 0.0%	1 0.5%	0 0.0%	205 99.5%	205 99.5%	203 98.5%	204 99.0%	205 99.5%
District 04 Barren River	Warren	1,370	1,333 97.3%	0 0.0%	10 0.7%	27 2.0%	1,315 96.0%	1,323 96.6%	1,299 94.8%	1,304 95.2%	1,281 93.5%
Independent	Allen	234	232 99.2%	0 0.0%	1 0.4%	1 0.4%	231 98.7%	231 98.7%	229 97.9%	231 98.7%	231 98.7%
Independent	Monroe	129	125 96.9%	1 0.8%	1 0.8%	2 1.5%	122 94.6%	123 95.3%	122 94.6%	122 94.6%	121 93.8%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — ADD Profiles
Immunization Coverage in Kindergarten

LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District V Lincoln Trail		3,026	2,845 94.0%	3 0.1%	12 0.4%	166 5.5%	2,825 93.4%	2,831 93.6%	2,817 93.1%	2,768 91.5%	2,752 90.9%
District 05 Lincoln Trail	Hardin	1,013	905 89.3%	1 0.1%	4 0.4%	103 10.2%	891 88.0%	892 88.1%	879 86.8%	865 85.4%	864 85.3%
District 05 Lincoln Trail	LaRue	135	135 100.0%	0 0.0%	0 0.0%	0 0.0%	135 100.0%	135 100.0%	135 100.0%	135 100.0%	134 99.3%
District 05 Lincoln Trail	Marion	228	223 97.8%	0 0.0%	0 0.0%	5 2.2%	223 97.8%	223 97.8%	223 97.8%	222 97.4%	219 96.1%
District 05 Lincoln Trail	Meade	316	311 98.4%	0 0.0%	5 1.6%	0 0.0%	310 98.1%	310 98.1%	310 98.1%	310 98.1%	308 97.5%
District 05 Lincoln Trail	Nelson	614	564 91.9%	0 0.0%	1 0.1%	49 8.0%	564 91.9%	564 91.9%	563 91.7%	543 88.4%	539 87.8%
District 05 Lincoln Trail	Washington	150	145 96.6%	0 0.0%	1 0.7%	4 2.7%	142 94.7%	145 96.7%	145 96.7%	140 93.3%	139 92.7%
Independent	Breckinridge	266	260 97.7%	1 0.4%	1 0.4%	4 1.5%	259 97.4%	260 97.7%	260 97.7%	255 95.9%	253 95.1%
Independent	Grayson	304	302 99.4%	1 0.3%	0 0.0%	1 0.3%	301 99.0%	302 99.3%	302 99.3%	298 98.0%	296 97.4%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — ADD Profiles
Immunization Coverage in Kindergarten

LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District VI KIPDA		12,037	11,323 94.1%	28 0.2%	96 0.8%	590 4.9%	11,190 93.0%	11,253 93.5%	11,208 93.1%	11,065 91.9%	10,963 91.1%
District 06 North Central	Henry	189	185 97.9%	0 0.0%	3 1.6%	1 0.5%	181 95.8%	183 96.8%	185 97.9%	182 96.3%	181 95.8%
District 06 North Central	Shelby	521	506 97.1%	0 0.0%	6 1.2%	9 1.7%	501 96.2%	499 95.8%	499 95.8%	485 93.1%	480 92.1%
District 06 North Central	Spencer	189	185 97.8%	2 1.1%	2 1.1%	0 0.0%	187 98.9%	187 98.9%	187 98.9%	186 98.4%	185 97.9%
District 06 North Central	Trimble	95	89 93.7%	0 0.0%	0 0.0%	6 6.3%	88 92.6%	88 92.6%	88 92.6%	87 91.6%	87 91.6%
Independent	Bullitt	877	805 91.8%	1 0.1%	5 0.6%	66 7.5%	790 90.1%	794 90.5%	793 90.4%	782 89.2%	778 88.7%
Independent	Jefferson	9,323	8,723 93.6%	23 0.2%	71 0.8%	506 5.4%	8,621 92.5%	8,674 93.0%	8,630 92.6%	8,526 91.5%	8,437 90.5%
Independent	Oldham	843	830 98.5%	2 0.2%	9 1.1%	2 0.2%	822 97.5%	828 98.2%	826 98.0%	817 96.9%	815 96.7%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — ADD Profiles

Immunization Coverage in Kindergarten

LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District VII Northern Kentucky		5,994	5,791 96.6%	20 0.3%	60 1.0%	123 2.1%	5,735 95.7%	5,762 96.1%	5,756 96.0%	5,694 95.0%	5,631 93.9%
<i>District 07A Subtotal</i>		<i>5,401</i>	<i>5,229</i> 96.8%	<i>19</i> 0.4%	<i>57</i> 1.1%	<i>96</i> 1.8%	<i>5,193</i> 96.1%	<i>5,213</i> 96.5%	<i>5,207</i> 96.4%	<i>5,150</i> 95.4%	<i>5,109</i> 94.6%
District 07A Northern Kentucky	Boone	1,761	1,721 97.7%	7 0.4%	29 1.7%	4 0.2%	1,721 97.7%	1,722 97.8%	1,718 97.6%	1,703 96.7%	1,696 96.3%
District 07A Northern Kentucky	Campbell	1,074	1,032 96.1%	4 0.4%	7 0.6%	31 2.9%	1,025 95.4%	1,028 95.7%	1,025 95.4%	1,018 94.8%	1,006 93.7%
District 07A Northern Kentucky	Grant	318	314 98.7%	3 1.0%	1 0.3%	0 0.0%	304 95.6%	312 98.1%	311 97.8%	309 97.2%	306 96.2%
District 07A Northern Kentucky	Kenton	2,248	2,162 96.2%	5 0.2%	20 0.9%	61 2.7%	2,143 95.3%	2,151 95.7%	2,153 95.8%	2,120 94.3%	2,101 93.5%
<i>District 07B Subtotal</i>		<i>593</i>	<i>562</i> 94.8%	<i>1</i> 0.2%	<i>3</i> 0.5%	<i>27</i> 4.6%	<i>542</i> 91.4%	<i>549</i> 92.6%	<i>549</i> 92.6%	<i>544</i> 91.7%	<i>522</i> 88.0%
District 07B Three Rivers	Carroll	171	147 86.0%	0 0.0%	0 0.0%	24 14.0%	133 77.8%	136 79.5%	143 83.6%	144 84.2%	123 71.9%
District 07B Three Rivers	Gallatin	117	113 96.6%	1 0.9%	0 0.0%	3 2.5%	113 96.6%	114 97.4%	113 96.6%	108 92.3%	105 89.7%
District 07B Three Rivers	Owen	131	128 97.7%	0 0.0%	3 2.3%	0 0.0%	126 96.2%	128 97.7%	124 94.7%	124 94.7%	125 95.4%
District 07B Three Rivers	Pendleton	174	174 100.0%	0 0.0%	0 0.0%	0 0.0%	170 97.7%	171 98.3%	169 97.1%	168 96.6%	169 97.1%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — ADD Profiles
Immunization Coverage in Kindergarten

LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District VIII Buffalo Trace		668	639 95.7%	4 0.6%	3 0.4%	22 3.3%	628 94.0%	634 94.9%	619 92.7%	599 89.7%	595 89.1%
District 08 Buffalo Trace	Mason	218	195 89.4%	0 0.0%	1 0.5%	22 10.1%	189 86.7%	190 87.2%	178 81.7%	165 75.7%	163 74.8%
District 08 Buffalo Trace	Robertson	18	17 94.4%	1 5.6%	0 0.0%	0 0.0%	18 100.0%	18 100.0%	18 100.0%	17 94.4%	17 94.4%
Independent	Bracken	114	113 99.1%	0 0.0%	1 0.9%	0 0.0%	112 98.2%	113 99.1%	110 96.5%	110 96.5%	109 95.6%
Independent	Fleming	171	168 98.2%	3 1.8%	0 0.0%	0 0.0%	168 98.2%	170 99.4%	168 98.2%	168 98.2%	167 97.7%
Independent	Lewis	147	146 99.3%	0 0.0%	1 0.7%	0 0.0%	141 95.9%	143 97.3%	145 98.6%	139 94.6%	139 94.6%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — ADD Profiles

Immunization Coverage in Kindergarten

LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District IX Gateway		1,015	937 92.3%	8 0.8%	2 0.2%	68 6.7%	925 91.1%	932 91.8%	920 90.6%	912 89.9%	911 89.8%
District 09 Gateway	Bath	147	130 88.4%	1 0.7%	0 0.0%	16 10.9%	130 88.4%	131 89.1%	129 87.8%	128 87.1%	128 87.1%
District 09 Gateway	Menifee	86	86 100.0%	0 0.0%	0 0.0%	0 0.0%	85 98.8%	86 100.0%	86 100.0%	86 100.0%	86 100.0%
District 09 Gateway	Morgan	148	146 98.6%	1 0.7%	1 0.7%	0 0.0%	148 100.0%	148 100.0%	148 100.0%	147 99.3%	146 98.6%
District 09 Gateway	Rowan	253	238 94.0%	6 2.4%	1 0.4%	8 3.2%	236 93.3%	238 94.1%	238 94.1%	235 92.9%	233 92.1%
Independent	Montgomery	381	337 88.5%	0 0.0%	0 0.0%	44 11.5%	326 85.6%	329 86.4%	319 83.7%	316 82.9%	318 83.5%

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Immunization Coverage in Kindergarten

LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District X FIVCO		1,734	1,647 95.0%	6 0.3%	8 0.5%	73 4.2%	1,627 93.8%	1,634 94.2%	1,627 93.8%	1,588 91.6%	1,573 90.7%
District 10 Little Sandy	Carter	352	338 96.0%	2 0.6%	2 0.6%	10 2.8%	336 95.5%	336 95.5%	337 95.7%	322 91.5%	323 91.8%
District 10 Little Sandy	Elliott	78	77 98.7%	0 0.0%	0 0.0%	1 1.3%	75 96.2%	75 96.2%	77 98.7%	75 96.2%	76 97.4%
Independent	Boyd	622	593 95.3%	2 0.3%	5 0.8%	22 3.5%	591 95.0%	591 95.0%	589 94.7%	578 92.9%	568 91.3%
Independent	Greenup	480	463 96.5%	2 0.4%	1 0.2%	14 2.9%	457 95.2%	461 96.0%	457 95.2%	453 94.4%	446 92.9%
Independent	Lawrence	202	176 87.1%	0 0.0%	0 0.0%	26 12.9%	168 83.2%	171 84.7%	167 82.7%	160 79.2%	160 79.2%

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LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District XI Big Sandy		1,862	1,782 95.7%	3 0.2%	6 0.3%	71 3.8%	1,782 95.7%	1,784 95.8%	1,790 96.1%	1,761 94.6%	1,752 94.1%
Independent	Floyd	547	538 98.3%	1 0.2%	1 0.2%	7 1.3%	533 97.4%	534 97.6%	536 98.0%	529 96.7%	524 95.8%
Independent	Johnson	299	270 90.3%	1 0.3%	4 1.4%	24 8.0%	270 90.3%	269 90.0%	271 90.6%	266 89.0%	265 88.6%
Independent	Magoffin	152	133 87.5%	0 0.0%	0 0.0%	19 12.5%	133 87.5%	132 86.8%	133 87.5%	127 83.6%	128 84.2%
Independent	Martin	150	146 97.3%	1 0.7%	0 0.0%	3 2.0%	146 97.3%	146 97.3%	146 97.3%	146 97.3%	146 97.3%
Independent	Pike	714	695 97.3%	0 0.0%	1 0.1%	18 2.5%	700 98.0%	703 98.5%	704 98.6%	693 97.1%	689 96.5%

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Immunization Coverage in Kindergarten

LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District XII Kentucky River		1,402	1,331 94.9%	9 0.6%	4 0.3%	58 4.1%	1,321 94.2%	1,327 94.7%	1,323 94.4%	1,299 92.7%	1,288 91.9%
District 12 Kentucky River	Knott	190	188 98.9%	1 0.5%	1 0.5%	0 0.0%	186 97.9%	188 98.9%	187 98.4%	186 97.9%	181 95.3%
District 12 Kentucky River	Lee	87	76 87.4%	0 0.0%	0 0.0%	11 12.6%	76 87.4%	76 87.4%	76 87.4%	75 86.2%	73 83.9%
District 12 Kentucky River	Leslie	129	127 98.4%	1 0.8%	0 0.0%	1 0.8%	127 98.4%	128 99.2%	128 99.2%	125 96.9%	126 97.7%
District 12 Kentucky River	Letcher	284	268 94.4%	2 0.7%	3 1.0%	11 3.9%	268 94.4%	270 95.1%	271 95.4%	260 91.5%	262 92.3%
District 12 Kentucky River	Owsley	55	52 94.5%	0 0.0%	0 0.0%	3 5.5%	52 94.5%	51 92.7%	51 92.7%	52 94.5%	52 94.5%
District 12 Kentucky River	Perry	375	354 94.4%	5 1.3%	0 0.0%	16 4.3%	354 94.4%	354 94.4%	349 93.1%	348 92.8%	344 91.7%
District 12 Kentucky River	Wolfe	94	94 100.0%	0 0.0%	0 0.0%	0 0.0%	93 98.9%	93 98.9%	93 98.9%	92 97.9%	92 97.9%
Independent	Breathitt	188	172 91.5%	0 0.0%	0 0.0%	16 8.5%	165 87.8%	167 88.8%	168 89.4%	161 85.6%	158 84.0%

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LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District XIII Cumberland Valley		3,042	2,810 92.4%	6 0.2%	7 0.2%	219 7.2%	2,744 90.2%	2,767 91.0%	2,734 89.9%	2,681 88.1%	2,679 88.1%
District 13 Cumberland Valley	Clay	283	265 93.6%	0 0.0%	0 0.0%	18 6.4%	264 93.3%	265 93.6%	262 92.6%	260 91.9%	263 92.9%
District 13 Cumberland Valley	Jackson	200	200 100.0%	0 0.0%	0 0.0%	0 0.0%	200 100.0%	199 99.5%	199 99.5%	198 99.0%	197 98.5%
District 13 Cumberland Valley	Rockcastle	180	179 99.4%	0 0.0%	1 0.6%	0 0.0%	176 97.8%	178 98.9%	177 98.3%	177 98.3%	177 98.3%
Independent	Bell	347	313 90.2%	3 0.9%	3 0.9%	28 8.0%	309 89.0%	310 89.3%	304 87.6%	293 84.4%	299 86.2%
Independent	Harlan	342	300 87.7%	0 0.0%	1 0.3%	41 12.0%	288 84.2%	290 84.8%	282 82.5%	284 83.0%	285 83.3%
Independent	Knox	437	376 86.1%	1 0.2%	0 0.0%	60 13.7%	365 83.5%	372 85.1%	362 82.8%	347 79.4%	340 77.8%
Independent	Laurel	696	651 93.5%	0 0.0%	2 0.3%	43 6.2%	619 88.9%	627 90.1%	626 89.9%	604 86.8%	602 86.5%
Independent	Whitley	557	526 94.4%	2 0.4%	0 0.0%	29 5.2%	523 93.9%	526 94.4%	522 93.7%	518 93.0%	516 92.6%

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LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District XIV Lake Cumberland		2,389	2,287 95.7%	6 0.3%	14 0.6%	82 3.4%	2,263 94.7%	2,274 95.2%	2,273 95.1%	2,244 93.9%	2,241 93.8%
District 14 Lake Cumberland	Adair	201	200 99.5%	1 0.5%	0 0.0%	0 0.0%	198 98.5%	200 99.5%	199 99.0%	199 99.0%	196 97.5%
District 14 Lake Cumberland	Casey	159	143 89.9%	0 0.0%	2 1.3%	14 8.8%	138 86.8%	138 86.8%	137 86.2%	137 86.2%	135 84.9%
District 14 Lake Cumberland	Clinton	132	129 97.7%	0 0.0%	2 1.5%	1 0.8%	129 97.7%	127 96.2%	128 97.0%	125 94.7%	125 94.7%
District 14 Lake Cumberland	Cumberland	71	68 95.8%	0 0.0%	0 0.0%	3 4.2%	68 95.8%	68 95.8%	68 95.8%	66 93.0%	67 94.4%
District 14 Lake Cumberland	Green	112	105 93.7%	1 0.9%	0 0.0%	6 5.4%	106 94.6%	106 94.6%	106 94.6%	105 93.8%	106 94.6%
District 14 Lake Cumberland	McCreary	221	218 98.5%	1 0.5%	1 0.5%	1 0.5%	217 98.2%	217 98.2%	217 98.2%	210 95.0%	210 95.0%
District 14 Lake Cumberland	Pulaski	676	615 91.0%	3 0.4%	3 0.4%	55 8.2%	604 89.3%	611 90.4%	614 90.8%	604 89.3%	604 89.3%
District 14 Lake Cumberland	Russell	272	272 100.0%	0 0.0%	0 0.0%	0 0.0%	267 98.2%	270 99.3%	270 99.3%	268 98.5%	265 97.4%
District 14 Lake Cumberland	Taylor	314	308 98.1%	0 0.0%	5 1.6%	1 0.3%	308 98.1%	309 98.4%	307 97.8%	303 96.5%	306 97.5%
District 14 Lake Cumberland	Wayne	231	229 99.2%	0 0.0%	1 0.4%	1 0.4%	228 98.7%	228 98.7%	227 98.3%	227 98.3%	227 98.3%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — ADD Profiles

Immunization Coverage in Kindergarten

LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District XV Bluegrass		9,665	9,325 96.5%	20 0.2%	87 0.9%	233 2.4%	9,192 95.1%	9,244 95.6%	9,201 95.2%	9,054 93.7%	8,978 92.9%
Bluegrass Capital Region Subtotal		3,164	3,046 96.3%	5 0.2%	19 0.6%	94 3.0%	3,005 95.0%	3,022 95.5%	3,016 95.3%	2,964 93.7%	2,926 92.5%
District 15 WEDCO	Harrison	215	197 91.6%	0 0.0%	0 0.0%	18 8.4%	196 91.2%	196 91.2%	194 90.2%	192 89.3%	190 88.4%
District 15 WEDCO	Nicholas	86	86 100.0%	0 0.0%	0 0.0%	0 0.0%	86 100.0%	86 100.0%	86 100.0%	86 100.0%	84 97.7%
District 15 WEDCO	Scott	844	816 96.7%	1 0.1%	3 0.4%	24 2.8%	796 94.3%	801 94.9%	814 96.4%	795 94.2%	783 92.8%
Independent	Anderson	241	237 98.3%	1 0.4%	2 0.8%	1 0.4%	235 97.5%	238 98.8%	238 98.8%	237 98.3%	232 96.3%
Independent	Bourbon	275	266 96.7%	0 0.0%	1 0.4%	8 2.9%	265 96.4%	265 96.4%	264 96.0%	263 95.6%	262 95.3%
Independent	Franklin	615	573 93.1%	1 0.2%	1 0.2%	40 6.5%	567 92.2%	574 93.3%	565 91.9%	538 87.5%	524 85.2%
Independent	Jessamine	598	585 97.9%	2 0.3%	9 1.5%	2 0.3%	575 96.2%	577 96.5%	571 95.5%	569 95.2%	569 95.2%
Independent	Woodford	290	286 98.6%	0 0.0%	3 1.0%	1 0.4%	285 98.3%	285 98.3%	284 97.9%	284 97.9%	282 97.2%

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LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District XV Bluegrass		9,665	9,325 96.5%	20 0.2%	87 0.9%	233 2.4%	9,192 95.1%	9,244 95.6%	9,201 95.2%	9,054 93.7%	8,978 92.9%
Bluegrass South Region Subtotal		2,843	2,716 95.5%	5 0.2%	21 0.7%	101 3.6%	2,660 93.6%	2,679 94.2%	2,657 93.5%	2,607 91.7%	2,591 91.1%
Independent	Boyle	358	339 94.7%	1 0.3%	2 0.5%	16 4.5%	335 93.6%	335 93.6%	333 93.0%	332 92.7%	326 91.1%
Independent	Clark	404	393 97.3%	0 0.0%	3 0.7%	8 2.0%	383 94.8%	387 95.8%	367 90.8%	380 94.1%	378 93.6%
Independent	Estill	167	149 89.2%	0 0.0%	1 0.6%	17 10.2%	150 89.8%	150 89.8%	149 89.2%	144 86.2%	142 85.0%
Independent	Garrard	182	170 93.4%	0 0.0%	0 0.0%	12 6.6%	141 77.5%	145 79.7%	151 83.0%	141 77.5%	140 76.9%
Independent	Lincoln	256	249 97.2%	0 0.0%	3 1.2%	4 1.6%	245 95.7%	248 96.9%	247 96.5%	244 95.3%	242 94.5%
Independent	Madison	1,073	1,038 96.7%	4 0.4%	10 0.9%	21 2.0%	1,029 95.9%	1,037 96.6%	1,034 96.4%	994 92.6%	991 92.4%
Independent	Mercer	233	231 99.1%	0 0.0%	2 0.9%	0 0.0%	230 98.7%	230 98.7%	231 99.1%	229 98.3%	227 97.4%
Independent	Powell	170	147 86.5%	0 0.0%	0 0.0%	23 13.5%	147 86.5%	147 86.5%	145 85.3%	143 84.1%	145 85.3%

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LHD District or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
District XV Bluegrass		9,665	9,325 96.5%	20 0.2%	87 0.9%	233 2.4%	9,192 95.1%	9,244 95.6%	9,201 95.2%	9,054 93.7%	8,978 92.9%
Lexington-Fayette Region Subtotal		3,658	3,563 97.4%	10 0.3%	47 1.3%	38 1.0%	3,527 96.4%	3,543 96.9%	3,528 96.4%	3,483 95.2%	3,461 94.6%
Independent	Fayette	3,658	3,563 97.4%	10 0.3%	47 1.3%	38 1.0%	3,527 96.4%	3,543 96.9%	3,528 96.4%	3,483 95.2%	3,461 94.6%

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Immunization Coverage in Sixth Grade

LHD Districts or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
District I Purchase		1,964	1,927 98.1%	5 0.3%	18 0.9%	14 0.7%	1,769 90.1%	1,759 89.6%	1,924 98.0%	1,919 97.7%	1,926 98.1%
District 01 Purchase	Ballard	97	96 99.0%	0 0.0%	1 1.0%	0 0.0%	97 100.0%	97 100.0%	97 100.0%	97 100.0%	97 100.0%
District 01 Purchase	Carlisle	55	54 98.2%	0 0.0%	1 1.8%	0 0.0%	48 87.3%	47 85.5%	54 98.2%	54 98.2%	54 98.2%
District 01 Purchase	Fulton	67	65 97.0%	0 0.0%	0 0.0%	2 3.0%	64 95.5%	65 97.0%	65 97.0%	65 97.0%	65 97.0%
District 01 Purchase	Hickman	56	56 100.0%	0 0.0%	0 0.0%	0 0.0%	56 100.0%	56 100.0%	56 100.0%	56 100.0%	56 100.0%
District 01 Purchase	McCracken	545	534 98.0%	2 0.4%	6 1.1%	3 0.5%	420 77.1%	411 75.4%	538 98.7%	533 97.8%	538 98.7%
Independent	Calloway	312	304 97.4%	2 0.7%	6 1.9%	0 0.0%	299 95.8%	301 96.5%	307 98.4%	307 98.4%	307 98.4%
Independent	Graves	424	416 98.1%	1 0.2%	2 0.5%	5 1.2%	396 93.4%	394 92.9%	406 95.8%	405 95.5%	407 96.0%
Independent	Marshall	408	402 98.5%	0 0.0%	2 0.5%	4 1.0%	389 95.3%	388 95.1%	401 98.3%	402 98.5%	402 98.5%

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LHD Districts or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
District II Pennyriple		2,404	2,365 98.4%	3 0.1%	14 0.6%	22 0.9%	1,874 78.0%	1,835 76.3%	2,369 98.5%	2,370 98.6%	2,374 98.8%
District 02 Pennyriple	Caldwell	136	135 99.3%	0 0.0%	0 0.0%	1 0.7%	109 80.1%	104 76.5%	135 99.3%	134 98.5%	134 98.5%
District 02 Pennyriple	Crittenden	104	103 99.0%	0 0.0%	0 0.0%	1 1.0%	94 90.4%	93 89.4%	103 99.0%	103 99.0%	103 99.0%
District 02 Pennyriple	Livingston	80	79 98.8%	0 0.0%	1 1.2%	0 0.0%	48 60.0%	47 58.8%	77 96.3%	78 97.5%	78 97.5%
District 02 Pennyriple	Lyon	67	66 98.5%	0 0.0%	1 1.5%	0 0.0%	58 86.6%	52 77.6%	66 98.5%	66 98.5%	66 98.5%
District 02 Pennyriple	Trigg	156	155 99.4%	0 0.0%	1 0.6%	0 0.0%	147 94.2%	144 92.3%	156 100.0%	155 99.4%	156 100.0%
Independent	Christian	735	717 97.6%	0 0.0%	3 0.4%	15 2.0%	413 56.2%	393 53.5%	714 97.1%	715 97.3%	715 97.3%
Independent	Hopkins	595	584 98.2%	0 0.0%	8 1.3%	3 0.5%	530 89.1%	524 88.1%	592 99.5%	591 99.3%	594 99.8%
Independent	Muhlenberg	376	371 98.7%	3 0.8%	0 0.0%	2 0.5%	349 92.8%	353 93.9%	373 99.2%	373 99.2%	373 99.2%
Independent	Todd	155	155 100.0%	0 0.0%	0 0.0%	0 0.0%	126 81.3%	125 80.6%	153 98.7%	155 100.0%	155 100.0%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — ADD Profiles
Immunization Coverage in Sixth Grade

LHD Districts or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
District III Green River		2,886	2,828 98.0%	14 0.5%	14 0.5%	30 1.0%	2,434 84.3%	2,433 84.3%	2,839 98.4%	2,837 98.3%	2,846 98.6%
District 03 Green River	Daviess	1,357	1,331 98.1%	2 0.1%	9 0.7%	15 1.1%	1,205 88.8%	1,193 87.9%	1,337 98.5%	1,336 98.5%	1,343 99.0%
District 03 Green River	Hancock	140	140 100.0%	0 0.0%	0 0.0%	0 0.0%	136 97.1%	135 96.4%	140 100.0%	140 100.0%	140 100.0%
District 03 Green River	Henderson	609	596 97.9%	10 1.6%	3 0.5%	0 0.0%	525 86.2%	532 87.4%	606 99.5%	602 98.9%	606 99.5%
District 03 Green River	McLean	129	128 99.2%	1 0.8%	0 0.0%	0 0.0%	128 99.2%	128 99.2%	128 99.2%	128 99.2%	128 99.2%
District 03 Green River	Ohio	316	305 96.5%	0 0.0%	1 0.3%	10 3.2%	201 63.6%	195 61.7%	304 96.2%	306 96.8%	305 96.5%
District 03 Green River	Union	167	165 98.8%	1 0.6%	0 0.0%	1 0.6%	159 95.2%	159 95.2%	165 98.8%	165 98.8%	165 98.8%
District 03 Green River	Webster	168	163 97.0%	0 0.0%	1 0.6%	4 2.4%	80 47.6%	91 54.2%	159 94.6%	160 95.2%	159 94.6%

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LHD Districts or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
District IV Barren River		3,435	3,350 97.5%	27 0.8%	11 0.3%	47 1.4%	2,747 80.0%	2,643 76.9%	3,339 97.2%	3,380 98.4%	3,346 97.4%
District 04 Barren River	Barren	532	526 98.9%	2 0.4%	2 0.4%	2 0.4%	504 94.7%	502 94.4%	505 94.9%	526 98.9%	505 94.9%
District 04 Barren River	Butler	171	168 98.2%	1 0.6%	1 0.6%	1 0.6%	121 70.8%	116 67.8%	167 97.7%	168 98.2%	169 98.8%
District 04 Barren River	Edmonson	152	151 99.3%	0 0.0%	0 0.0%	1 0.7%	104 68.4%	99 65.1%	151 99.3%	151 99.3%	151 99.3%
District 04 Barren River	Hart	227	223 98.2%	0 0.0%	2 0.9%	2 0.9%	214 94.3%	211 93.0%	222 97.8%	223 98.2%	222 97.8%
District 04 Barren River	Logan	341	334 97.9%	1 0.3%	0 0.0%	6 1.8%	265 77.7%	263 77.1%	329 96.5%	338 99.1%	330 96.8%
District 04 Barren River	Metcalfe	120	120 100.0%	0 0.0%	0 0.0%	0 0.0%	97 80.8%	96 80.0%	120 100.0%	120 100.0%	120 100.0%
District 04 Barren River	Simpson	212	212 100.0%	0 0.0%	0 0.0%	0 0.0%	205 96.7%	201 94.8%	212 100.0%	212 100.0%	212 100.0%
District 04 Barren River	Warren	1,349	1,302 96.6%	21 1.5%	5 0.4%	21 1.5%	936 69.4%	858 63.6%	1,307 96.9%	1,316 97.6%	1,309 97.0%
Independent	Allen	197	181 91.9%	1 0.5%	1 0.5%	14 7.1%	185 93.9%	182 92.4%	196 99.5%	194 98.5%	196 99.5%
Independent	Monroe	134	133 99.3%	1 0.7%	0 0.0%	0 0.0%	116 86.6%	115 85.8%	130 97.0%	132 98.5%	132 98.5%

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	Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
District V Lincoln Trail		3,218	3,041 94.5%	5 0.2%	12 0.4%	160 5.0%	2,805 87.2%	2,799 87.0%	3,097 96.2%	3,145 97.7%	3,105 96.5%
District 05 Lincoln Trail	Hardin	1,093	1,042 95.3%	1 0.1%	3 0.3%	47 4.3%	935 85.5%	934 85.5%	1,032 94.4%	1,056 96.6%	1,035 94.7%
District 05 Lincoln Trail	LaRue	156	155 99.4%	0 0.0%	1 0.6%	0 0.0%	152 97.4%	154 98.7%	155 99.4%	154 98.7%	155 99.4%
District 05 Lincoln Trail	Marion	265	259 97.7%	0 0.0%	0 0.0%	6 2.3%	259 97.7%	259 97.7%	259 97.7%	257 97.0%	259 97.7%
District 05 Lincoln Trail	Meade	378	372 98.4%	2 0.5%	3 0.8%	1 0.3%	366 96.8%	367 97.1%	373 98.7%	376 99.5%	377 99.7%
District 05 Lincoln Trail	Nelson	569	467 82.1%	0 0.0%	1 0.2%	101 17.7%	418 73.5%	406 71.4%	530 93.1%	555 97.5%	530 93.1%
District 05 Lincoln Trail	Washington	144	140 97.2%	1 0.7%	2 1.4%	1 0.7%	127 88.2%	125 86.8%	139 96.5%	140 97.2%	139 96.5%
Independent	Breckinridge	278	274 98.6%	0 0.0%	0 0.0%	4 1.4%	247 88.8%	247 88.8%	275 98.9%	273 98.2%	275 98.9%
Independent	Grayson	335	332 99.1%	1 0.3%	2 0.6%	0 0.0%	301 89.9%	307 91.6%	334 99.7%	334 99.7%	335 100.0%

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	Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
District VI KIPDA		12,152	11,896 97.9%	38 0.3%	50 0.4%	168 1.4%	10,148 83.5%	10,045 82.7%	11,927 98.1%	11,907 98.0%	11,942 98.3%
District 06 North Central	Henry	232	229 98.7%	1 0.4%	2 0.9%	0 0.0%	222 95.7%	224 96.6%	230 99.1%	230 99.1%	232 100.0%
District 06 North Central	Shelby	510	500 98.0%	0 0.0%	2 0.4%	8 1.6%	348 68.2%	333 65.3%	503 98.6%	503 98.6%	505 99.0%
District 06 North Central	Spencer	216	216 100.0%	0 0.0%	0 0.0%	0 0.0%	216 100.0%	216 100.0%	216 100.0%	216 100.0%	216 100.0%
District 06 North Central	Trimble	108	105 97.2%	1 0.9%	0 0.0%	2 1.9%	98 90.7%	98 90.7%	106 98.1%	104 96.3%	104 96.3%
Independent	Bullitt	1,004	987 98.3%	3 0.3%	4 0.4%	10 1.0%	743 74.0%	733 73.0%	987 98.3%	986 98.2%	988 98.4%
Independent	Jefferson	9,003	8,792 97.7%	31 0.3%	32 0.4%	148 1.6%	7,459 82.9%	7,379 82.0%	8,816 97.9%	8,798 97.7%	8,820 98.0%
Independent	Oldham	1,079	1,067 98.9%	2 0.2%	10 0.9%	0 0.0%	1,062 98.4%	1,062 98.4%	1,069 99.1%	1,070 99.2%	1,077 99.8%

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	Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
District VII Northern Kentucky		6,065	5,943 98.0%	25 0.4%	57 0.9%	40 0.7%	5,515 90.9%	5,519 91.0%	5,965 98.4%	5,959 98.3%	6,005 99.0%
District 07A Subtotal		5,472	5,373 98.2%	24 0.4%	56 1.0%	19 0.3%	4,962 90.7%	4,968 90.8%	5,376 98.2%	5,371 98.2%	5,416 99.0%
District 07A Northern Kentucky	Boone	1,952	1,911 97.9%	8 0.4%	33 1.7%	0 0.0%	1,777 91.0%	1,785 91.4%	1,901 97.4%	1,901 97.4%	1,925 98.6%
District 07A Northern Kentucky	Campbell	1,010	992 98.2%	5 0.5%	11 1.1%	2 0.2%	941 93.2%	943 93.4%	994 98.4%	995 98.5%	1,004 99.4%
District 07A Northern Kentucky	Grant	348	345 99.1%	3 0.9%	0 0.0%	0 0.0%	309 88.8%	310 89.1%	345 99.1%	344 98.9%	346 99.4%
District 07A Northern Kentucky	Kenton	2,162	2,125 98.3%	8 0.4%	12 0.5%	17 0.8%	1,935 89.5%	1,930 89.3%	2,136 98.8%	2,131 98.6%	2,141 99.0%
District 07B Subtotal		593	570 96.1%	1 0.2%	1 0.2%	21 3.5%	553 93.3%	551 92.9%	589 99.3%	588 99.2%	589 99.3%
District 07B Three Rivers	Carroll	136	120 88.2%	0 0.0%	0 0.0%	16 11.8%	123 90.4%	121 89.0%	135 99.3%	135 99.3%	135 99.3%
District 07B Three Rivers	Gallatin	129	127 98.4%	1 0.8%	0 0.0%	1 0.8%	112 86.8%	112 86.8%	127 98.4%	127 98.4%	127 98.4%
District 07B Three Rivers	Owen	157	154 98.1%	0 0.0%	0 0.0%	3 1.9%	154 98.1%	154 98.1%	157 100.0%	157 100.0%	157 100.0%
District 07B Three Rivers	Pendleton	171	169 98.8%	0 0.0%	1 0.6%	1 0.6%	164 95.9%	164 95.9%	170 99.4%	169 98.8%	170 99.4%

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	Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
District VIII Buffalo Trace		640	630 98.4%	5 0.8%	1 0.2%	4 0.6%	568 88.8%	570 89.1%	630 98.4%	625 97.7%	630 98.4%
District 08 Buffalo Trace	Mason	226	222 98.2%	0 0.0%	0 0.0%	4 1.8%	187 82.7%	187 82.7%	218 96.5%	217 96.0%	218 96.5%
District 08 Buffalo Trace	Robertson	18	18 100.0%	0 0.0%	0 0.0%	0 0.0%	18 100.0%	18 100.0%	18 100.0%	18 100.0%	18 100.0%
Independent	Bracken	123	118 95.9%	4 3.3%	1 0.8%	0 0.0%	110 89.4%	109 88.6%	121 98.4%	118 95.9%	121 98.4%
Independent	Fleming	90	90 100.0%	0 0.0%	0 0.0%	0 0.0%	89 98.9%	89 98.9%	90 100.0%	90 100.0%	90 100.0%
Independent	Lewis	183	182 99.5%	1 0.5%	0 0.0%	0 0.0%	164 89.6%	167 91.3%	183 100.0%	182 99.5%	183 100.0%

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	Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
District IX Gateway		973	945 97.1%	4 0.4%	5 0.5%	19 2.0%	685 70.4%	680 69.9%	950 97.6%	931 95.7%	934 96.0%
District 09 Gateway	Bath	175	168 96.0%	0 0.0%	1 0.6%	6 3.4%	103 58.9%	99 56.6%	168 96.0%	167 95.4%	168 96.0%
District 09 Gateway	Menifee	63	63 100.0%	0 0.0%	0 0.0%	0 0.0%	63 100.0%	62 98.4%	63 100.0%	63 100.0%	63 100.0%
District 09 Gateway	Morgan	146	143 97.9%	0 0.0%	0 0.0%	3 2.1%	133 91.1%	133 91.1%	143 97.9%	137 93.8%	137 93.8%
District 09 Gateway	Rowan	240	229 95.4%	1 0.4%	3 1.3%	7 2.9%	118 49.2%	119 49.6%	231 96.3%	223 92.9%	224 93.3%
Independent	Montgomery	349	342 98.0%	3 0.8%	1 0.4%	3 0.8%	268 76.8%	267 76.5%	345 98.9%	341 97.7%	342 98.0%

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	Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
District X FIVCO		1,679	1,647 98.1%	6 0.4%	4 0.2%	22 1.3%	1,415 84.3%	1,407 83.8%	1,647 98.1%	1,639 97.6%	1,641 97.7%
District 10 Little Sandy	Carter	340	336 98.8%	2 0.6%	2 0.6%	0 0.0%	337 99.1%	333 97.9%	337 99.1%	338 99.4%	339 99.7%
District 10 Little Sandy	Elliott	63	63 100.0%	0 0.0%	0 0.0%	0 0.0%	55 87.3%	55 87.3%	63 100.0%	63 100.0%	63 100.0%
Independent	Boyd	585	565 96.6%	1 0.2%	2 0.3%	17 2.9%	441 75.4%	442 75.6%	564 96.4%	559 95.6%	559 95.6%
Independent	Greenup	484	481 99.4%	1 0.2%	0 0.0%	2 0.4%	412 85.1%	410 84.7%	480 99.2%	476 98.3%	477 98.6%
Independent	Lawrence	207	202 97.6%	2 1.0%	0 0.0%	3 1.4%	170 82.1%	167 80.7%	203 98.1%	203 98.1%	203 98.1%

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	Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
District XI Big Sandy		1,875	1,843 98.3%	3 0.2%	3 0.2%	26 1.4%	1,569 83.7%	1,552 82.8%	1,845 98.4%	1,842 98.2%	1,845 98.4%
Independent	Floyd	464	461 99.4%	0 0.0%	1 0.2%	2 0.4%	420 90.5%	415 89.4%	462 99.6%	461 99.4%	462 99.6%
Independent	Johnson	326	309 94.8%	1 0.3%	0 0.0%	16 4.9%	245 75.2%	245 75.2%	310 95.1%	306 93.9%	310 95.1%
Independent	Magoffin	156	152 97.4%	0 0.0%	0 0.0%	4 2.6%	66 42.3%	66 42.3%	151 96.8%	152 97.4%	151 96.8%
Independent	Martin	147	145 98.6%	0 0.0%	0 0.0%	2 1.4%	138 93.9%	133 90.5%	145 98.6%	145 98.6%	145 98.6%
Independent	Pike	782	776 99.1%	2 0.3%	2 0.3%	2 0.3%	700 89.5%	693 88.6%	777 99.4%	778 99.5%	777 99.4%

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	Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
District XII Kentucky River		1,296	1,267 97.8%	7 0.5%	4 0.3%	18 1.4%	1,090 84.1%	1,088 84.0%	1,259 97.1%	1,265 97.6%	1,259 97.1%
District 12 Kentucky River	Knott	176	175 99.4%	0 0.0%	1 0.6%	0 0.0%	131 74.4%	127 72.2%	175 99.4%	175 99.4%	175 99.4%
District 12 Kentucky River	Lee	48	45 93.8%	0 0.0%	0 0.0%	3 6.2%	22 45.8%	22 45.8%	43 89.6%	44 91.7%	43 89.6%
District 12 Kentucky River	Leslie	121	117 96.7%	2 1.7%	1 0.8%	1 0.8%	113 93.4%	113 93.4%	118 97.5%	119 98.3%	119 98.3%
District 12 Kentucky River	Letcher	282	282 100.0%	0 0.0%	0 0.0%	0 0.0%	270 95.7%	272 96.5%	278 98.6%	278 98.6%	278 98.6%
District 12 Kentucky River	Owsley	51	50 98.0%	1 2.0%	0 0.0%	0 0.0%	28 54.9%	29 56.9%	47 92.2%	45 88.2%	47 92.2%
District 12 Kentucky River	Perry	328	317 96.7%	4 1.2%	0 0.0%	7 2.1%	293 89.3%	295 89.9%	313 95.4%	319 97.3%	313 95.4%
District 12 Kentucky River	Wolfe	95	95 100.0%	0 0.0%	0 0.0%	0 0.0%	76 80.0%	75 78.9%	95 100.0%	95 100.0%	95 100.0%
Independent	Breathitt	195	186 95.4%	0 0.0%	2 1.0%	7 3.6%	157 80.5%	155 79.5%	190 97.4%	190 97.4%	189 96.9%

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	Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
District XIII Cumberland Valley		3,129	3,033 96.9%	5 0.2%	21 0.7%	70 2.2%	2,171 69.4%	2,092 66.9%	3,010 96.2%	2,990 95.6%	3,014 96.3%
District 13 Cumberland Valley	Clay	275	269 97.8%	0 0.0%	1 0.4%	5 1.8%	255 92.7%	257 93.5%	270 98.2%	269 97.8%	270 98.2%
District 13 Cumberland Valley	Jackson	145	143 98.6%	1 0.7%	1 0.7%	0 0.0%	144 99.3%	143 98.6%	144 99.3%	144 99.3%	145 100.0%
District 13 Cumberland Valley	Rockcastle	227	223 98.2%	0 0.0%	1 0.5%	3 1.3%	223 98.2%	223 98.2%	227 100.0%	227 100.0%	227 100.0%
Independent	Bell	358	349 97.5%	0 0.0%	0 0.0%	9 2.5%	97 27.1%	95 26.5%	346 96.6%	344 96.1%	345 96.4%
Independent	Harlan	339	321 94.7%	0 0.0%	1 0.3%	17 5.0%	296 87.3%	222 65.5%	292 86.1%	295 87.0%	292 86.1%
Independent	Knox	431	419 97.2%	0 0.0%	1 0.2%	11 2.6%	235 54.5%	234 54.3%	417 96.8%	412 95.6%	417 96.8%
Independent	Laurel	761	733 96.3%	3 0.4%	13 1.7%	12 1.6%	517 67.9%	512 67.3%	742 97.5%	726 95.4%	742 97.5%
Independent	Whitley	593	576 97.1%	1 0.2%	3 0.5%	13 2.2%	404 68.1%	406 68.5%	572 96.5%	573 96.6%	576 97.1%

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District XIV Lake Cumberland		2,465	2,426 98.4%	15 0.6%	13 0.5%	11 0.4%	2,261 91.7%	2,237 90.8%	2,434 98.7%	2,439 98.9%	2,444 99.1%
District 14 Lake Cumberland	Adair	185	184 99.5%	1 0.5%	0 0.0%	0 0.0%	178 96.2%	179 96.8%	184 99.5%	182 98.4%	182 98.4%
District 14 Lake Cumberland	Casey	165	160 97.0%	0 0.0%	1 0.6%	4 2.4%	131 79.4%	126 76.4%	158 95.8%	160 97.0%	160 97.0%
District 14 Lake Cumberland	Clinton	118	115 97.5%	1 0.8%	2 1.7%	0 0.0%	111 94.1%	108 91.5%	118 100.0%	117 99.2%	118 100.0%
District 14 Lake Cumberland	Cumberland	65	64 98.5%	0 0.0%	1 1.5%	0 0.0%	34 52.3%	31 47.7%	64 98.5%	65 100.0%	65 100.0%
District 14 Lake Cumberland	Green	129	126 97.7%	2 1.5%	1 0.8%	0 0.0%	116 89.9%	112 86.8%	129 100.0%	127 98.4%	129 100.0%
District 14 Lake Cumberland	McCreary	224	217 97.0%	5 2.2%	1 0.4%	1 0.4%	218 97.3%	218 97.3%	223 99.6%	221 98.7%	223 99.6%
District 14 Lake Cumberland	Pulaski	827	819 99.0%	3 0.4%	2 0.2%	3 0.4%	769 93.0%	762 92.1%	816 98.7%	821 99.3%	816 98.7%
District 14 Lake Cumberland	Russell	207	206 99.5%	0 0.0%	1 0.5%	0 0.0%	201 97.1%	198 95.7%	203 98.1%	206 99.5%	207 100.0%
District 14 Lake Cumberland	Taylor	293	284 97.0%	3 1.0%	3 1.0%	3 1.0%	253 86.3%	253 86.3%	288 98.3%	289 98.6%	292 99.7%
District 14 Lake Cumberland	Wayne	252	251 99.6%	0 0.0%	1 0.4%	0 0.0%	250 99.2%	250 99.2%	251 99.6%	251 99.6%	252 100.0%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — ADD Profiles
Immunization Coverage in Sixth Grade

LHD Districts or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
District XV Bluegrass		9,197	8,963 97.5%	31 0.3%	55 0.6%	148 1.6%	7,225 78.6%	7,090 77.1%	8,969 97.5%	8,949 97.3%	8,995 97.8%
<i>Bluegrass Capital Region Subtotal</i>		<i>2,985</i>	<i>2,853</i> 95.6%	<i>9</i> 0.3%	<i>20</i> 0.7%	<i>103</i> 3.5%	<i>2,310</i> 77.4%	<i>2,284</i> 76.5%	<i>2,862</i> 95.9%	<i>2,854</i> 95.6%	<i>2,876</i> 96.3%
District 15 WEDCO	Harrison	222	214 96.4%	1 0.4%	2 0.9%	5 2.3%	158 71.2%	158 71.2%	215 96.8%	214 96.4%	216 97.3%
District 15 WEDCO	Nicholas	83	83 100.0%	0 0.0%	0 0.0%	0 0.0%	78 94.0%	79 95.2%	83 100.0%	83 100.0%	83 100.0%
District 15 WEDCO	Scott	568	550 96.8%	1 0.2%	3 0.5%	14 2.5%	408 71.8%	407 71.7%	547 96.3%	550 96.8%	553 97.4%
Independent	Anderson	324	318 98.2%	1 0.3%	2 0.6%	3 0.9%	290 89.5%	279 86.1%	319 98.5%	318 98.1%	320 98.8%
Independent	Bourbon	266	260 97.7%	1 0.4%	2 0.8%	3 1.1%	174 65.4%	170 63.9%	266 100.0%	258 97.0%	266 100.0%
Independent	Franklin	621	540 87.0%	0 0.0%	5 0.8%	76 12.2%	325 52.3%	318 51.2%	540 87.0%	539 86.8%	543 87.4%
Independent	Jessamine	578	567 98.1%	5 0.9%	4 0.7%	2 0.3%	560 96.9%	556 96.2%	572 99.0%	571 98.8%	572 99.0%
Independent	Woodford	323	321 99.4%	0 0.0%	2 0.6%	0 0.0%	317 98.1%	317 98.1%	320 99.1%	321 99.4%	323 100.0%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — ADD Profiles

Immunization Coverage in Sixth Grade

LHD Districts or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
District XV Bluegrass		9,197	8,963 97.5%	31 0.3%	55 0.6%	148 1.6%	7,225 78.6%	7,090 77.1%	8,969 97.5%	8,949 97.3%	8,995 97.8%
Bluegrass South Region Subtotal		2,719	2,657 97.7%	9 0.3%	13 0.5%	40 1.5%	2,162 79.5%	2,089 76.8%	2,664 98.0%	2,657 97.7%	2,667 98.1%
Independent	Boyle	362	357 98.6%	0 0.0%	1 0.3%	4 1.1%	309 85.4%	308 85.1%	356 98.3%	354 97.8%	355 98.1%
Independent	Clark	458	443 96.7%	0 0.0%	2 0.5%	13 2.8%	235 51.3%	226 49.3%	438 95.6%	441 96.3%	443 96.7%
Independent	Estill	185	183 98.9%	0 0.0%	0 0.0%	2 1.1%	137 74.1%	135 73.0%	183 98.9%	182 98.4%	182 98.4%
Independent	Garrard	180	179 99.4%	1 0.6%	0 0.0%	0 0.0%	174 96.7%	114 63.3%	172 95.6%	172 95.6%	172 95.6%
Independent	Lincoln	285	282 98.9%	0 0.0%	2 0.7%	1 0.4%	217 76.1%	216 75.8%	284 99.6%	284 99.6%	285 100.0%
Independent	Madison	788	761 96.5%	6 0.8%	6 0.8%	15 1.9%	739 93.8%	738 93.7%	778 98.7%	773 98.1%	777 98.6%
Independent	Mercer	264	261 98.9%	2 0.7%	1 0.4%	0 0.0%	250 94.7%	251 95.1%	261 98.9%	260 98.5%	261 98.9%
Independent	Powell	197	191 97.0%	0 0.0%	1 0.5%	5 2.5%	101 51.3%	101 51.3%	192 97.5%	191 97.0%	192 97.5%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — ADD Profiles
Immunization Coverage in Sixth Grade

LHD Districts or Independent Counties	County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella
	Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
District XV Bluegrass		9,197	8,963 97.5%	31 0.3%	55 0.6%	148 1.6%	7,225 78.6%	7,090 77.1%	8,969 97.5%	8,949 97.3%	8,995 97.8%
<i>Lexington-Fayette Region Subtotal</i>		3,493	3,453 98.9%	13 0.4%	22 0.6%	5 0.1%	2,753 78.8%	2,717 77.8%	3,443 98.6%	3,438 98.4%	3,452 98.8%
Independent	Fayette	3,493	3,453 98.9%	13 0.4%	22 0.6%	5 0.1%	2,753 78.8%	2,717 77.8%	3,443 98.6%	3,438 98.4%	3,452 98.8%

APPENDIX D

KENTUCKY ANNUAL SCHOOL IMMUNIZATION SURVEY REPORT 2015 – 2016

County Profiles About Immunization Coverage in All Schools

County Profiles About Immunization Coverage in All Schools

Each age-specific report for Kindergarten (Appendix D-1) or Sixth Grade (Appendix D-2) provided aggregate totals of immunization certificate types (i.e., Current, Medical or Religious Exemptions, and Missing) and age appropriate immunizations for each county. Survey results were summarized for all schools (i.e., public and private) in each county, with data from the County Profiles (Appendix B).

Each county report included county totals/coverage rates, with coverage rates (percentage) for each certificate type, and age-appropriate vaccinations. Children having the minimum number of doses for each immunization, as reported by each school, were considered compliant.

Several objectives for Immunizations are defined by Healthy People 2020 (HP 2020), <http://www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases>. The attainment of age-appropriate target measures for these Objectives is used annually by the Kentucky Immunization Program to identify schools that have been successful with vaccination compliance for school age children in the survey year.

The age-appropriate HP 2020 target measures, assessed in schools, were:

Kindergarten, by selected vaccines and doses:

- 95% or greater for 4+ DTaP, 3+ Polio, 3+ HepB, 2 MMR, and 2 Varicella;

Sixth Grade, by selected vaccines and doses:


- 80% or greater for 1 Tdap and 1 MCV; and
- 90% or greater for 2 Varicella.

Two target Immunizations measures defined by the Kentucky Immunization Program (KIP) for adolescents, were adapted from definitions in Healthy People 2010 Objectives, (https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/DATA2010/Focusarea14/O1427a.pdf) and (https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/DATA2010/Focusarea14/O1427b.pdf).

The age-appropriate KIP target measures, assessed in schools, were:

Sixth Grade:

- 95% or greater for 3 HepB and 2 MMR.

If any of the age-appropriate HP 2020 or KIP target measures were not met for a county, the cell for the corresponding vaccine (COLUMN) for a given county (ROW) has been highlighted in red. 

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Profiles
Immunization Coverage in Kindergarten for All Schools

County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
Adair	201	200 99.5%	1 0.5%	0 0.0%	0 0.0%	198 98.5%	200 99.5%	199 99.0%	199 99.0%	196 97.5%
Allen	234	232 99.2%	0 0.0%	1 0.4%	1 0.4%	231 98.7%	231 98.7%	229 97.9%	231 98.7%	231 98.7%
Anderson	241	237 98.4%	1 0.4%	2 0.8%	1 0.4%	235 97.5%	238 98.8%	238 98.8%	237 98.3%	232 96.3%
Ballard	93	93 100.0%	0 0.0%	0 0.0%	0 0.0%	93 100.0%	93 100.0%	93 100.0%	93 100.0%	92 98.9%
Barren	611	595 97.4%	2 0.3%	6 1.0%	8 1.3%	591 96.7%	591 96.7%	586 95.9%	587 96.1%	584 95.6%
Bath	147	130 88.4%	1 0.7%	0 0.0%	16 10.9%	130 88.4%	131 89.1%	129 87.8%	128 87.1%	128 87.1%
Bell	347	313 90.2%	3 0.9%	3 0.9%	28 8.0%	309 89.0%	310 89.3%	304 87.6%	293 84.4%	299 86.2%
Boone	1,761	1,721 97.7%	7 0.4%	29 1.7%	4 0.2%	1,721 97.7%	1,722 97.8%	1,718 97.6%	1,703 96.7%	1,696 96.3%
Bourbon	275	266 96.7%	0 0.0%	1 0.4%	8 2.9%	265 96.4%	265 96.4%	264 96.0%	263 95.6%	262 95.3%
Boyd	622	593 95.4%	2 0.3%	5 0.8%	22 3.5%	591 95.0%	591 95.0%	589 94.7%	578 92.9%	568 91.3%
Boyle	358	339 94.7%	1 0.3%	2 0.5%	16 4.5%	335 93.6%	335 93.6%	333 93.0%	332 92.7%	326 91.1%
Bracken	114	113 99.1%	0 0.0%	1 0.9%	0 0.0%	112 98.2%	113 99.1%	110 96.5%	110 96.5%	109 95.6%
Breathitt	188	172 91.5%	0 0.0%	0 0.0%	16 8.5%	165 87.8%	167 88.8%	168 89.4%	161 85.6%	158 84.0%
Breckinridge	266	260 97.7%	1 0.4%	1 0.4%	4 1.5%	259 97.4%	260 97.7%	260 97.7%	255 95.9%	253 95.1%
Bullitt	877	805 91.8%	1 0.1%	5 0.6%	66 7.5%	790 90.1%	794 90.5%	793 90.4%	782 89.2%	778 88.7%
Butler	145	136 93.8%	0 0.0%	0 0.0%	9 6.2%	136 93.8%	136 93.8%	134 92.4%	136 93.8%	135 93.1%
Caldwell	145	133 91.7%	0 0.0%	0 0.0%	12 8.3%	132 91.0%	133 91.7%	132 91.0%	132 91.0%	131 90.3%
Calloway	362	353 97.5%	0 0.0%	5 1.4%	4 1.1%	353 97.5%	353 97.5%	353 97.5%	352 97.2%	351 97.0%
Campbell	1,074	1,032 96.1%	4 0.4%	7 0.6%	31 2.9%	1,025 95.4%	1,028 95.7%	1,025 95.4%	1,018 94.8%	1,006 93.7%
Carlisle	39	37 94.9%	0 0.0%	2 5.1%	0 0.0%	37 94.9%	37 94.9%	37 94.9%	36 92.3%	36 92.3%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Profiles
Immunization Coverage in Kindergarten for All Schools

County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
Carroll	171	147 86.0%	0 0.0%	0 0.0%	24 14.0%	133 77.8%	136 79.5%	143 83.6%	144 84.2%	123 71.9%
Carter	352	338 96.0%	2 0.6%	2 0.6%	10 2.8%	336 95.5%	336 95.5%	337 95.7%	322 91.5%	323 91.8%
Casey	159	143 89.9%	0 0.0%	2 1.3%	14 8.8%	138 86.8%	138 86.8%	137 86.2%	137 86.2%	135 84.9%
Christian	799	733 91.8%	1 0.1%	1 0.1%	64 8.0%	706 88.4%	709 88.7%	701 87.7%	684 85.6%	684 85.6%
Clark	404	393 97.3%	0 0.0%	3 0.7%	8 2.0%	383 94.8%	387 95.8%	367 90.8%	380 94.1%	378 93.6%
Clay	283	265 93.6%	0 0.0%	0 0.0%	18 6.4%	264 93.3%	265 93.6%	262 92.6%	260 91.9%	263 92.9%
Clinton	132	129 97.7%	0 0.0%	2 1.5%	1 0.8%	129 97.7%	127 96.2%	128 97.0%	125 94.7%	125 94.7%
Crittenden	107	94 87.9%	0 0.0%	3 2.8%	10 9.3%	93 86.9%	97 90.7%	97 90.7%	96 89.7%	92 86.0%
Cumberland	71	68 95.8%	0 0.0%	0 0.0%	3 4.2%	68 95.8%	68 95.8%	68 95.8%	66 93.0%	67 94.4%
Daviess	1,423	1,355 95.2%	2 0.1%	5 0.4%	61 4.3%	1,327 93.3%	1,334 93.7%	1,336 93.9%	1,151 80.9%	1,093 76.8%
Edmonson	139	132 95.0%	0 0.0%	0 0.0%	7 5.0%	131 94.2%	130 93.5%	129 92.8%	131 94.2%	131 94.2%
Elliott	78	77 98.7%	0 0.0%	0 0.0%	1 1.3%	75 96.2%	75 96.2%	77 98.7%	75 96.2%	76 97.4%
Estill	167	149 89.2%	0 0.0%	1 0.6%	17 10.2%	150 89.8%	150 89.8%	149 89.2%	144 86.2%	142 85.0%
Fayette	3,658	3,563 97.4%	10 0.3%	47 1.3%	38 1.0%	3,527 96.4%	3,543 96.9%	3,528 96.4%	3,483 95.2%	3,461 94.6%
Fleming	171	168 98.2%	3 1.8%	0 0.0%	0 0.0%	168 98.2%	170 99.4%	168 98.2%	168 98.2%	167 97.7%
Floyd	547	538 98.3%	1 0.2%	1 0.2%	7 1.3%	533 97.4%	534 97.6%	536 98.0%	529 96.7%	524 95.8%
Franklin	615	573 93.1%	1 0.2%	1 0.2%	40 6.5%	567 92.2%	574 93.3%	565 91.9%	538 87.5%	524 85.2%
Fulton	83	83 100.0%	0 0.0%	0 0.0%	0 0.0%	83 100.0%	83 100.0%	83 100.0%	83 100.0%	83 100.0%
Gallatin	117	113 96.6%	1 0.9%	0 0.0%	3 2.5%	113 96.6%	114 97.4%	113 96.6%	108 92.3%	105 89.7%
Garrard	182	170 93.4%	0 0.0%	0 0.0%	12 6.6%	141 77.5%	145 79.7%	151 83.0%	141 77.5%	140 76.9%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Profiles
Immunization Coverage in Kindergarten for All Schools

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Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
Grant	318	314 98.7%	3 1.0%	1 0.3%	0 0.0%	304 95.6%	312 98.1%	311 97.8%	309 97.2%	306 96.2%
Graves	473	464 98.1%	0 0.0%	4 0.8%	5 1.1%	459 97.0%	466 98.5%	463 97.9%	455 96.2%	451 95.3%
Grayson	304	302 99.4%	1 0.3%	0 0.0%	1 0.3%	301 99.0%	302 99.3%	302 99.3%	298 98.0%	296 97.4%
Green	112	105 93.7%	1 0.9%	0 0.0%	6 5.4%	106 94.6%	106 94.6%	106 94.6%	105 93.8%	106 94.6%
Greenup	480	463 96.5%	2 0.4%	1 0.2%	14 2.9%	457 95.2%	461 96.0%	457 95.2%	453 94.4%	446 92.9%
Hancock	118	112 94.9%	0 0.0%	2 1.7%	4 3.4%	110 93.2%	111 94.1%	111 94.1%	109 92.4%	108 91.5%
Hardin	1,013	905 89.3%	1 0.1%	4 0.4%	103 10.2%	891 88.0%	892 88.1%	879 86.8%	865 85.4%	864 85.3%
Harlan	342	300 87.7%	0 0.0%	1 0.3%	41 12.0%	288 84.2%	290 84.8%	282 82.5%	284 83.0%	285 83.3%
Harrison	215	197 91.6%	0 0.0%	0 0.0%	18 8.4%	196 91.2%	196 91.2%	194 90.2%	192 89.3%	190 88.4%
Hart	165	163 98.8%	0 0.0%	2 1.2%	0 0.0%	163 98.8%	163 98.8%	163 98.8%	162 98.2%	162 98.2%
Henderson	547	540 98.7%	0 0.0%	2 0.4%	5 0.9%	536 98.0%	538 98.4%	533 97.4%	525 96.0%	532 97.3%
Henry	189	185 97.9%	0 0.0%	3 1.6%	1 0.5%	181 95.8%	183 96.8%	185 97.9%	182 96.3%	181 95.8%
Hickman	46	46 100.0%	0 0.0%	0 0.0%	0 0.0%	46 100.0%	46 100.0%	46 100.0%	46 100.0%	46 100.0%
Hopkins	607	595 98.0%	0 0.0%	11 1.8%	1 0.2%	594 97.9%	594 97.9%	595 98.0%	586 96.5%	584 96.2%
Jackson	200	200 100.0%	0 0.0%	0 0.0%	0 0.0%	200 100.0%	199 99.5%	199 99.5%	198 99.0%	197 98.5%
Jefferson	9,323	8,723 93.6%	23 0.2%	71 0.8%	506 5.4%	8,621 92.5%	8,674 93.0%	8,630 92.6%	8,526 91.5%	8,437 90.5%
Jessamine	598	585 97.9%	2 0.3%	9 1.5%	2 0.3%	575 96.2%	577 96.5%	571 95.5%	569 95.2%	569 95.2%
Johnson	299	270 90.3%	1 0.3%	4 1.4%	24 8.0%	270 90.3%	269 90.0%	271 90.6%	266 89.0%	265 88.6%
Kenton	2,248	2,162 96.2%	5 0.2%	20 0.9%	61 2.7%	2,143 95.3%	2,151 95.7%	2,153 95.8%	2,120 94.3%	2,101 93.5%
Knott	190	188 99.0%	1 0.5%	1 0.5%	0 0.0%	186 97.9%	188 98.9%	187 98.4%	186 97.9%	181 95.3%

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Immunization Coverage in Kindergarten for All Schools

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Knox	437	376 86.1%	1 0.2%	0 0.0%	60 13.7%	365 83.5%	372 85.1%	362 82.8%	347 79.4%	340 77.8%
LaRue	135	135 100.0%	0 0.0%	0 0.0%	0 0.0%	135 100.0%	135 100.0%	135 100.0%	135 100.0%	134 99.3%
Laurel	696	651 93.5%	0 0.0%	2 0.3%	43 6.2%	619 88.9%	627 90.1%	626 89.9%	604 86.8%	602 86.5%
Lawrence	202	176 87.1%	0 0.0%	0 0.0%	26 12.9%	168 83.2%	171 84.7%	167 82.7%	160 79.2%	160 79.2%
Lee	87	76 87.4%	0 0.0%	0 0.0%	11 12.6%	76 87.4%	76 87.4%	76 87.4%	75 86.2%	73 83.9%
Leslie	129	127 98.4%	1 0.8%	0 0.0%	1 0.8%	127 98.4%	128 99.2%	128 99.2%	125 96.9%	126 97.7%
Letcher	284	268 94.4%	2 0.7%	3 1.0%	11 3.9%	268 94.4%	270 95.1%	271 95.4%	260 91.5%	262 92.3%
Lewis	147	146 99.3%	0 0.0%	1 0.7%	0 0.0%	141 95.9%	143 97.3%	145 98.6%	139 94.6%	139 94.6%
Lincoln	256	249 97.2%	0 0.0%	3 1.2%	4 1.6%	245 95.7%	248 96.9%	247 96.5%	244 95.3%	242 94.5%
Livingston	97	89 91.8%	0 0.0%	0 0.0%	8 8.2%	88 90.7%	87 89.7%	87 89.7%	88 90.7%	83 85.6%
Logan	332	314 94.6%	1 0.3%	3 0.9%	14 4.2%	296 89.2%	298 89.8%	308 92.8%	288 86.7%	284 85.5%
Lyon	73	71 97.3%	0 0.0%	0 0.0%	2 2.7%	70 95.9%	69 94.5%	63 86.3%	69 94.5%	67 91.8%
Madison	1,073	1,038 96.7%	4 0.4%	10 0.9%	21 2.0%	1,029 95.9%	1,037 96.6%	1,034 96.4%	994 92.6%	991 92.4%
Magoffin	152	133 87.5%	0 0.0%	0 0.0%	19 12.5%	133 87.5%	132 86.8%	133 87.5%	127 83.6%	128 84.2%
Marion	228	223 97.8%	0 0.0%	0 0.0%	5 2.2%	223 97.8%	223 97.8%	223 97.8%	222 97.4%	219 96.1%
Marshall	416	400 96.2%	0 0.0%	5 1.2%	11 2.6%	391 94.0%	391 94.0%	388 93.3%	385 92.5%	381 91.6%
Martin	150	146 97.3%	1 0.7%	0 0.0%	3 2.0%	146 97.3%	146 97.3%	146 97.3%	146 97.3%	146 97.3%
Mason	218	195 89.4%	0 0.0%	1 0.5%	22 10.1%	189 86.7%	190 87.2%	178 81.7%	165 75.7%	163 74.8%
McCracken	844	781 92.5%	5 0.6%	7 0.8%	51 6.1%	782 92.7%	781 92.5%	778 92.2%	770 91.2%	752 89.1%
McCreary	221	218 98.5%	1 0.5%	1 0.5%	1 0.5%	217 98.2%	217 98.2%	217 98.2%	210 95.0%	210 95.0%

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County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella
Kentucky (Total)	53,983	51,382 95.2%	128 0.2%	379 0.7%	2,094 3.9%	50,755 94.0%	50,993 94.5%	50,767 94.0%	49,843 92.3%	49,404 91.5%
McLean	120	116 96.6%	0 0.0%	2 1.7%	2 1.7%	113 94.2%	107 89.2%	114 95.0%	92 76.7%	90 75.0%
Meade	316	311 98.4%	0 0.0%	5 1.6%	0 0.0%	310 98.1%	310 98.1%	310 98.1%	310 98.1%	308 97.5%
Menifee	86	86 100.0%	0 0.0%	0 0.0%	0 0.0%	85 98.8%	86 100.0%	86 100.0%	86 100.0%	86 100.0%
Mercer	233	231 99.1%	0 0.0%	2 0.9%	0 0.0%	230 98.7%	230 98.7%	231 99.1%	229 98.3%	227 97.4%
Metcalfe	115	114 99.1%	1 0.9%	0 0.0%	0 0.0%	114 99.1%	114 99.1%	113 98.3%	111 96.5%	111 96.5%
Monroe	129	125 96.9%	1 0.8%	1 0.8%	2 1.5%	122 94.6%	123 95.3%	122 94.6%	122 94.6%	121 93.8%
Montgomery	381	337 88.5%	0 0.0%	0 0.0%	44 11.5%	326 85.6%	329 86.4%	319 83.7%	316 82.9%	318 83.5%
Morgan	148	146 98.6%	1 0.7%	1 0.7%	0 0.0%	148 100.0%	148 100.0%	148 100.0%	147 99.3%	146 98.6%
Muhlenberg	352	338 96.0%	0 0.0%	3 0.9%	11 3.1%	336 95.5%	334 94.9%	328 93.2%	299 84.9%	301 85.5%
Nelson	614	564 91.9%	0 0.0%	1 0.1%	49 8.0%	564 91.9%	564 91.9%	563 91.7%	543 88.4%	539 87.8%
Nicholas	86	86 100.0%	0 0.0%	0 0.0%	0 0.0%	86 100.0%	86 100.0%	86 100.0%	86 100.0%	84 97.7%
Ohio	339	290 85.5%	0 0.0%	0 0.0%	49 14.5%	284 83.8%	285 84.1%	287 84.7%	270 79.6%	261 77.0%
Oldham	843	830 98.5%	2 0.2%	9 1.1%	2 0.2%	822 97.5%	828 98.2%	826 98.0%	817 96.9%	815 96.7%
Owen	131	128 97.7%	0 0.0%	3 2.3%	0 0.0%	126 96.2%	128 97.7%	124 94.7%	124 94.7%	125 95.4%
Owsley	55	52 94.5%	0 0.0%	0 0.0%	3 5.5%	52 94.5%	51 92.7%	51 92.7%	52 94.5%	52 94.5%
Pendleton	174	174 100.0%	0 0.0%	0 0.0%	0 0.0%	170 97.7%	171 98.3%	169 97.1%	168 96.6%	169 97.1%
Perry	375	354 94.4%	5 1.3%	0 0.0%	16 4.3%	354 94.4%	354 94.4%	349 93.1%	348 92.8%	344 91.7%
Pike	714	695 97.3%	0 0.0%	1 0.2%	18 2.5%	700 98.0%	703 98.5%	704 98.6%	693 97.1%	689 96.5%
Powell	170	147 86.5%	0 0.0%	0 0.0%	23 13.5%	147 86.5%	147 86.5%	145 85.3%	143 84.1%	145 85.3%
Pulaski	676	615 91.0%	3 0.4%	3 0.4%	55 8.2%	604 89.3%	611 90.4%	614 90.8%	604 89.3%	604 89.3%

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Robertson	18	17 94.4%	1 5.6%	0 0.0%	0 0.0%	18 100.0%	18 100.0%	18 100.0%	17 94.4%	17 94.4%
Rockcastle	180	179 99.4%	0 0.0%	1 0.6%	0 0.0%	176 97.8%	178 98.9%	177 98.3%	177 98.3%	177 98.3%
Rowan	253	238 94.0%	6 2.4%	1 0.4%	8 3.2%	236 93.3%	238 94.1%	238 94.1%	235 92.9%	233 92.1%
Russell	272	272 100.0%	0 0.0%	0 0.0%	0 0.0%	267 98.2%	270 99.3%	270 99.3%	268 98.5%	265 97.4%
Scott	844	816 96.7%	1 0.1%	3 0.4%	24 2.8%	796 94.3%	801 94.9%	814 96.4%	795 94.2%	783 92.8%
Shelby	521	506 97.1%	0 0.0%	6 1.2%	9 1.7%	501 96.2%	499 95.8%	499 95.8%	485 93.1%	480 92.1%
Simpson	206	205 99.5%	0 0.0%	1 0.5%	0 0.0%	205 99.5%	205 99.5%	203 98.5%	204 99.0%	205 99.5%
Spencer	189	185 97.8%	2 1.1%	2 1.1%	0 0.0%	187 98.9%	187 98.9%	187 98.9%	186 98.4%	185 97.9%
Taylor	314	308 98.1%	0 0.0%	5 1.6%	1 0.3%	308 98.1%	309 98.4%	307 97.8%	303 96.5%	306 97.5%
Todd	128	122 95.3%	1 0.8%	1 0.8%	4 3.1%	121 94.5%	122 95.3%	121 94.5%	120 93.8%	120 93.8%
Trigg	146	145 99.3%	0 0.0%	0 0.0%	1 0.7%	143 97.9%	144 98.6%	144 98.6%	143 97.9%	143 97.9%
Trimble	95	89 93.7%	0 0.0%	0 0.0%	6 6.3%	88 92.6%	88 92.6%	88 92.6%	87 91.6%	87 91.6%
Union	170	165 97.0%	1 0.6%	3 1.8%	1 0.6%	165 97.1%	165 97.1%	165 97.1%	160 94.1%	160 94.1%
Warren	1,370	1,333 97.3%	0 0.0%	10 0.7%	27 2.0%	1,315 96.0%	1,323 96.6%	1,299 94.8%	1,304 95.2%	1,281 93.5%
Washington	150	145 96.6%	0 0.0%	1 0.7%	4 2.7%	142 94.7%	145 96.7%	145 96.7%	140 93.3%	139 92.7%
Wayne	231	229 99.2%	0 0.0%	1 0.4%	1 0.4%	228 98.7%	228 98.7%	227 98.3%	227 98.3%	227 98.3%
Webster	176	161 91.5%	0 0.0%	0 0.0%	15 8.5%	157 89.2%	158 89.8%	158 89.8%	158 89.8%	155 88.1%
Whitley	557	526 94.4%	2 0.4%	0 0.0%	29 5.2%	523 93.9%	526 94.4%	522 93.7%	518 93.0%	516 92.6%
Wolfe	94	94 100.0%	0 0.0%	0 0.0%	0 0.0%	93 98.9%	93 98.9%	93 98.9%	92 97.9%	92 97.9%
Woodford	290	286 98.6%	0 0.0%	3 1.0%	1 0.4%	285 98.3%	285 98.3%	284 97.9%	284 97.9%	282 97.2%

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County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella
Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
Adair	185	184 99.5%	1 0.5%	0 0.0%	0 0.0%	178 96.2%	179 96.8%	184 99.5%	182 98.4%	182 98.4%
Allen	197	181 91.9%	1 0.5%	1 0.5%	14 7.1%	185 93.9%	182 92.4%	196 99.5%	194 98.5%	196 99.5%
Anderson	324	318 98.2%	1 0.3%	2 0.6%	3 0.9%	290 89.5%	279 86.1%	319 98.5%	318 98.1%	320 98.8%
Ballard	97	96 99.0%	0 0.0%	1 1.0%	0 0.0%	97 100.0%	97 100.0%	97 100.0%	97 100.0%	97 100.0%
Barren	532	526 98.8%	2 0.4%	2 0.4%	2 0.4%	504 94.7%	502 94.4%	505 94.9%	526 98.9%	505 94.9%
Bath	175	168 96.0%	0 0.0%	1 0.6%	6 3.4%	103 58.9%	99 56.6%	168 96.0%	167 95.4%	168 96.0%
Bell	358	349 97.5%	0 0.0%	0 0.0%	9 2.5%	97 27.1%	95 26.5%	346 96.6%	344 96.1%	345 96.4%
Boone	1,952	1,911 97.9%	8 0.4%	33 1.7%	0 0.0%	1,777 91.0%	1,785 91.4%	1,901 97.4%	1,901 97.4%	1,925 98.6%
Bourbon	266	260 97.7%	1 0.4%	2 0.8%	3 1.1%	174 65.4%	170 63.9%	266 100.0%	258 97.0%	266 100.0%
Boyd	585	565 96.6%	1 0.2%	2 0.3%	17 2.9%	441 75.4%	442 75.6%	564 96.4%	559 95.6%	559 95.6%
Boyle	362	357 98.6%	0 0.0%	1 0.3%	4 1.1%	309 85.4%	308 85.1%	356 98.3%	354 97.8%	355 98.1%
Bracken	123	118 95.9%	4 3.3%	1 0.8%	0 0.0%	110 89.4%	109 88.6%	121 98.4%	118 95.9%	121 98.4%
Breathitt	195	186 95.4%	0 0.0%	2 1.0%	7 3.6%	157 80.5%	155 79.5%	190 97.4%	190 97.4%	189 96.9%
Breckinridge	278	274 98.6%	0 0.0%	0 0.0%	4 1.4%	247 88.8%	247 88.8%	275 98.9%	273 98.2%	275 98.9%
Bullitt	1,004	987 98.3%	3 0.3%	4 0.4%	10 1.0%	743 74.0%	733 73.0%	987 98.3%	986 98.2%	988 98.4%
Butler	171	168 98.2%	1 0.6%	1 0.6%	1 0.6%	121 70.8%	116 67.8%	167 97.7%	168 98.2%	169 98.8%
Caldwell	136	135 99.3%	0 0.0%	0 0.0%	1 0.7%	109 80.1%	104 76.5%	135 99.3%	134 98.5%	134 98.5%
Calloway	312	304 97.4%	2 0.7%	6 1.9%	0 0.0%	299 95.8%	301 96.5%	307 98.4%	307 98.4%	307 98.4%
Campbell	1,010	992 98.2%	5 0.5%	11 1.1%	2 0.2%	941 93.2%	943 93.4%	994 98.4%	995 98.5%	1,004 99.4%
Carlisle	55	54 98.2%	0 0.0%	1 1.8%	0 0.0%	48 87.3%	47 85.5%	54 98.2%	54 98.2%	54 98.2%

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County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella
Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
Carroll	136	120 88.2%	0 0.0%	0 0.0%	16 11.8%	123 90.4%	121 89.0%	135 99.3%	135 99.3%	135 99.3%
Carter	340	336 98.8%	2 0.6%	2 0.6%	0 0.0%	337 99.1%	333 97.9%	337 99.1%	338 99.4%	339 99.7%
Casey	165	160 97.0%	0 0.0%	1 0.6%	4 2.4%	131 79.4%	126 76.4%	158 95.8%	160 97.0%	160 97.0%
Christian	735	717 97.6%	0 0.0%	3 0.4%	15 2.0%	413 56.2%	393 53.5%	714 97.1%	715 97.3%	715 97.3%
Clark	458	443 96.7%	0 0.0%	2 0.5%	13 2.8%	235 51.3%	226 49.3%	438 95.6%	441 96.3%	443 96.7%
Clay	275	269 97.8%	0 0.0%	1 0.4%	5 1.8%	255 92.7%	257 93.5%	270 98.2%	269 97.8%	270 98.2%
Clinton	118	115 97.5%	1 0.8%	2 1.7%	0 0.0%	111 94.1%	108 91.5%	118 100.0%	117 99.2%	118 100.0%
Crittenden	104	103 99.0%	0 0.0%	0 0.0%	1 1.0%	94 90.4%	93 89.4%	103 99.0%	103 99.0%	103 99.0%
Cumberland	65	64 98.5%	0 0.0%	1 1.5%	0 0.0%	34 52.3%	31 47.7%	64 98.5%	65 100.0%	65 100.0%
Daviess	1,357	1,331 98.1%	2 0.1%	9 0.7%	15 1.1%	1,205 88.8%	1,193 87.9%	1,337 98.5%	1,336 98.5%	1,343 99.0%
Edmonson	152	151 99.3%	0 0.0%	0 0.0%	1 0.7%	104 68.4%	99 65.1%	151 99.3%	151 99.3%	151 99.3%
Elliott	63	63 100.0%	0 0.0%	0 0.0%	0 0.0%	55 87.3%	55 87.3%	63 100.0%	63 100.0%	63 100.0%
Estill	185	183 98.9%	0 0.0%	0 0.0%	2 1.1%	137 74.1%	135 73.0%	183 98.9%	182 98.4%	182 98.4%
Fayette	3,493	3,453 98.9%	13 0.4%	22 0.6%	5 0.1%	2,753 78.8%	2,717 77.8%	3,443 98.6%	3,438 98.4%	3,452 98.8%
Fleming	90	90 100.0%	0 0.0%	0 0.0%	0 0.0%	89 98.9%	89 98.9%	90 100.0%	90 100.0%	90 100.0%
Floyd	464	461 99.4%	0 0.0%	1 0.2%	2 0.4%	420 90.5%	415 89.4%	462 99.6%	461 99.4%	462 99.6%
Franklin	621	540 87.0%	0 0.0%	5 0.8%	76 12.2%	325 52.3%	318 51.2%	540 87.0%	539 86.8%	543 87.4%
Fulton	67	65 97.0%	0 0.0%	0 0.0%	2 3.0%	64 95.5%	65 97.0%	65 97.0%	65 97.0%	65 97.0%
Gallatin	129	127 98.4%	1 0.8%	0 0.0%	1 0.8%	112 86.8%	112 86.8%	127 98.4%	127 98.4%	127 98.4%
Garrard	180	179 99.4%	1 0.6%	0 0.0%	0 0.0%	174 96.7%	114 63.3%	172 95.6%	172 95.6%	172 95.6%

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Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
Grant	348	345 99.1%	3 0.9%	0 0.0%	0 0.0%	309 88.8%	310 89.1%	345 99.1%	344 98.9%	346 99.4%
Graves	424	416 98.1%	1 0.2%	2 0.5%	5 1.2%	396 93.4%	394 92.9%	406 95.8%	405 95.5%	407 96.0%
Grayson	335	332 99.1%	1 0.3%	2 0.6%	0 0.0%	301 89.9%	307 91.6%	334 99.7%	334 99.7%	335 100.0%
Green	129	126 97.7%	2 1.5%	1 0.8%	0 0.0%	116 89.9%	112 86.8%	129 100.0%	127 98.4%	129 100.0%
Greenup	484	481 99.4%	1 0.2%	0 0.0%	2 0.4%	412 85.1%	410 84.7%	480 99.2%	476 98.3%	477 98.6%
Hancock	140	140 100.0%	0 0.0%	0 0.0%	0 0.0%	136 97.1%	135 96.4%	140 100.0%	140 100.0%	140 100.0%
Hardin	1,093	1,042 95.3%	1 0.1%	3 0.3%	47 4.3%	935 85.5%	934 85.5%	1,032 94.4%	1,056 96.6%	1,035 94.7%
Harlan	339	321 94.7%	0 0.0%	1 0.3%	17 5.0%	296 87.3%	222 65.5%	292 86.1%	295 87.0%	292 86.1%
Harrison	222	214 96.4%	1 0.4%	2 0.9%	5 2.3%	158 71.2%	158 71.2%	215 96.8%	214 96.4%	216 97.3%
Hart	227	223 98.2%	0 0.0%	2 0.9%	2 0.9%	214 94.3%	211 93.0%	222 97.8%	223 98.2%	222 97.8%
Henderson	609	596 97.9%	10 1.6%	3 0.5%	0 0.0%	525 86.2%	532 87.4%	606 99.5%	602 98.9%	606 99.5%
Henry	232	229 98.7%	1 0.4%	2 0.9%	0 0.0%	222 95.7%	224 96.6%	230 99.1%	230 99.1%	232 100.0%
Hickman	56	56 100.0%	0 0.0%	0 0.0%	0 0.0%	56 100.0%	56 100.0%	56 100.0%	56 100.0%	56 100.0%
Hopkins	595	584 98.2%	0 0.0%	8 1.3%	3 0.5%	530 89.1%	524 88.1%	592 99.5%	591 99.3%	594 99.8%
Jackson	145	143 98.6%	1 0.7%	1 0.7%	0 0.0%	144 99.3%	143 98.6%	144 99.3%	144 99.3%	145 100.0%
Jefferson	9,003	8,792 97.7%	31 0.3%	32 0.4%	148 1.6%	7,459 82.9%	7,379 82.0%	8,816 97.9%	8,798 97.7%	8,820 98.0%
Jessamine	578	567 98.1%	5 0.9%	4 0.7%	2 0.3%	560 96.9%	556 96.2%	572 99.0%	571 98.8%	572 99.0%
Johnson	326	309 94.8%	1 0.3%	0 0.0%	16 4.9%	245 75.2%	245 75.2%	310 95.1%	306 93.9%	310 95.1%
Kenton	2,162	2,125 98.3%	8 0.4%	12 0.5%	17 0.8%	1,935 89.5%	1,930 89.3%	2,136 98.8%	2,131 98.6%	2,141 99.0%
Knott	176	175 99.4%	0 0.0%	1 0.6%	0 0.0%	131 74.4%	127 72.2%	175 99.4%	175 99.4%	175 99.4%

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Knox	431	419 97.2%	0 0.0%	1 0.2%	11 2.6%	235 54.5%	234 54.3%	417 96.8%	412 95.6%	417 96.8%
LaRue	156	155 99.4%	0 0.0%	1 0.6%	0 0.0%	152 97.4%	154 98.7%	155 99.4%	154 98.7%	155 99.4%
Laurel	761	733 96.3%	3 0.4%	13 1.7%	12 1.6%	517 67.9%	512 67.3%	742 97.5%	726 95.4%	742 97.5%
Lawrence	207	202 97.6%	2 1.0%	0 0.0%	3 1.4%	170 82.1%	167 80.7%	203 98.1%	203 98.1%	203 98.1%
Lee	48	45 93.8%	0 0.0%	0 0.0%	3 6.2%	22 45.8%	22 45.8%	43 89.6%	44 91.7%	43 89.6%
Leslie	121	117 96.7%	2 1.7%	1 0.8%	1 0.8%	113 93.4%	113 93.4%	118 97.5%	119 98.3%	119 98.3%
Letcher	282	282 100.0%	0 0.0%	0 0.0%	0 0.0%	270 95.7%	272 96.5%	278 98.6%	278 98.6%	278 98.6%
Lewis	183	182 99.5%	1 0.5%	0 0.0%	0 0.0%	164 89.6%	167 91.3%	183 100.0%	182 99.5%	183 100.0%
Lincoln	285	282 98.9%	0 0.0%	2 0.7%	1 0.4%	217 76.1%	216 75.8%	284 99.6%	284 99.6%	285 100.0%
Livingston	80	79 98.8%	0 0.0%	1 1.2%	0 0.0%	48 60.0%	47 58.8%	77 96.3%	78 97.5%	78 97.5%
Logan	341	334 97.9%	1 0.3%	0 0.0%	6 1.8%	265 77.7%	263 77.1%	329 96.5%	338 99.1%	330 96.8%
Lyon	67	66 98.5%	0 0.0%	1 1.5%	0 0.0%	58 86.6%	52 77.6%	66 98.5%	66 98.5%	66 98.5%
Madison	788	761 96.5%	6 0.8%	6 0.8%	15 1.9%	739 93.8%	738 93.7%	778 98.7%	773 98.1%	777 98.6%
Magoffin	156	152 97.4%	0 0.0%	0 0.0%	4 2.6%	66 42.3%	66 42.3%	151 96.8%	152 97.4%	151 96.8%
Marion	265	259 97.7%	0 0.0%	0 0.0%	6 2.3%	259 97.7%	259 97.7%	259 97.7%	257 97.0%	259 97.7%
Marshall	408	402 98.5%	0 0.0%	2 0.5%	4 1.0%	389 95.3%	388 95.1%	401 98.3%	402 98.5%	402 98.5%
Martin	147	145 98.6%	0 0.0%	0 0.0%	2 1.4%	138 93.9%	133 90.5%	145 98.6%	145 98.6%	145 98.6%
Mason	226	222 98.2%	0 0.0%	0 0.0%	4 1.8%	187 82.7%	187 82.7%	218 96.5%	217 96.0%	218 96.5%
McCracken	545	534 98.0%	2 0.4%	6 1.1%	3 0.5%	420 77.1%	411 75.4%	538 98.7%	533 97.8%	538 98.7%
McCreary	224	217 97.0%	5 2.2%	1 0.4%	1 0.4%	218 97.3%	218 97.3%	223 99.6%	221 98.7%	223 99.6%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Profiles
Immunization Coverage in Sixth Grade for All Schools

County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella
Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
McLean	129	128 99.2%	1 0.8%	0 0.0%	0 0.0%	128 99.2%	128 99.2%	128 99.2%	128 99.2%	128 99.2%
Meade	378	372 98.4%	2 0.5%	3 0.8%	1 0.3%	366 96.8%	367 97.1%	373 98.7%	376 99.5%	377 99.7%
Menifee	63	63 100.0%	0 0.0%	0 0.0%	0 0.0%	63 100.0%	62 98.4%	63 100.0%	63 100.0%	63 100.0%
Mercer	264	261 98.9%	2 0.7%	1 0.4%	0 0.0%	250 94.7%	251 95.1%	261 98.9%	260 98.5%	261 98.9%
Metcalfe	120	120 100.0%	0 0.0%	0 0.0%	0 0.0%	97 80.8%	96 80.0%	120 100.0%	120 100.0%	120 100.0%
Monroe	134	133 99.3%	1 0.7%	0 0.0%	0 0.0%	116 86.6%	115 85.8%	130 97.0%	132 98.5%	132 98.5%
Montgomery	349	342 98.0%	3 0.8%	1 0.4%	3 0.8%	268 76.8%	267 76.5%	345 98.9%	341 97.7%	342 98.0%
Morgan	146	143 97.9%	0 0.0%	0 0.0%	3 2.1%	133 91.1%	133 91.1%	143 97.9%	137 93.8%	137 93.8%
Muhlenberg	376	371 98.7%	3 0.8%	0 0.0%	2 0.5%	349 92.8%	353 93.9%	373 99.2%	373 99.2%	373 99.2%
Nelson	569	467 82.1%	0 0.0%	1 0.2%	101 17.7%	418 73.5%	406 71.4%	530 93.1%	555 97.5%	530 93.1%
Nicholas	83	83 100.0%	0 0.0%	0 0.0%	0 0.0%	78 94.0%	79 95.2%	83 100.0%	83 100.0%	83 100.0%
Ohio	316	305 96.5%	0 0.0%	1 0.3%	10 3.2%	201 63.6%	195 61.7%	304 96.2%	306 96.8%	305 96.5%
Oldham	1,079	1,067 98.9%	2 0.2%	10 0.9%	0 0.0%	1,062 98.4%	1,062 98.4%	1,069 99.1%	1,070 99.2%	1,077 99.8%
Owen	157	154 98.1%	0 0.0%	0 0.0%	3 1.9%	154 98.1%	154 98.1%	157 100.0%	157 100.0%	157 100.0%
Owsley	51	50 98.0%	1 2.0%	0 0.0%	0 0.0%	28 54.9%	29 56.9%	47 92.2%	45 88.2%	47 92.2%
Pendleton	171	169 98.8%	0 0.0%	1 0.6%	1 0.6%	164 95.9%	164 95.9%	170 99.4%	169 98.8%	170 99.4%
Perry	328	317 96.7%	4 1.2%	0 0.0%	7 2.1%	293 89.3%	295 89.9%	313 95.4%	319 97.3%	313 95.4%
Pike	782	776 99.1%	2 0.3%	2 0.3%	2 0.3%	700 89.5%	693 88.6%	777 99.4%	778 99.5%	777 99.4%
Powell	197	191 97.0%	0 0.0%	1 0.5%	5 2.5%	101 51.3%	101 51.3%	192 97.5%	191 97.0%	192 97.5%
Pulaski	827	819 99.0%	3 0.4%	2 0.2%	3 0.4%	769 93.0%	762 92.1%	816 98.7%	821 99.3%	816 98.7%

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Profiles
Immunization Coverage in Sixth Grade for All Schools

County	Total # of Students	Current Cert.	Medical Exempt	Religious Exempt	Missing Cert.	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella
Kentucky (Total)	53,378	52,104 97.6%	193 0.4%	282 0.5%	799 1.5%	44,276 82.9%	43,749 82.0%	52,204 97.8%	52,197 97.8%	52,306 98.0%
Robertson	18	18 100.0%	0 0.0%	0 0.0%	0 0.0%	18 100.0%	18 100.0%	18 100.0%	18 100.0%	18 100.0%
Rockcastle	227	223 98.2%	0 0.0%	1 0.5%	3 1.3%	223 98.2%	223 98.2%	227 100.0%	227 100.0%	227 100.0%
Rowan	240	229 95.4%	1 0.4%	3 1.3%	7 2.9%	118 49.2%	119 49.6%	231 96.3%	223 92.9%	224 93.3%
Russell	207	206 99.5%	0 0.0%	1 0.5%	0 0.0%	201 97.1%	198 95.7%	203 98.1%	206 99.5%	207 100.0%
Scott	568	550 96.8%	1 0.2%	3 0.5%	14 2.5%	408 71.8%	407 71.7%	547 96.3%	550 96.8%	553 97.4%
Shelby	510	500 98.0%	0 0.0%	2 0.4%	8 1.6%	348 68.2%	333 65.3%	503 98.6%	503 98.6%	505 99.0%
Simpson	212	212 100.0%	0 0.0%	0 0.0%	0 0.0%	205 96.7%	201 94.8%	212 100.0%	212 100.0%	212 100.0%
Spencer	216	216 100.0%	0 0.0%	0 0.0%	0 0.0%	216 100.0%	216 100.0%	216 100.0%	216 100.0%	216 100.0%
Taylor	293	284 97.0%	3 1.0%	3 1.0%	3 1.0%	253 86.3%	253 86.3%	288 98.3%	289 98.6%	292 99.7%
Todd	155	155 100.0%	0 0.0%	0 0.0%	0 0.0%	126 81.3%	125 80.6%	153 98.7%	155 100.0%	155 100.0%
Trigg	156	155 99.4%	0 0.0%	1 0.6%	0 0.0%	147 94.2%	144 92.3%	156 100.0%	155 99.4%	156 100.0%
Trimble	108	105 97.2%	1 0.9%	0 0.0%	2 1.9%	98 90.7%	98 90.7%	106 98.1%	104 96.3%	104 96.3%
Union	167	165 98.8%	1 0.6%	0 0.0%	1 0.6%	159 95.2%	159 95.2%	165 98.8%	165 98.8%	165 98.8%
Warren	1,349	1,302 96.6%	21 1.5%	5 0.4%	21 1.5%	936 69.4%	858 63.6%	1,307 96.9%	1,316 97.6%	1,309 97.0%
Washington	144	140 97.2%	1 0.7%	2 1.4%	1 0.7%	127 88.2%	125 86.8%	139 96.5%	140 97.2%	139 96.5%
Wayne	252	251 99.6%	0 0.0%	1 0.4%	0 0.0%	250 99.2%	250 99.2%	251 99.6%	251 99.6%	252 100.0%
Webster	168	163 97.0%	0 0.0%	1 0.6%	4 2.4%	80 47.6%	91 54.2%	159 94.6%	160 95.2%	159 94.6%
Whitley	593	576 97.1%	1 0.2%	3 0.5%	13 2.2%	404 68.1%	406 68.5%	572 96.5%	573 96.6%	576 97.1%
Wolfe	95	95 100.0%	0 0.0%	0 0.0%	0 0.0%	76 80.0%	75 78.9%	95 100.0%	95 100.0%	95 100.0%
Woodford	323	321 99.4%	0 0.0%	2 0.6%	0 0.0%	317 98.1%	317 98.1%	320 99.1%	321 99.4%	323 100.0%

APPENDIX E

KENTUCKY ANNUAL SCHOOL IMMUNIZATION SURVEY REPORT 2015 – 2016

County Ranking by Average Compliance for All Five Vaccines Surveyed for Kindergarten or Sixth Grade

KINDERGARTEN - Sorted by County Name in Alphabetical Order (E-1)

KINDERGARTEN - Sorted by County Ranking from Highest to Lowest (E-2)




SIXTH GRADE - Sorted by County Name in Alphabetical Order (E-3)

SIXTH GRADE - Sorted by County Ranking from Highest to Lowest (E-4)

County Rankings by Average Compliance for All Five Vaccines

Each of these age-specific reports for both Kindergarten (Appendix E-1 and Appendix E-2) and Sixth Grade (Appendix E-3 and Appendix E-4) provided the county rankings by average compliance for all five age-appropriate vaccinations surveyed in alphabetical order (Appendix E-1 and Appendix E-3), or by highest to lowest county ranking (Appendix E-2 and Appendix E-4).

This report lists the county totals/coverage rates, with coverage rates (percentage) for each certificate type, age-appropriate vaccinations, and the average compliance for all five vaccinations surveyed. Using an arithmetic average of children having the minimum number of doses for each immunization, as reported by each school indicating vaccination compliance, counties were ranked into three groups:

- Counties ranked with an average of 95% or greater were highlighted in light green. 
- Counties ranked with an average between 90% and < 95% were highlighted in yellow. 
- Counties ranked with an average <90% were highlighted in light blue. 

Several objectives for Immunizations were defined by Healthy People 2020 (HP 2020), <http://www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases>.

The attainment of age-appropriate target measures for these Objectives is used annually by the Kentucky Immunization Program to identify schools that have been successful with vaccination compliance for school age children in the survey year.

The age-appropriate HP 2020 target measures, assessed in schools, were:

Kindergarten, by selected vaccines and doses:

- 95% or greater for 4+ DTaP, 3+ Polio, 3+ HepB, 2 MMR, and 2 Varicella;

Sixth Grade, by selected vaccines and doses:


- 80% or greater for 1 Tdap and 1 MCV, and
- 90% or greater for 2 Varicella

Two target Immunizations measures defined by the Kentucky Immunization Program (KIP) for adolescents, were adapted from definitions in Healthy People 2010 Objectives, (https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/DATA2010/Focusarea14/O1427a.pdf) and (https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/DATA2010/Focusarea14/O1427b.pdf).

The age-appropriate KIP target measures, assessed in schools, were:

Sixth Grade, by selected vaccines and doses:

- 95% or greater for 3 HepB and 2 MMR.

If any of the age-appropriate HP 2020 or KIP target measures were not met for a county or school, the background of the cell for the corresponding vaccine (COLUMN) for a given county or school (ROW) has been highlighted in red. 

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Rankings

Immunization Coverage in Kindergarten Sorted by County* Name in Alphabetical Order

County	Total # of Students	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella	Average Percent	County Ranking
Kentucky (Total)	53,983	94.0%	94.5%	94.0%	92.3%	91.5%	93.3%	
Adair	201	98.5%	99.5%	99.0%	99.0%	97.5%	98.7%	10
Allen	234	98.7%	98.7%	97.9%	98.7%	98.7%	98.5%	13
Anderson	241	97.5%	98.8%	98.8%	98.3%	96.3%	97.9%	25
Ballard	93	100.0%	100.0%	100.0%	100.0%	98.9%	99.8%	4
Barren	611	96.7%	96.7%	95.9%	96.1%	95.6%	96.2%	47
Bath	147	88.4%	89.1%	87.8%	87.1%	87.1%	87.9%	102
Bell	347	89.0%	89.3%	87.6%	84.4%	86.2%	87.3%	104
Boone	1,761	97.7%	97.8%	97.6%	96.7%	96.3%	97.2%	38
Bourbon	275	96.4%	96.4%	96.0%	95.6%	95.3%	95.9%	50
Boyd	622	95.0%	95.0%	94.7%	92.9%	91.3%	93.8%	74
Boyle	358	93.6%	93.6%	93.0%	92.7%	91.1%	92.8%	83
Bracken	114	98.2%	99.1%	96.5%	96.5%	95.6%	97.2%	39
Breathitt	188	87.8%	88.8%	89.4%	85.6%	84.0%	87.1%	106
Breckinridge	266	97.4%	97.7%	97.7%	95.9%	95.1%	96.8%	45
Bullitt	877	90.1%	90.5%	90.4%	89.2%	88.7%	89.8%	94
Butler	145	93.8%	93.8%	92.4%	93.8%	93.1%	93.4%	77
Caldwell	145	91.0%	91.7%	91.0%	91.0%	90.3%	91.0%	88
Calloway	362	97.5%	97.5%	97.5%	97.2%	97.0%	97.3%	35
Campbell	1,074	95.4%	95.7%	95.4%	94.8%	93.7%	95.0%	57
Carlisle	39	94.9%	94.9%	94.9%	92.3%	92.3%	93.8%	70
Carroll	171	77.8%	79.5%	83.6%	84.2%	71.9%	79.4%	119
Carter	352	95.5%	95.5%	95.7%	91.5%	91.8%	94.0%	69
Casey	159	86.8%	86.8%	86.2%	86.2%	84.9%	86.2%	109
Christian	799	88.4%	88.7%	87.7%	85.6%	85.6%	87.2%	105
Clark	404	94.8%	95.8%	90.8%	94.1%	93.6%	93.8%	71
Clay	283	93.3%	93.6%	92.6%	91.9%	92.9%	92.9%	82
Clinton	132	97.7%	96.2%	97.0%	94.7%	94.7%	96.1%	49
Crittenden	107	86.9%	90.7%	90.7%	89.7%	86.0%	88.8%	99
Cumberland	71	95.8%	95.8%	95.8%	93.0%	94.4%	94.9%	58
Daviess	1,423	93.3%	93.7%	93.9%	80.9%	76.8%	87.7%	103

*Includes all schools who reported within a given county.

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Rankings
Immunization Coverage in Kindergarten Sorted by County* Name in Alphabetical Order

County	Total # of Students	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella	Average Percent	County Ranking
Kentucky (Total)	53,983	94.0%	94.5%	94.0%	92.3%	91.5%	93.3%	
Edmonson	139	94.2%	93.5%	92.8%	94.2%	94.2%	93.8%	73
Elliott	78	96.2%	96.2%	98.7%	96.2%	97.4%	96.9%	43
Estill	167	89.8%	89.8%	89.2%	86.2%	85.0%	88.0%	101
Fayette	3,658	96.4%	96.9%	96.4%	95.2%	94.6%	95.9%	51
Fleming	171	98.2%	99.4%	98.2%	98.2%	97.7%	98.4%	19
Floyd	547	97.4%	97.6%	98.0%	96.7%	95.8%	97.1%	40
Franklin	615	92.2%	93.3%	91.9%	87.5%	85.2%	90.0%	92
Fulton	83	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1
Gallatin	117	96.6%	97.4%	96.6%	92.3%	89.7%	94.5%	65
Garrard	182	77.5%	79.7%	83.0%	77.5%	76.9%	78.9%	120
Grant	318	95.6%	98.1%	97.8%	97.2%	96.2%	97.0%	42
Graves	473	97.0%	98.5%	97.9%	96.2%	95.3%	97.0%	41
Grayson	304	99.0%	99.3%	99.3%	98.0%	97.4%	98.6%	12
Green	112	94.6%	94.6%	94.6%	93.8%	94.6%	94.5%	67
Greenup	480	95.2%	96.0%	95.2%	94.4%	92.9%	94.8%	62
Hancock	118	93.2%	94.1%	94.1%	92.4%	91.5%	93.1%	81
Hardin	1,013	88.0%	88.1%	86.8%	85.4%	85.3%	86.7%	107
Harlan	342	84.2%	84.8%	82.5%	83.0%	83.3%	83.6%	114
Harrison	215	91.2%	91.2%	90.2%	89.3%	88.4%	90.0%	91
Hart	165	98.8%	98.8%	98.8%	98.2%	98.2%	98.5%	14
Henderson	547	98.0%	98.4%	97.4%	96.0%	97.3%	97.4%	32
Henry	189	95.8%	96.8%	97.9%	96.3%	95.8%	96.5%	46
Hickman	46	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1
Hopkins	607	97.9%	97.9%	98.0%	96.5%	96.2%	97.3%	37
Jackson	200	100.0%	99.5%	99.5%	99.0%	98.5%	99.3%	8
Jefferson	9,323	92.5%	93.0%	92.6%	91.5%	90.5%	92.0%	86
Jessamine	598	96.2%	96.5%	95.5%	95.2%	95.2%	95.7%	55
Johnson	299	90.3%	90.0%	90.6%	89.0%	88.6%	89.7%	95
Kenton	2,248	95.3%	95.7%	95.8%	94.3%	93.5%	94.9%	59
Knott	190	97.9%	98.9%	98.4%	97.9%	95.3%	97.7%	29

*Includes all schools who reported within a given county.

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Rankings

Immunization Coverage in Kindergarten Sorted by County* Name in Alphabetical Order

County	Total # of Students	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella	Average Percent	County Ranking
Kentucky (Total)	53,983	94.0%	94.5%	94.0%	92.3%	91.5%	93.3%	
Knox	437	83.5%	85.1%	82.8%	79.4%	77.8%	81.7%	117
LaRue	135	100.0%	100.0%	100.0%	100.0%	99.3%	99.9%	3
Laurel	696	88.9%	90.1%	89.9%	86.8%	86.5%	88.4%	100
Lawrence	202	83.2%	84.7%	82.7%	79.2%	79.2%	81.8%	116
Lee	87	87.4%	87.4%	87.4%	86.2%	83.9%	86.4%	108
Leslie	129	98.4%	99.2%	99.2%	96.9%	97.7%	98.3%	21
Letcher	284	94.4%	95.1%	95.4%	91.5%	92.3%	93.7%	75
Lewis	147	95.9%	97.3%	98.6%	94.6%	94.6%	96.2%	48
Lincoln	256	95.7%	96.9%	96.5%	95.3%	94.5%	95.8%	53
Livingston	97	90.7%	89.7%	89.7%	90.7%	85.6%	89.3%	97
Logan	332	89.2%	89.8%	92.8%	86.7%	85.5%	88.8%	98
Lyon	73	95.9%	94.5%	86.3%	94.5%	91.8%	92.6%	84
Madison	1,073	95.9%	96.6%	96.4%	92.6%	92.4%	94.8%	61
Magoffin	152	87.5%	86.8%	87.5%	83.6%	84.2%	85.9%	111
Marion	228	97.8%	97.8%	97.8%	97.4%	96.1%	97.4%	33
Marshall	416	94.0%	94.0%	93.3%	92.5%	91.6%	93.1%	80
Martin	150	97.3%	97.3%	97.3%	97.3%	97.3%	97.3%	36
Mason	218	86.7%	87.2%	81.7%	75.7%	74.8%	81.2%	118
McCracken	844	92.7%	92.5%	92.2%	91.2%	89.1%	91.5%	87
McCreary	221	98.2%	98.2%	98.2%	95.0%	95.0%	96.9%	44
McLean	120	94.2%	89.2%	95.0%	76.7%	75.0%	86.0%	110
Meade	316	98.1%	98.1%	98.1%	98.1%	97.5%	98.0%	23
Menifee	86	98.8%	100.0%	100.0%	100.0%	100.0%	99.8%	5
Mercer	233	98.7%	98.7%	99.1%	98.3%	97.4%	98.5%	17
Metcalfe	115	99.1%	99.1%	98.3%	96.5%	96.5%	97.9%	26
Monroe	129	94.6%	95.3%	94.6%	94.6%	93.8%	94.6%	64
Montgomery	381	85.6%	86.4%	83.7%	82.9%	83.5%	84.4%	113
Morgan	148	100.0%	100.0%	100.0%	99.3%	98.6%	99.6%	6
Muhlenberg	352	95.5%	94.9%	93.2%	84.9%	85.5%	90.8%	89
Nelson	614	91.9%	91.9%	91.7%	88.4%	87.8%	90.3%	90

*Includes all schools who reported within a given county.

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Rankings

Immunization Coverage in Kindergarten Sorted by County* Name in Alphabetical Order

County	Total # of Students	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 Varicella	Average Percent	County Ranking
Kentucky (Total)	53,983	94.0%	94.5%	94.0%	92.3%	91.5%	93.3%	
Nicholas	86	100.0%	100.0%	100.0%	100.0%	97.7%	99.5%	7
Ohio	339	83.8%	84.1%	84.7%	79.6%	77.0%	81.8%	115
Oldham	843	97.5%	98.2%	98.0%	96.9%	96.7%	97.5%	31
Owen	131	96.2%	97.7%	94.7%	94.7%	95.4%	95.7%	54
Owsley	55	94.5%	92.7%	92.7%	94.5%	94.5%	93.8%	72
Pendleton	174	97.7%	98.3%	97.1%	96.6%	97.1%	97.4%	34
Perry	375	94.4%	94.4%	93.1%	92.8%	91.7%	93.3%	79
Pike	714	98.0%	98.5%	98.6%	97.1%	96.5%	97.7%	28
Powell	170	86.5%	86.5%	85.3%	84.1%	85.3%	85.5%	112
Pulaski	676	89.3%	90.4%	90.8%	89.3%	89.3%	89.9%	93
Robertson	18	100.0%	100.0%	100.0%	94.4%	94.4%	97.8%	27
Rockcastle	180	97.8%	98.9%	98.3%	98.3%	98.3%	98.3%	20
Rowan	253	93.3%	94.1%	94.1%	92.9%	92.1%	93.3%	78
Russell	272	98.2%	99.3%	99.3%	98.5%	97.4%	98.5%	15
Scott	844	94.3%	94.9%	96.4%	94.2%	92.8%	94.5%	66
Shelby	521	96.2%	95.8%	95.8%	93.1%	92.1%	94.6%	63
Simpson	206	99.5%	99.5%	98.5%	99.0%	99.5%	99.2%	9
Spencer	189	98.9%	98.9%	98.9%	98.4%	97.9%	98.6%	11
Taylor	314	98.1%	98.4%	97.8%	96.5%	97.5%	97.6%	30
Todd	128	94.5%	95.3%	94.5%	93.8%	93.8%	94.4%	68
Trigg	146	97.9%	98.6%	98.6%	97.9%	97.9%	98.2%	22
Trimble	95	92.6%	92.6%	92.6%	91.6%	91.6%	92.2%	85
Union	170	97.1%	97.1%	97.1%	94.1%	94.1%	95.9%	52
Warren	1,370	96.0%	96.6%	94.8%	95.2%	93.5%	95.2%	56
Washington	150	94.7%	96.7%	96.7%	93.3%	92.7%	94.8%	60
Wayne	231	98.7%	98.7%	98.3%	98.3%	98.3%	98.4%	18
Webster	176	89.2%	89.8%	89.8%	89.8%	88.1%	89.3%	96
Whitley	557	93.9%	94.4%	93.7%	93.0%	92.6%	93.5%	76
Wolfe	94	98.9%	98.9%	98.9%	97.9%	97.9%	98.5%	16
Woodford	290	98.3%	98.3%	97.9%	97.9%	97.2%	97.9%	24

*Includes all schools who reported within a given county.

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Rankings

Immunization Coverage in Kindergarten Sorted by County* Ranking from Highest to Lowest

County	Total # of Students	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	53,983	94.0%	94.5%	94.0%	92.3%	91.5%	93.3%	
Fulton	83	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1
Hickman	46	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1
LaRue	135	100.0%	100.0%	100.0%	100.0%	99.3%	99.9%	3
Ballard	93	100.0%	100.0%	100.0%	100.0%	98.9%	99.8%	4
Menifee	86	98.8%	100.0%	100.0%	100.0%	100.0%	99.8%	5
Morgan	148	100.0%	100.0%	100.0%	99.3%	98.6%	99.6%	6
Nicholas	86	100.0%	100.0%	100.0%	100.0%	97.7%	99.5%	7
Jackson	200	100.0%	99.5%	99.5%	99.0%	98.5%	99.3%	8
Simpson	206	99.5%	99.5%	98.5%	99.0%	99.5%	99.2%	9
Adair	201	98.5%	99.5%	99.0%	99.0%	97.5%	98.7%	10
Spencer	189	98.9%	98.9%	98.9%	98.4%	97.9%	98.6%	11
Grayson	304	99.0%	99.3%	99.3%	98.0%	97.4%	98.6%	12
Allen	234	98.7%	98.7%	97.9%	98.7%	98.7%	98.5%	13
Hart	165	98.8%	98.8%	98.8%	98.2%	98.2%	98.5%	14
Russell	272	98.2%	99.3%	99.3%	98.5%	97.4%	98.5%	15
Wolfe	94	98.9%	98.9%	98.9%	97.9%	97.9%	98.5%	16
Mercer	233	98.7%	98.7%	99.1%	98.3%	97.4%	98.5%	17
Wayne	231	98.7%	98.7%	98.3%	98.3%	98.3%	98.4%	18
Fleming	171	98.2%	99.4%	98.2%	98.2%	97.7%	98.4%	19
Rockcastle	180	97.8%	98.9%	98.3%	98.3%	98.3%	98.3%	20
Leslie	129	98.4%	99.2%	99.2%	96.9%	97.7%	98.3%	21
Trigg	146	97.9%	98.6%	98.6%	97.9%	97.9%	98.2%	22
Meade	316	98.1%	98.1%	98.1%	98.1%	97.5%	98.0%	23
Woodford	290	98.3%	98.3%	97.9%	97.9%	97.2%	97.9%	24
Anderson	241	97.5%	98.8%	98.8%	98.3%	96.3%	97.9%	25
Metcalfe	115	99.1%	99.1%	98.3%	96.5%	96.5%	97.9%	26
Robertson	18	100.0%	100.0%	100.0%	94.4%	94.4%	97.8%	27
Pike	714	98.0%	98.5%	98.6%	97.1%	96.5%	97.7%	28
Knott	190	97.9%	98.9%	98.4%	97.9%	95.3%	97.7%	29
Taylor	314	98.1%	98.4%	97.8%	96.5%	97.5%	97.6%	30

*Includes all schools who reported within a given county.

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Rankings

Immunization Coverage in Kindergarten Sorted by County* Ranking from Highest to Lowest

County	Total # of Students	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	53,983	94.0%	94.5%	94.0%	92.3%	91.5%	93.3%	
Oldham	843	97.5%	98.2%	98.0%	96.9%	96.7%	97.5%	31
Henderson	547	98.0%	98.4%	97.4%	96.0%	97.3%	97.4%	32
Marion	228	97.8%	97.8%	97.8%	97.4%	96.1%	97.4%	33
Pendleton	174	97.7%	98.3%	97.1%	96.6%	97.1%	97.4%	34
Calloway	362	97.5%	97.5%	97.5%	97.2%	97.0%	97.3%	35
Martin	150	97.3%	97.3%	97.3%	97.3%	97.3%	97.3%	36
Hopkins	607	97.9%	97.9%	98.0%	96.5%	96.2%	97.3%	37
Boone	1,761	97.7%	97.8%	97.6%	96.7%	96.3%	97.2%	38
Bracken	114	98.2%	99.1%	96.5%	96.5%	95.6%	97.2%	39
Floyd	547	97.4%	97.6%	98.0%	96.7%	95.8%	97.1%	40
Graves	473	97.0%	98.5%	97.9%	96.2%	95.3%	97.0%	41
Grant	318	95.6%	98.1%	97.8%	97.2%	96.2%	97.0%	42
Elliott	78	96.2%	96.2%	98.7%	96.2%	97.4%	96.9%	43
McCreary	221	98.2%	98.2%	98.2%	95.0%	95.0%	96.9%	44
Breckinridge	266	97.4%	97.7%	97.7%	95.9%	95.1%	96.8%	45
Henry	189	95.8%	96.8%	97.9%	96.3%	95.8%	96.5%	46
Barren	611	96.7%	96.7%	95.9%	96.1%	95.6%	96.2%	47
Lewis	147	95.9%	97.3%	98.6%	94.6%	94.6%	96.2%	48
Clinton	132	97.7%	96.2%	97.0%	94.7%	94.7%	96.1%	49
Bourbon	275	96.4%	96.4%	96.0%	95.6%	95.3%	95.9%	50
Fayette	3,658	96.4%	96.9%	96.4%	95.2%	94.6%	95.9%	51
Union	170	97.1%	97.1%	97.1%	94.1%	94.1%	95.9%	52
Lincoln	256	95.7%	96.9%	96.5%	95.3%	94.5%	95.8%	53
Owen	131	96.2%	97.7%	94.7%	94.7%	95.4%	95.7%	54
Jessamine	598	96.2%	96.5%	95.5%	95.2%	95.2%	95.7%	55
Warren	1,370	96.0%	96.6%	94.8%	95.2%	93.5%	95.2%	56
Campbell	1,074	95.4%	95.7%	95.4%	94.8%	93.7%	95.0%	57
Cumberland	71	95.8%	95.8%	95.8%	93.0%	94.4%	94.9%	58
Kenton	2,248	95.3%	95.7%	95.8%	94.3%	93.5%	94.9%	59
Washington	150	94.7%	96.7%	96.7%	93.3%	92.7%	94.8%	60

*Includes all schools who reported within a given county.

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Rankings
Immunization Coverage in Kindergarten Sorted by County* Ranking from Highest to Lowest

County	Total # of Students	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	53,983	94.0%	94.5%	94.0%	92.3%	91.5%	93.3%	
Madison	1,073	95.9%	96.6%	96.4%	92.6%	92.4%	94.8%	61
Greenup	480	95.2%	96.0%	95.2%	94.4%	92.9%	94.8%	62
Shelby	521	96.2%	95.8%	95.8%	93.1%	92.1%	94.6%	63
Monroe	129	94.6%	95.3%	94.6%	94.6%	93.8%	94.6%	64
Gallatin	117	96.6%	97.4%	96.6%	92.3%	89.7%	94.5%	65
Scott	844	94.3%	94.9%	96.4%	94.2%	92.8%	94.5%	66
Green	112	94.6%	94.6%	94.6%	93.8%	94.6%	94.5%	67
Todd	128	94.5%	95.3%	94.5%	93.8%	93.8%	94.4%	68
Carter	352	95.5%	95.5%	95.7%	91.5%	91.8%	94.0%	69
Carlisle	39	94.9%	94.9%	94.9%	92.3%	92.3%	93.8%	70
Clark	404	94.8%	95.8%	90.8%	94.1%	93.6%	93.8%	71
Owsley	55	94.5%	92.7%	92.7%	94.5%	94.5%	93.8%	72
Edmonson	139	94.2%	93.5%	92.8%	94.2%	94.2%	93.8%	73
Boyd	622	95.0%	95.0%	94.7%	92.9%	91.3%	93.8%	74
Letcher	284	94.4%	95.1%	95.4%	91.5%	92.3%	93.7%	75
Whitley	557	93.9%	94.4%	93.7%	93.0%	92.6%	93.5%	76
Butler	145	93.8%	93.8%	92.4%	93.8%	93.1%	93.4%	77
Rowan	253	93.3%	94.1%	94.1%	92.9%	92.1%	93.3%	78
Perry	375	94.4%	94.4%	93.1%	92.8%	91.7%	93.3%	79
Marshall	416	94.0%	94.0%	93.3%	92.5%	91.6%	93.1%	80
Hancock	118	93.2%	94.1%	94.1%	92.4%	91.5%	93.1%	81
Clay	283	93.3%	93.6%	92.6%	91.9%	92.9%	92.9%	82
Boyle	358	93.6%	93.6%	93.0%	92.7%	91.1%	92.8%	83
Lyon	73	95.9%	94.5%	86.3%	94.5%	91.8%	92.6%	84
Trimble	95	92.6%	92.6%	92.6%	91.6%	91.6%	92.2%	85
Jefferson	9,323	92.5%	93.0%	92.6%	91.5%	90.5%	92.0%	86
McCracken	844	92.7%	92.5%	92.2%	91.2%	89.1%	91.5%	87
Caldwell	145	91.0%	91.7%	91.0%	91.0%	90.3%	91.0%	88
Muhlenberg	352	95.5%	94.9%	93.2%	84.9%	85.5%	90.8%	89
Nelson	614	91.9%	91.9%	91.7%	88.4%	87.8%	90.3%	90

*Includes all schools who reported within a given county.

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Rankings
Immunization Coverage in Kindergarten Sorted by County* Ranking from Highest to Lowest

County	Total # of Students	4+ DTaP	3+ Polio	3+ HepB	2 MMR	2 VAR	Average Percent	County Ranking
Kentucky (Total)	53,983	94.0%	94.5%	94.0%	92.3%	91.5%	93.3%	
Harrison	215	91.2%	91.2%	90.2%	89.3%	88.4%	90.0%	91
Franklin	615	92.2%	93.3%	91.9%	87.5%	85.2%	90.0%	92
Pulaski	676	89.3%	90.4%	90.8%	89.3%	89.3%	89.9%	93
Bullitt	877	90.1%	90.5%	90.4%	89.2%	88.7%	89.8%	94
Johnson	299	90.3%	90.0%	90.6%	89.0%	88.6%	89.7%	95
Webster	176	89.2%	89.8%	89.8%	89.8%	88.1%	89.3%	96
Livingston	97	90.7%	89.7%	89.7%	90.7%	85.6%	89.3%	97
Logan	332	89.2%	89.8%	92.8%	86.7%	85.5%	88.8%	98
Crittenden	107	86.9%	90.7%	90.7%	89.7%	86.0%	88.8%	99
Laurel	696	88.9%	90.1%	89.9%	86.8%	86.5%	88.4%	100
Estill	167	89.8%	89.8%	89.2%	86.2%	85.0%	88.0%	101
Bath	147	88.4%	89.1%	87.8%	87.1%	87.1%	87.9%	102
Daviess	1,423	93.3%	93.7%	93.9%	80.9%	76.8%	87.7%	103
Bell	347	89.0%	89.3%	87.6%	84.4%	86.2%	87.3%	104
Christian	799	88.4%	88.7%	87.7%	85.6%	85.6%	87.2%	105
Breathitt	188	87.8%	88.8%	89.4%	85.6%	84.0%	87.1%	106
Hardin	1,013	88.0%	88.1%	86.8%	85.4%	85.3%	86.7%	107
Lee	87	87.4%	87.4%	87.4%	86.2%	83.9%	86.4%	108
Casey	159	86.8%	86.8%	86.2%	86.2%	84.9%	86.2%	109
McLean	120	94.2%	89.2%	95.0%	76.7%	75.0%	86.0%	110
Magoffin	152	87.5%	86.8%	87.5%	83.6%	84.2%	85.9%	111
Powell	170	86.5%	86.5%	85.3%	84.1%	85.3%	85.5%	112
Montgomery	381	85.6%	86.4%	83.7%	82.9%	83.5%	84.4%	113
Harlan	342	84.2%	84.8%	82.5%	83.0%	83.3%	83.6%	114
Ohio	339	83.8%	84.1%	84.7%	79.6%	77.0%	81.8%	115
Lawrence	202	83.2%	84.7%	82.7%	79.2%	79.2%	81.8%	116
Knox	437	83.5%	85.1%	82.8%	79.4%	77.8%	81.7%	117
Mason	218	86.7%	87.2%	81.7%	75.7%	74.8%	81.2%	118
Carroll	171	77.8%	79.5%	83.6%	84.2%	71.9%	79.4%	119
Garrard	182	77.5%	79.7%	83.0%	77.5%	76.9%	78.9%	120

*Includes all schools who reported within a given county.

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Rankings

Immunization Coverage in Sixth Grade Sorted by County* Name in Alphabetical Order

County	Total # of Students	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella	Average Percent	County Ranking
Kentucky (Total)	53,378	82.9%	82.0%	97.8%	97.8%	98.0%	91.7%	
Adair	185	96.2%	96.8%	99.5%	98.4%	98.4%	97.8%	24
Allen	197	93.9%	92.4%	99.5%	98.5%	99.5%	96.8%	35
Anderson	324	89.5%	86.1%	98.5%	98.1%	98.8%	94.2%	62
Ballard	97	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1
Barren	532	94.7%	94.4%	94.9%	98.9%	94.9%	95.6%	47
Bath	175	58.9%	56.6%	96.0%	95.4%	96.0%	80.6%	108
Bell	358	27.1%	26.5%	96.6%	96.1%	96.4%	68.5%	120
Boone	1,952	91.0%	91.4%	97.4%	97.4%	98.6%	95.2%	51
Bourbon	266	65.4%	63.9%	100.0%	97.0%	100.0%	85.3%	102
Boyd	585	75.4%	75.6%	96.4%	95.6%	95.6%	87.7%	93
Boyle	362	85.4%	85.1%	98.3%	97.8%	98.1%	92.9%	72
Bracken	123	89.4%	88.6%	98.4%	95.9%	98.4%	94.1%	63
Breathitt	195	80.5%	79.5%	97.4%	97.4%	96.9%	90.4%	83
Breckinridge	278	88.8%	88.8%	98.9%	98.2%	98.9%	94.7%	57
Bullitt	1,004	74.0%	73.0%	98.3%	98.2%	98.4%	88.4%	92
Butler	171	70.8%	67.8%	97.7%	98.2%	98.8%	86.7%	96
Caldwell	136	80.1%	76.5%	99.3%	98.5%	98.5%	90.6%	81
Calloway	312	95.8%	96.5%	98.4%	98.4%	98.4%	97.5%	28
Campbell	1,010	93.2%	93.4%	98.4%	98.5%	99.4%	96.6%	37
Carlisle	55	87.3%	85.5%	98.2%	98.2%	98.2%	93.5%	68
Carroll	136	90.4%	89.0%	99.3%	99.3%	99.3%	95.4%	48
Carter	340	99.1%	97.9%	99.1%	99.4%	99.7%	99.1%	12
Casey	165	79.4%	76.4%	95.8%	97.0%	97.0%	89.1%	89
Christian	735	56.2%	53.5%	97.1%	97.3%	97.3%	80.3%	109
Clark	458	51.3%	49.3%	95.6%	96.3%	96.7%	77.9%	113
Clay	275	92.7%	93.5%	98.2%	97.8%	98.2%	96.1%	43
Clinton	118	94.1%	91.5%	100.0%	99.2%	100.0%	96.9%	33
Crittenden	104	90.4%	89.4%	99.0%	99.0%	99.0%	95.4%	49
Cumberland	65	52.3%	47.7%	98.5%	100.0%	100.0%	79.7%	110
Daviess	1,357	88.8%	87.9%	98.5%	98.5%	99.0%	94.5%	59

*Includes all schools who reported within a given county.

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Rankings
Immunization Coverage in Sixth Grade Sorted by County* Name in Alphabetical Order

County	Total # of Students	1 Tdap	1 MCV	3 HepB	2 MMR	2 Varicella	Average Percent	County Ranking
Kentucky (Total)	53,378	82.9%	82.0%	97.8%	97.8%	98.0%	91.7%	
Edmonson	152	68.4%	65.1%	99.3%	99.3%	99.3%	86.3%	98
Elliott	63	87.3%	87.3%	100.0%	100.0%	100.0%	94.9%	56
Estill	185	74.1%	73.0%	98.9%	98.4%	98.4%	88.5%	91
Fayette	3,493	78.8%	77.8%	98.6%	98.4%	98.8%	90.5%	82
Fleming	90	98.9%	98.9%	100.0%	100.0%	100.0%	99.6%	6
Floyd	464	90.5%	89.4%	99.6%	99.4%	99.6%	95.7%	46
Franklin	621	52.3%	51.2%	87.0%	86.8%	87.4%	72.9%	118
Fulton	67	95.5%	97.0%	97.0%	97.0%	97.0%	96.7%	36
Gallatin	129	86.8%	86.8%	98.4%	98.4%	98.4%	93.8%	65
Garrard	180	96.7%	63.3%	95.6%	95.6%	95.6%	89.3%	88
Grant	348	88.8%	89.1%	99.1%	98.9%	99.4%	95.1%	53
Graves	424	93.4%	92.9%	95.8%	95.5%	96.0%	94.7%	58
Grayson	335	89.9%	91.6%	99.7%	99.7%	100.0%	96.2%	42
Green	129	89.9%	86.8%	100.0%	98.4%	100.0%	95.0%	54
Greenup	484	85.1%	84.7%	99.2%	98.3%	98.6%	93.2%	70
Hancock	140	97.1%	96.4%	100.0%	100.0%	100.0%	98.7%	16
Hardin	1,093	85.5%	85.5%	94.4%	96.6%	94.7%	91.3%	79
Harlan	339	87.3%	65.5%	86.1%	87.0%	86.1%	82.4%	106
Harrison	222	71.2%	71.2%	96.8%	96.4%	97.3%	86.6%	97
Hart	227	94.3%	93.0%	97.8%	98.2%	97.8%	96.2%	40
Henderson	609	86.2%	87.4%	99.5%	98.9%	99.5%	94.3%	61
Henry	232	95.7%	96.6%	99.1%	99.1%	100.0%	98.1%	20
Hickman	56	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1
Hopkins	595	89.1%	88.1%	99.5%	99.3%	99.8%	95.2%	52
Jackson	145	99.3%	98.6%	99.3%	99.3%	100.0%	99.3%	8
Jefferson	9,003	82.9%	82.0%	97.9%	97.7%	98.0%	91.7%	77
Jessamine	578	96.9%	96.2%	99.0%	98.8%	99.0%	98.0%	22
Johnson	326	75.2%	75.2%	95.1%	93.9%	95.1%	86.9%	94
Kenton	2,162	89.5%	89.3%	98.8%	98.6%	99.0%	95.0%	55
Knott	176	74.4%	72.2%	99.4%	99.4%	99.4%	89.0%	90

*Includes all schools who reported within a given county.

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Rankings
Immunization Coverage in Sixth Grade Sorted by County* Name in Alphabetical Order

County	Total # of Students	1 Tdap	1 MCV	3 HepB	2 MMR	2 Varicella	Average Percent	County Ranking
Kentucky (Total)	53,378	82.9%	82.0%	97.8%	97.8%	98.0%	91.7%	
Knox	431	54.5%	54.3%	96.8%	95.6%	96.8%	79.6%	111
LaRue	156	97.4%	98.7%	99.4%	98.7%	99.4%	98.7%	15
Laurel	761	67.9%	67.3%	97.5%	95.4%	97.5%	85.1%	103
Lawrence	207	82.1%	80.7%	98.1%	98.1%	98.1%	91.4%	78
Lee	48	45.8%	45.8%	89.6%	91.7%	89.6%	72.5%	119
Leslie	121	93.4%	93.4%	97.5%	98.3%	98.3%	96.2%	41
Letcher	282	95.7%	96.5%	98.6%	98.6%	98.6%	97.6%	26
Lewis	183	89.6%	91.3%	100.0%	99.5%	100.0%	96.1%	44
Lincoln	285	76.1%	75.8%	99.6%	99.6%	100.0%	90.2%	84
Livingston	80	60.0%	58.8%	96.3%	97.5%	97.5%	82.0%	107
Logan	341	77.7%	77.1%	96.5%	99.1%	96.8%	89.4%	87
Lyon	67	86.6%	77.6%	98.5%	98.5%	98.5%	91.9%	75
Madison	788	93.8%	93.7%	98.7%	98.1%	98.6%	96.6%	38
Magoffin	156	42.3%	42.3%	96.8%	97.4%	96.8%	75.1%	117
Marion	265	97.7%	97.7%	97.7%	97.0%	97.7%	97.6%	27
Marshall	408	95.3%	95.1%	98.3%	98.5%	98.5%	97.2%	32
Martin	147	93.9%	90.5%	98.6%	98.6%	98.6%	96.1%	45
Mason	226	82.7%	82.7%	96.5%	96.0%	96.5%	90.9%	80
McCracken	545	77.1%	75.4%	98.7%	97.8%	98.7%	89.5%	86
McCreary	224	97.3%	97.3%	99.6%	98.7%	99.6%	98.5%	17
McLean	129	99.2%	99.2%	99.2%	99.2%	99.2%	99.2%	11
Meade	378	96.8%	97.1%	98.7%	99.5%	99.7%	98.4%	18
Menifee	63	100.0%	98.4%	100.0%	100.0%	100.0%	99.7%	5
Mercer	264	94.7%	95.1%	98.9%	98.5%	98.9%	97.2%	30
Metcalfe	120	80.8%	80.0%	100.0%	100.0%	100.0%	92.2%	73
Monroe	134	86.6%	85.8%	97.0%	98.5%	98.5%	93.3%	69
Montgomery	349	76.8%	76.5%	98.9%	97.7%	98.0%	89.6%	85
Morgan	146	91.1%	91.1%	97.9%	93.8%	93.8%	93.6%	66
Muhlenberg	376	92.8%	93.9%	99.2%	99.2%	99.2%	96.9%	34
Nelson	569	73.5%	71.4%	93.1%	97.5%	93.1%	85.7%	100

*Includes all schools who reported within a given county.

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Rankings

Immunization Coverage in Sixth Grade Sorted by County* Name in Alphabetical Order

County	Total # of Students	1 Tdap	1 MCV	3 HepB	2 MMR	2 Varicella	Average Percent	County Ranking
Kentucky (Total)	53,378	82.9%	82.0%	97.8%	97.8%	98.0%	91.7%	
Nicholas	83	94.0%	95.2%	100.0%	100.0%	100.0%	97.8%	25
Ohio	316	63.6%	61.7%	96.2%	96.8%	96.5%	83.0%	105
Oldham	1,079	98.4%	98.4%	99.1%	99.2%	99.8%	99.0%	13
Owen	157	98.1%	98.1%	100.0%	100.0%	100.0%	99.2%	10
Owsley	51	54.9%	56.9%	92.2%	88.2%	92.2%	76.9%	115
Pendleton	171	95.9%	95.9%	99.4%	98.8%	99.4%	97.9%	23
Perry	328	89.3%	89.9%	95.4%	97.3%	95.4%	93.5%	67
Pike	782	89.5%	88.6%	99.4%	99.5%	99.4%	95.3%	50
Powell	197	51.3%	51.3%	97.5%	97.0%	97.5%	78.9%	112
Pulaski	827	93.0%	92.1%	98.7%	99.3%	98.7%	96.3%	39
Robertson	18	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1
Rockcastle	227	98.2%	98.2%	100.0%	100.0%	100.0%	99.3%	9
Rowan	240	49.2%	49.6%	96.3%	92.9%	93.3%	76.3%	116
Russell	207	97.1%	95.7%	98.1%	99.5%	100.0%	98.1%	21
Scott	568	71.8%	71.7%	96.3%	96.8%	97.4%	86.8%	95
Shelby	510	68.2%	65.3%	98.6%	98.6%	99.0%	86.0%	99
Simpson	212	96.7%	94.8%	100.0%	100.0%	100.0%	98.3%	19
Spencer	216	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1
Taylor	293	86.3%	86.3%	98.3%	98.6%	99.7%	93.9%	64
Todd	155	81.3%	80.6%	98.7%	100.0%	100.0%	92.1%	74
Trigg	156	94.2%	92.3%	100.0%	99.4%	100.0%	97.2%	31
Trimble	108	90.7%	90.7%	98.1%	96.3%	96.3%	94.4%	60
Union	167	95.2%	95.2%	98.8%	98.8%	98.8%	97.4%	29
Warren	1,349	69.4%	63.6%	96.9%	97.6%	97.0%	84.9%	104
Washington	144	88.2%	86.8%	96.5%	97.2%	96.5%	93.1%	71
Wayne	252	99.2%	99.2%	99.6%	99.6%	100.0%	99.5%	7
Webster	168	47.6%	54.2%	94.6%	95.2%	94.6%	77.3%	114
Whitley	593	68.1%	68.5%	96.5%	96.6%	97.1%	85.4%	101
Wolfe	95	80.0%	78.9%	100.0%	100.0%	100.0%	91.8%	76
Woodford	323	98.1%	98.1%	99.1%	99.4%	100.0%	98.9%	14

*Includes all schools who reported within a given county.

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Rankings
Immunization Coverage in Sixth Grade Sorted by County* Ranking from Highest to Lowest

County	Total # of Students	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella	Average Percent	County Ranking
Kentucky (Total)	53,378	82.9%	82.0%	97.8%	97.8%	98.0%	91.7%	
Ballard	97	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1
Hickman	56	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1
Robertson	18	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1
Spencer	216	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1
Menifee	63	100.0%	98.4%	100.0%	100.0%	100.0%	99.7%	5
Fleming	90	98.9%	98.9%	100.0%	100.0%	100.0%	99.6%	6
Wayne	252	99.2%	99.2%	99.6%	99.6%	100.0%	99.5%	7
Jackson	145	99.3%	98.6%	99.3%	99.3%	100.0%	99.3%	8
Rockcastle	227	98.2%	98.2%	100.0%	100.0%	100.0%	99.3%	9
Owen	157	98.1%	98.1%	100.0%	100.0%	100.0%	99.2%	10
McLean	129	99.2%	99.2%	99.2%	99.2%	99.2%	99.2%	11
Carter	340	99.1%	97.9%	99.1%	99.4%	99.7%	99.1%	12
Oldham	1,079	98.4%	98.4%	99.1%	99.2%	99.8%	99.0%	13
Woodford	323	98.1%	98.1%	99.1%	99.4%	100.0%	98.9%	14
LaRue	156	97.4%	98.7%	99.4%	98.7%	99.4%	98.7%	15
Hancock	140	97.1%	96.4%	100.0%	100.0%	100.0%	98.7%	16
McCreary	224	97.3%	97.3%	99.6%	98.7%	99.6%	98.5%	17
Meade	378	96.8%	97.1%	98.7%	99.5%	99.7%	98.4%	18
Simpson	212	96.7%	94.8%	100.0%	100.0%	100.0%	98.3%	19
Henry	232	95.7%	96.6%	99.1%	99.1%	100.0%	98.1%	20
Russell	207	97.1%	95.7%	98.1%	99.5%	100.0%	98.1%	21
Jessamine	578	96.9%	96.2%	99.0%	98.8%	99.0%	98.0%	22
Pendleton	171	95.9%	95.9%	99.4%	98.8%	99.4%	97.9%	23
Adair	185	96.2%	96.8%	99.5%	98.4%	98.4%	97.8%	24
Nicholas	83	94.0%	95.2%	100.0%	100.0%	100.0%	97.8%	25
Letcher	282	95.7%	96.5%	98.6%	98.6%	98.6%	97.6%	26
Marion	265	97.7%	97.7%	97.7%	97.0%	97.7%	97.6%	27
Calloway	312	95.8%	96.5%	98.4%	98.4%	98.4%	97.5%	28
Union	167	95.2%	95.2%	98.8%	98.8%	98.8%	97.4%	29
Mercer	264	94.7%	95.1%	98.9%	98.5%	98.9%	97.2%	30

*Includes all schools who reported within a given county.

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Rankings
Immunization Coverage in Sixth Grade Sorted by County* Ranking from Highest to Lowest

County	Total # of Students	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella	Average Percent	County Ranking
Kentucky (Total)	53,378	82.9%	82.0%	97.8%	97.8%	98.0%	91.7%	
Trigg	156	94.2%	92.3%	100.0%	99.4%	100.0%	97.2%	31
Marshall	408	95.3%	95.1%	98.3%	98.5%	98.5%	97.2%	32
Clinton	118	94.1%	91.5%	100.0%	99.2%	100.0%	96.9%	33
Muhlenberg	376	92.8%	93.9%	99.2%	99.2%	99.2%	96.9%	34
Allen	197	93.9%	92.4%	99.5%	98.5%	99.5%	96.8%	35
Fulton	67	95.5%	97.0%	97.0%	97.0%	97.0%	96.7%	36
Campbell	1,010	93.2%	93.4%	98.4%	98.5%	99.4%	96.6%	37
Madison	788	93.8%	93.7%	98.7%	98.1%	98.6%	96.6%	38
Pulaski	827	93.0%	92.1%	98.7%	99.3%	98.7%	96.3%	39
Hart	227	94.3%	93.0%	97.8%	98.2%	97.8%	96.2%	40
Leslie	121	93.4%	93.4%	97.5%	98.3%	98.3%	96.2%	41
Grayson	335	89.9%	91.6%	99.7%	99.7%	100.0%	96.2%	42
Clay	275	92.7%	93.5%	98.2%	97.8%	98.2%	96.1%	43
Lewis	183	89.6%	91.3%	100.0%	99.5%	100.0%	96.1%	44
Martin	147	93.9%	90.5%	98.6%	98.6%	98.6%	96.1%	45
Floyd	464	90.5%	89.4%	99.6%	99.4%	99.6%	95.7%	46
Barren	532	94.7%	94.4%	94.9%	98.9%	94.9%	95.6%	47
Carroll	136	90.4%	89.0%	99.3%	99.3%	99.3%	95.4%	48
Crittenden	104	90.4%	89.4%	99.0%	99.0%	99.0%	95.4%	49
Pike	782	89.5%	88.6%	99.4%	99.5%	99.4%	95.3%	50
Boone	1,952	91.0%	91.4%	97.4%	97.4%	98.6%	95.2%	51
Hopkins	595	89.1%	88.1%	99.5%	99.3%	99.8%	95.2%	52
Grant	348	88.8%	89.1%	99.1%	98.9%	99.4%	95.1%	53
Green	129	89.9%	86.8%	100.0%	98.4%	100.0%	95.0%	54
Kenton	2,162	89.5%	89.3%	98.8%	98.6%	99.0%	95.0%	55
Elliott	63	87.3%	87.3%	100.0%	100.0%	100.0%	94.9%	56
Breckinridge	278	88.8%	88.8%	98.9%	98.2%	98.9%	94.7%	57
Graves	424	93.4%	92.9%	95.8%	95.5%	96.0%	94.7%	58
Daviess	1,357	88.8%	87.9%	98.5%	98.5%	99.0%	94.5%	59
Trimble	108	90.7%	90.7%	98.1%	96.3%	96.3%	94.4%	60

*Includes all schools who reported within a given county.

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Rankings

Immunization Coverage in Sixth Grade Sorted by County* Ranking from Highest to Lowest

County	Total # of Students	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella	Average Percent	County Ranking
Kentucky (Total)	53,378	82.9%	82.0%	97.8%	97.8%	98.0%	91.7%	
Henderson	609	86.2%	87.4%	99.5%	98.9%	99.5%	94.3%	61
Anderson	324	89.5%	86.1%	98.5%	98.1%	98.8%	94.2%	62
Bracken	123	89.4%	88.6%	98.4%	95.9%	98.4%	94.1%	63
Taylor	293	86.3%	86.3%	98.3%	98.6%	99.7%	93.9%	64
Gallatin	129	86.8%	86.8%	98.4%	98.4%	98.4%	93.8%	65
Morgan	146	91.1%	91.1%	97.9%	93.8%	93.8%	93.6%	66
Perry	328	89.3%	89.9%	95.4%	97.3%	95.4%	93.5%	67
Carlisle	55	87.3%	85.5%	98.2%	98.2%	98.2%	93.5%	68
Monroe	134	86.6%	85.8%	97.0%	98.5%	98.5%	93.3%	69
Greenup	484	85.1%	84.7%	99.2%	98.3%	98.6%	93.2%	70
Washington	144	88.2%	86.8%	96.5%	97.2%	96.5%	93.1%	71
Boyle	362	85.4%	85.1%	98.3%	97.8%	98.1%	92.9%	72
Metcalfe	120	80.8%	80.0%	100.0%	100.0%	100.0%	92.2%	73
Todd	155	81.3%	80.6%	98.7%	100.0%	100.0%	92.1%	74
Lyon	67	86.6%	77.6%	98.5%	98.5%	98.5%	91.9%	75
Wolfe	95	80.0%	78.9%	100.0%	100.0%	100.0%	91.8%	76
Jefferson	9,003	82.9%	82.0%	97.9%	97.7%	98.0%	91.7%	77
Lawrence	207	82.1%	80.7%	98.1%	98.1%	98.1%	91.4%	78
Hardin	1,093	85.5%	85.5%	94.4%	96.6%	94.7%	91.3%	79
Mason	226	82.7%	82.7%	96.5%	96.0%	96.5%	90.9%	80
Caldwell	136	80.1%	76.5%	99.3%	98.5%	98.5%	90.6%	81
Fayette	3,493	78.8%	77.8%	98.6%	98.4%	98.8%	90.5%	82
Breathitt	195	80.5%	79.5%	97.4%	97.4%	96.9%	90.4%	83
Lincoln	285	76.1%	75.8%	99.6%	99.6%	100.0%	90.2%	84
Montgomery	349	76.8%	76.5%	98.9%	97.7%	98.0%	89.6%	85
McCracken	545	77.1%	75.4%	98.7%	97.8%	98.7%	89.5%	86
Logan	341	77.7%	77.1%	96.5%	99.1%	96.8%	89.4%	87
Garrard	180	96.7%	63.3%	95.6%	95.6%	95.6%	89.3%	88
Casey	165	79.4%	76.4%	95.8%	97.0%	97.0%	89.1%	89
Knott	176	74.4%	72.2%	99.4%	99.4%	99.4%	89.0%	90

*Includes all schools who reported within a given county.

Kentucky Annual School Immunization Survey Report, 2015 – 2016 — County Rankings
Immunization Coverage in Sixth Grade Sorted by County* Ranking from Highest to Lowest

County	Total # of Students	1 Tdap	1 MCV	3+ HepB	2 MMR	2 Varicella	Average Percent	County Ranking
Kentucky (Total)	53,378	82.9%	82.0%	97.8%	97.8%	98.0%	91.7%	
Estill	185	74.1%	73.0%	98.9%	98.4%	98.4%	88.5%	91
Bullitt	1,004	74.0%	73.0%	98.3%	98.2%	98.4%	88.4%	92
Boyd	585	75.4%	75.6%	96.4%	95.6%	95.6%	87.7%	93
Johnson	326	75.2%	75.2%	95.1%	93.9%	95.1%	86.9%	94
Scott	568	71.8%	71.7%	96.3%	96.8%	97.4%	86.8%	95
Butler	171	70.8%	67.8%	97.7%	98.2%	98.8%	86.7%	96
Harrison	222	71.2%	71.2%	96.8%	96.4%	97.3%	86.6%	97
Edmonson	152	68.4%	65.1%	99.3%	99.3%	99.3%	86.3%	98
Shelby	510	68.2%	65.3%	98.6%	98.6%	99.0%	86.0%	99
Nelson	569	73.5%	71.4%	93.1%	97.5%	93.1%	85.7%	100
Whitley	593	68.1%	68.5%	96.5%	96.6%	97.1%	85.4%	101
Bourbon	266	65.4%	63.9%	100.0%	97.0%	100.0%	85.3%	102
Laurel	761	67.9%	67.3%	97.5%	95.4%	97.5%	85.1%	103
Warren	1,349	69.4%	63.6%	96.9%	97.6%	97.0%	84.9%	104
Ohio	316	63.6%	61.7%	96.2%	96.8%	96.5%	83.0%	105
Harlan	339	87.3%	65.5%	86.1%	87.0%	86.1%	82.4%	106
Livingston	80	60.0%	58.8%	96.3%	97.5%	97.5%	82.0%	107
Bath	175	58.9%	56.6%	96.0%	95.4%	96.0%	80.6%	108
Christian	735	56.2%	53.5%	97.1%	97.3%	97.3%	80.3%	109
Cumberland	65	52.3%	47.7%	98.5%	100.0%	100.0%	79.7%	110
Knox	431	54.5%	54.3%	96.8%	95.6%	96.8%	79.6%	111
Powell	197	51.3%	51.3%	97.5%	97.0%	97.5%	78.9%	112
Clark	458	51.3%	49.3%	95.6%	96.3%	96.7%	77.9%	113
Webster	168	47.6%	54.2%	94.6%	95.2%	94.6%	77.3%	114
Owsley	51	54.9%	56.9%	92.2%	88.2%	92.2%	76.9%	115
Rowan	240	49.2%	49.6%	96.3%	92.9%	93.3%	76.3%	116
Magoffin	156	42.3%	42.3%	96.8%	97.4%	96.8%	75.1%	117
Franklin	621	52.3%	51.2%	87.0%	86.8%	87.4%	72.9%	118
Lee	48	45.8%	45.8%	89.6%	91.7%	89.6%	72.5%	119
Bell	358	27.1%	26.5%	96.6%	96.1%	96.4%	68.5%	120

*Includes all schools who reported within a given county.

APPENDIX F

KENTUCKY ANNUAL SCHOOL IMMUNIZATION SURVEY REPORT 2015 – 2016



**Changes in Percent of Coverage Rates by Vaccine and
Changes in Rank Order of Counties by Vaccine,
Comparing Results of the 2014-2015 to the 2015-2016
Annual School Immunization Surveys, by County
for Kindergarten or Sixth Grade**

**KINDERGARTEN - Sorted by County Name in Alphabetical Order (F-1)
SIXTH GRADE - Sorted by County Name in Alphabetical Order (F-2)**


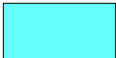
Two-Year Comparison of Changes in Percent of Coverage Rates, by County

Each of the age-specific reports for Kindergarten (Appendix F-1) or Sixth Grade (Appendix F-2) provides the change in percent of coverage rates for all five age-appropriate vaccinations surveyed, and the change in rank order of county rankings for all five age-appropriate vaccinations surveyed when comparing the results of the 2014-2015 to the 2015-2016 Annual School Immunization Surveys.

The change in county coverage rates (i.e., change in percentage) for each age-appropriate vaccine compared with the previous year's results were calculated for each county. Counties were classified into two groups:

- Counties with a positive change in percent were highlighted in yellow. 
- Counties with a negative change in percent were highlighted in blue. 

The change in rank order of a county from the previous year's results was assessed using the difference in the rank order from 2014-2015 to 2015-2016 for all five age-appropriate vaccinations surveyed. Counties were classified into two groups:

- Counties with a positive change in rank order were highlighted in yellow. 
- Counties with a negative change in rank order were highlighted in blue. 

Several objectives for Immunizations were defined by Healthy People 2020 (HP 2020), <http://www.healthypeople.gov/2020/topics-objectives/topic/immunization-and-infectious-diseases>.

The attainment of age-appropriate target measures for these Objectives is used annually by the Kentucky Immunization Program to identify schools that have been successful with vaccination compliance for school age children in the survey year.

The age-appropriate HP 2020 target measures, assessed in schools, were:

Kindergarten, by selected vaccines and doses:

- 95% or greater for 4+ DTaP, 3+ Polio, 3+ HepB, 2 MMR, and 2 Varicella;

Sixth Grade, by selected vaccines and doses:


- 80% or greater for 1 Tdap and 1 MCV, and
- 90% or greater for 2 Varicella

Two target Immunizations measures defined by the Kentucky Immunization Program (KIP) for adolescents, were adapted from definitions in Healthy People 2010 Objectives, (https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/DATA2010/Focusarea14/O1427a.pdf) and (https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Datasets/DATA2010/Focusarea14/O1427b.pdf).

The age-appropriate KIP target measures, assessed in schools, were:

Sixth Grade, by selected vaccines and doses:

- 95% or greater for 3 HepB and 2 MMR.

If any of the age-appropriate HP 2020 or KIP target measures were not met for a county or school, the background of the cell for the corresponding vaccine (COLUMN) for a given county or school (ROW) has been highlighted in red. 

2015-2016 Annual School Immunization Survey--Kindergarten Results
 Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	4+ DTaP					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.4%	N/A	94.0%	N/A	-0.4%	N/A
Adair	95.5%	59	98.5%	19	3.1%	40
Allen	98.4%	25	98.7%	16	0.3%	9
Anderson	97.2%	42	97.5%	39	0.3%	3
Ballard	97.8%	33	100.0%	1	2.2%	32
Barren	96.5%	53	96.7%	46	0.3%	7
Bath	92.5%	83	88.4%	104	-4.4%	-21
Bell	90.4%	95	89.0%	102	-1.5%	-7
Boone	97.4%	39	97.7%	35	0.3%	4
Bourbon	98.1%	27	96.4%	49	-1.8%	-22
Boyd	93.9%	75	95.0%	67	1.2%	8
Boyle	91.4%	89	93.6%	83	2.3%	6
Bracken	94.9%	66	98.2%	22	3.6%	44
Breathitt	85.2%	114	87.8%	107	3.0%	7
Breckinridge	95.0%	63	97.4%	42	2.5%	21
Bullitt	94.9%	64	90.1%	97	-5.1%	-33
Butler	94.3%	72	93.8%	82	-0.6%	-10
Caldwell	96.5%	52	91.0%	94	-5.7%	-42
Calloway	97.6%	35	97.5%	38	-0.1%	-3
Campbell	97.1%	44	95.4%	64	-1.7%	-20
Carlisle	91.0%	93	94.9%	68	4.2%	25

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	4+ DTaP					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.4%	N/A	94.0%	N/A	-0.4%	N/A
Carroll	86.8%	109	77.8%	119	-10.4%	-10
Carter	96.5%	51	95.5%	62	-1.1%	-11
Casey	91.3%	90	86.8%	111	-4.9%	-21
Christian	93.5%	78	88.4%	105	-5.5%	-27
Clark	93.1%	81	94.8%	69	1.8%	12
Clay	94.1%	73	93.3%	84	-0.8%	-11
Clinton	96.0%	57	97.7%	36	1.8%	21
Crittenden	89.4%	97	86.9%	110	-2.8%	-13
Cumberland	98.7%	17	95.8%	58	-3.0%	-41
Daviess	93.5%	77	93.3%	86	-0.3%	-9
Edmonson	99.3%	9	94.2%	78	-5.1%	-69
Elliott	94.9%	64	96.2%	52	1.3%	12
Estill	88.5%	103	89.8%	98	1.5%	5
Fayette	96.3%	55	96.4%	48	0.1%	7
Fleming	99.0%	13	98.2%	22	-0.8%	-9
Floyd	99.0%	15	97.4%	41	-1.5%	-26
Franklin	86.7%	110	92.2%	91	6.4%	19
Fulton	98.9%	16	100.0%	1	1.2%	15
Gallatin	84.7%	116	96.6%	47	14.0%	69
Garrard	88.6%	102	77.5%	120	-12.5%	-18

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
 Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	4+ DTaP					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.4%	N/A	94.0%	N/A	-0.4%	N/A
Grant	95.5%	61	95.6%	61	0.1%	0
Graves	96.8%	48	97.0%	45	0.2%	3
Grayson	99.7%	4	99.0%	11	-0.7%	-7
Green	94.8%	67	94.6%	71	-0.1%	-4
Greenup	97.2%	43	95.2%	66	-2.0%	-23
Hancock	99.0%	12	93.2%	87	-5.9%	-75
Hardin	88.7%	101	88.0%	106	-0.8%	-5
Harlan	82.2%	118	84.2%	115	2.5%	3
Harrison	87.7%	106	91.2%	93	4.0%	13
Hart	97.8%	32	98.8%	15	1.0%	17
Henderson	97.8%	34	98.0%	29	0.2%	5
Henry	98.0%	29	95.8%	59	-2.3%	-30
Hickman	100.0%	1	100.0%	1	0.0%	0
Hopkins	97.4%	40	97.9%	32	0.5%	8
Jackson	97.9%	30	100.0%	1	2.1%	29
Jefferson	94.1%	74	92.5%	90	-1.7%	-16
Jessamine	91.2%	91	96.2%	52	5.4%	39
Johnson	85.3%	113	90.3%	96	5.8%	17
Kenton	97.3%	41	95.3%	65	-2.0%	-24
Knott	91.7%	88	97.9%	31	6.7%	57

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	4+ DTaP					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.4%	N/A	94.0%	N/A	-0.4%	N/A
Knox	81.3%	119	83.5%	117	2.8%	2
LaRue	87.1%	108	100.0%	1	14.8%	107
Laurel	86.6%	111	88.9%	103	2.7%	8
Lawrence	96.4%	54	83.2%	118	-13.7%	-64
Lee	91.9%	86	87.4%	109	-4.9%	-23
Leslie	95.3%	62	98.4%	20	3.3%	42
Letcher	97.0%	45	94.4%	76	-2.7%	-31
Lewis	98.4%	24	95.9%	55	-2.6%	-31
Lincoln	97.4%	37	95.7%	60	-1.8%	-23
Livingston	87.6%	107	90.7%	95	3.5%	12
Logan	84.2%	117	89.2%	101	5.8%	16
Lyon	98.6%	18	95.9%	57	-2.8%	-39
Madison	97.4%	37	95.9%	56	-1.6%	-19
Magoffin	90.8%	94	87.5%	108	-3.6%	-14
Marion	98.6%	19	97.8%	33	-0.8%	-14
Marshall	93.9%	76	94.0%	80	0.1%	-4
Martin	99.4%	8	97.3%	43	-2.1%	-35
Mason	88.1%	105	86.7%	112	-1.6%	-7
McCracken	94.5%	69	92.7%	88	-1.9%	-19
McCreary	98.6%	21	98.2%	24	-0.4%	-3

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
 Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	4+ DTaP					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.4%	N/A	94.0%	N/A	-0.4%	N/A
McLean	96.6%	50	94.2%	79	-2.6%	-29
Meade	99.1%	11	98.1%	26	-1.1%	-15
Menifee	100.0%	1	98.8%	14	-1.2%	-13
Mercer	99.6%	5	98.7%	17	-0.9%	-12
Metcalfe	89.6%	96	99.1%	10	10.6%	86
Monroe	93.5%	79	94.6%	72	1.2%	7
Montgomery	85.8%	112	85.6%	114	-0.3%	-2
Morgan	98.1%	28	100.0%	1	1.9%	27
Muhlenberg	92.7%	82	95.5%	62	3.0%	20
Nelson	84.9%	115	91.9%	92	8.2%	23
Nicholas	96.8%	47	100.0%	1	3.3%	46
Ohio	88.4%	104	83.8%	116	-5.2%	-12
Oldham	97.9%	31	97.5%	40	-0.4%	-9
Owen	95.6%	58	96.2%	50	0.7%	8
Owsley	96.9%	46	94.5%	73	-2.5%	-27
Pendleton	98.4%	26	97.7%	37	-0.7%	-11
Perry	94.8%	68	94.4%	75	-0.4%	-7
Pike	98.5%	22	98.0%	28	-0.5%	-6
Powell	89.2%	98	86.5%	113	-3.1%	-15
Pulaski	98.4%	23	89.3%	99	-9.2%	-76

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	4+ DTaP					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.4%	N/A	94.0%	N/A	-0.4%	N/A
Robertson	100.0%	1	100.0%	1	0.0%	0
Rockcastle	96.7%	49	97.8%	34	1.1%	15
Rowan	93.2%	80	93.3%	85	0.1%	-5
Russell	99.6%	6	98.2%	25	-1.5%	-19
Scott	88.8%	100	94.3%	77	6.2%	23
Shelby	94.3%	71	96.2%	51	1.9%	20
Simpson	98.6%	20	99.5%	9	0.9%	11
Spencer	99.0%	14	98.9%	12	0.0%	2
Taylor	92.4%	84	98.1%	27	6.2%	57
Todd	75.8%	120	94.5%	74	24.6%	46
Trigg	92.3%	85	97.9%	30	6.2%	55
Trimble	91.1%	92	92.6%	89	1.6%	3
Union	99.5%	7	97.1%	44	-2.4%	-37
Warren	95.5%	60	96.0%	54	0.5%	6
Washington	94.4%	70	94.7%	70	0.3%	0
Wayne	99.1%	10	98.7%	18	-0.4%	-8
Webster	89.1%	99	89.2%	100	0.1%	-1
Whitley	96.3%	56	93.9%	81	-2.5%	-25
Wolfe	91.8%	87	98.9%	13	7.8%	74
Woodford	97.5%	36	98.3%	21	0.8%	15

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	3+ Polio					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.7%	N/A	94.5%	N/A	-0.2%	N/A
Adair	100.0%	1	99.5%	10	-0.5%	-9
Allen	99.2%	13	98.7%	24	-0.5%	-11
Anderson	95.8%	59	98.8%	23	3.0%	36
Ballard	98.9%	22	100.0%	1	1.1%	21
Barren	96.8%	56	96.7%	52	0.0%	4
Bath	92.5%	86	89.1%	105	-3.6%	-19
Bell	90.4%	94	89.3%	103	-1.2%	-9
Boone	97.9%	40	97.8%	40	-0.1%	0
Bourbon	98.1%	34	96.4%	57	-1.8%	-23
Boyd	95.1%	63	95.0%	70	-0.1%	-7
Boyle	91.7%	91	93.6%	84	2.0%	7
Bracken	91.9%	88	99.1%	17	7.8%	71
Breathitt	85.2%	115	88.8%	106	4.3%	9
Breckinridge	95.0%	65	97.7%	41	2.9%	24
Bullitt	95.1%	64	90.5%	95	-4.7%	-31
Butler	94.9%	67	93.8%	81	-1.2%	-14
Caldwell	96.5%	57	91.7%	92	-5.0%	-35
Calloway	97.8%	42	97.5%	44	-0.3%	-2
Campbell	97.2%	52	95.7%	64	-1.6%	-12
Carlisle	91.0%	93	94.9%	73	4.2%	20

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
 Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	3+ Polio					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.7%	N/A	94.5%	N/A	-0.2%	N/A
Carroll	86.3%	111	79.5%	120	-7.9%	-9
Carter	97.4%	47	95.5%	66	-2.0%	-19
Casey	91.3%	92	86.8%	112	-4.9%	-20
Christian	94.1%	74	88.7%	107	-5.7%	-33
Clark	92.7%	85	95.8%	61	3.3%	24
Clay	93.8%	78	93.6%	83	-0.2%	-5
Clinton	98.7%	27	96.2%	58	-2.5%	-31
Crittenden	89.4%	98	90.7%	94	1.4%	4
Cumberland	98.7%	26	95.8%	63	-3.0%	-37
Daviess	93.8%	79	93.7%	82	0.0%	-3
Edmonson	100.0%	1	93.5%	85	-6.5%	-84
Elliott	94.9%	66	96.2%	59	1.3%	7
Estill	88.5%	105	89.8%	99	1.5%	6
Fayette	95.8%	60	96.9%	50	1.1%	10
Fleming	99.0%	18	99.4%	12	0.4%	6
Floyd	98.8%	25	97.6%	43	-1.2%	-18
Franklin	87.0%	110	93.3%	86	7.3%	24
Fulton	98.9%	23	100.0%	1	1.2%	22
Gallatin	89.0%	102	97.4%	45	9.5%	57
Garrard	90.0%	95	79.7%	119	-11.5%	-24

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
 Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	3+ Polio					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.7%	N/A	94.5%	N/A	-0.2%	N/A
Grant	97.3%	48	98.1%	36	0.8%	12
Graves	96.8%	55	98.5%	28	1.8%	27
Grayson	99.7%	8	99.3%	13	-0.3%	-5
Green	94.8%	68	94.6%	74	-0.1%	-6
Greenup	98.0%	39	96.0%	60	-2.0%	-21
Hancock	100.0%	1	94.1%	79	-5.9%	-78
Hardin	89.2%	100	88.1%	108	-1.3%	-8
Harlan	83.2%	118	84.8%	116	1.9%	2
Harrison	88.5%	104	91.2%	93	3.0%	11
Hart	99.5%	10	98.8%	22	-0.7%	-12
Henderson	98.2%	32	98.4%	31	0.1%	1
Henry	98.0%	37	96.8%	51	-1.2%	-14
Hickman	100.0%	1	100.0%	1	0.0%	0
Hopkins	98.2%	33	97.9%	38	-0.3%	-5
Jackson	97.4%	46	99.5%	11	2.1%	35
Jefferson	94.6%	69	93.0%	87	-1.6%	-18
Jessamine	94.4%	70	96.5%	56	2.2%	14
Johnson	83.4%	117	90.0%	98	7.8%	19
Kenton	97.3%	51	95.7%	65	-1.6%	-14
Knott	91.7%	90	98.9%	18	7.9%	72

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	3+ Polio					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.7%	N/A	94.5%	N/A	-0.2%	N/A
Knox	81.7%	119	85.1%	115	4.1%	4
LaRue	87.7%	107	100.0%	1	14.0%	106
Laurel	87.5%	109	90.1%	97	3.0%	12
Lawrence	98.0%	38	84.7%	117	-13.6%	-79
Lee	93.0%	80	87.4%	109	-6.1%	-29
Leslie	97.3%	49	99.2%	15	2.0%	34
Letcher	97.3%	49	95.1%	69	-2.3%	-20
Lewis	99.0%	20	97.3%	47	-1.7%	-27
Lincoln	98.1%	36	96.9%	49	-1.2%	-13
Livingston	87.6%	108	89.7%	102	2.4%	6
Logan	84.9%	116	89.8%	101	5.7%	15
Lyon	98.6%	28	94.5%	75	-4.2%	-47
Madison	97.4%	45	96.6%	54	-0.8%	-9
Magoffin	91.9%	89	86.8%	111	-5.5%	-22
Marion	98.6%	29	97.8%	39	-0.8%	-10
Marshall	93.9%	76	94.0%	80	0.1%	-4
Martin	99.4%	11	97.3%	46	-2.1%	-35
Mason	88.1%	106	87.2%	110	-1.1%	-4
McCracken	94.2%	72	92.5%	90	-1.8%	-18
McCreary	98.6%	30	98.2%	35	-0.4%	-5

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
 Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	3+ Polio					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.7%	N/A	94.5%	N/A	-0.2%	N/A
McLean	97.5%	44	89.2%	104	-8.5%	-60
Meade	99.1%	15	98.1%	37	-1.1%	-22
Menifee	100.0%	1	100.0%	1	0.0%	0
Mercer	99.3%	12	98.7%	25	-0.6%	-13
Metcalfe	89.6%	97	99.1%	16	10.6%	81
Monroe	92.8%	82	95.3%	67	2.7%	15
Montgomery	86.0%	112	86.4%	114	0.4%	-2
Morgan	98.1%	35	100.0%	1	1.9%	34
Muhlenberg	92.4%	87	94.9%	72	2.7%	15
Nelson	85.6%	114	91.9%	91	7.4%	23
Nicholas	98.9%	21	100.0%	1	1.1%	20
Ohio	89.0%	103	84.1%	118	-5.5%	-15
Oldham	97.9%	41	98.2%	34	0.3%	7
Owen	96.3%	58	97.7%	42	1.5%	16
Owsley	93.8%	77	92.7%	88	-1.2%	-11
Pendleton	98.4%	31	98.3%	32	-0.1%	-1
Perry	95.5%	61	94.4%	77	-1.2%	-16
Pike	99.1%	16	98.5%	29	-0.7%	-13
Powell	89.2%	101	86.5%	113	-3.1%	-12
Pulaski	98.8%	24	90.4%	96	-8.5%	-72

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
 Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	3+ Polio					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.7%	N/A	94.5%	N/A	-0.2%	N/A
Robertson	100.0%	1	100.0%	1	0.0%	0
Rockcastle	97.2%	53	98.9%	21	1.8%	32
Rowan	93.9%	75	94.1%	78	0.2%	-3
Russell	99.6%	9	99.3%	14	-0.4%	-5
Scott	89.2%	99	94.9%	71	6.4%	28
Shelby	94.1%	73	95.8%	62	1.7%	11
Simpson	99.1%	17	99.5%	9	0.5%	8
Spencer	99.0%	19	98.9%	19	0.0%	0
Taylor	85.9%	113	98.4%	30	14.5%	83
Todd	76.5%	120	95.3%	68	24.6%	52
Trigg	93.0%	81	98.6%	27	6.1%	54
Trimble	92.7%	84	92.6%	89	-0.1%	-5
Union	100.0%	1	97.1%	48	-2.9%	-47
Warren	95.4%	62	96.6%	55	1.3%	7
Washington	94.4%	71	96.7%	53	2.4%	18
Wayne	99.1%	14	98.7%	26	-0.4%	-12
Webster	89.7%	96	89.8%	100	0.1%	-4
Whitley	96.8%	54	94.4%	76	-2.5%	-22
Wolfe	92.8%	83	98.9%	20	6.6%	63
Woodford	97.5%	43	98.3%	32	0.8%	11

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	3+ HepB					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.1%	N/A	94.0%	N/A	-0.1%	N/A
Adair	99.5%	7	99.0%	14	-0.5%	-7
Allen	99.6%	6	97.9%	37	-1.7%	-31
Anderson	96.5%	53	98.8%	18	2.3%	35
Ballard	100.0%	1	100.0%	1	0.0%	0
Barren	97.1%	47	95.9%	57	-1.2%	-10
Bath	89.6%	99	87.8%	104	-2.1%	-5
Bell	90.4%	95	87.6%	106	-3.1%	-11
Boone	97.9%	35	97.6%	42	-0.3%	-7
Bourbon	98.1%	30	96.0%	56	-2.2%	-26
Boyd	93.9%	70	94.7%	69	0.8%	1
Boyle	90.9%	91	93.0%	81	2.4%	10
Bracken	94.9%	59	96.5%	51	1.7%	8
Breathitt	89.9%	97	89.4%	102	-0.6%	-5
Breckinridge	94.2%	69	97.7%	41	3.8%	28
Bullitt	94.7%	60	90.4%	97	-4.6%	-37
Butler	92.6%	81	92.4%	88	-0.2%	-7
Caldwell	94.4%	65	91.0%	92	-3.6%	-27
Calloway	97.8%	37	97.5%	43	-0.3%	-6
Campbell	97.8%	36	95.4%	63	-2.5%	-27
Carlisle	89.6%	100	94.9%	67	5.9%	33

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
 Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	3+ HepB					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.1%	N/A	94.0%	N/A	-0.1%	N/A
Carroll	90.0%	96	83.6%	115	-7.1%	-19
Carter	97.1%	46	95.7%	61	-1.4%	-15
Casey	90.8%	93	86.2%	111	-5.1%	-18
Christian	93.7%	74	87.7%	105	-6.4%	-31
Clark	92.9%	79	90.8%	94	-2.3%	-15
Clay	91.7%	87	92.6%	86	0.9%	1
Clinton	98.7%	22	97.0%	48	-1.7%	-26
Crittenden	88.5%	103	90.7%	95	2.5%	8
Cumberland	98.7%	21	95.8%	59	-3.0%	-38
Daviess	93.1%	77	93.9%	76	0.9%	1
Edmonson	98.0%	33	92.8%	82	-5.3%	-49
Elliott	92.9%	78	98.7%	19	6.2%	59
Estill	87.2%	108	89.2%	103	2.3%	5
Fayette	93.7%	75	96.4%	53	2.9%	22
Fleming	99.5%	8	98.2%	28	-1.3%	-20
Floyd	99.3%	10	98.0%	32	-1.3%	-22
Franklin	86.5%	112	91.9%	90	6.2%	22
Fulton	100.0%	1	100.0%	1	0.0%	0
Gallatin	91.5%	90	96.6%	50	5.5%	40
Garrard	92.5%	82	83.0%	116	-10.3%	-34

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	3+ HepB					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.1%	N/A	94.0%	N/A	-0.1%	N/A
Grant	96.0%	56	97.8%	39	1.9%	17
Graves	96.2%	55	97.9%	35	1.7%	20
Grayson	99.0%	16	99.3%	10	0.3%	6
Green	93.5%	76	94.6%	71	1.3%	5
Greenup	97.0%	48	95.2%	65	-1.8%	-17
Hancock	100.0%	1	94.1%	75	-5.9%	-74
Hardin	88.1%	105	86.8%	109	-1.5%	-4
Harlan	83.0%	118	82.5%	119	-0.6%	-1
Harrison	88.1%	106	90.2%	98	2.4%	8
Hart	98.4%	27	98.8%	17	0.4%	10
Henderson	97.8%	38	97.4%	44	-0.3%	-6
Henry	98.0%	32	97.9%	36	-0.1%	-4
Hickman	100.0%	1	100.0%	1	0.0%	0
Hopkins	98.3%	29	98.0%	31	-0.3%	-2
Jackson	96.9%	50	99.5%	9	2.7%	41
Jefferson	93.7%	73	92.6%	87	-1.3%	-14
Jessamine	91.6%	88	95.5%	62	4.3%	26
Johnson	85.6%	115	90.6%	96	5.9%	19
Kenton	97.7%	40	95.8%	60	-1.9%	-20
Knott	90.8%	92	98.4%	24	8.4%	68

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
 Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	3+ HepB					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.1%	N/A	94.0%	N/A	-0.1%	N/A
Knox	79.0%	119	82.8%	117	4.9%	2
LaRue	87.1%	109	100.0%	1	14.8%	108
Laurel	84.5%	117	89.9%	99	6.4%	18
Lawrence	98.4%	26	82.7%	118	-16.0%	-92
Lee	91.9%	85	87.4%	108	-4.9%	-23
Leslie	97.3%	41	99.2%	12	2.0%	29
Letcher	97.3%	41	95.4%	64	-1.9%	-23
Lewis	99.0%	18	98.6%	20	-0.3%	-2
Lincoln	97.8%	39	96.5%	52	-1.3%	-13
Livingston	86.6%	111	89.7%	101	3.6%	10
Logan	86.2%	114	92.8%	83	7.7%	31
Lyon	94.6%	63	86.3%	110	-8.8%	-47
Madison	97.2%	43	96.4%	55	-0.9%	-12
Magoffin	91.9%	84	87.5%	107	-4.8%	-23
Marion	98.6%	23	97.8%	38	-0.8%	-15
Marshall	93.9%	71	93.3%	78	-0.6%	-7
Martin	99.4%	9	97.3%	45	-2.1%	-36
Mason	86.3%	113	81.7%	120	-5.4%	-7
McCracken	94.3%	67	92.2%	89	-2.3%	-22
McCreary	99.0%	15	98.2%	29	-0.9%	-14

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	3+ HepB					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.1%	N/A	94.0%	N/A	-0.1%	N/A
McLean	96.6%	52	95.0%	66	-1.7%	-14
Meade	99.1%	14	98.1%	30	-1.1%	-16
Menifee	100.0%	1	100.0%	1	0.0%	0
Mercer	99.3%	11	99.1%	13	-0.1%	-2
Metcalfe	89.6%	98	98.3%	27	9.6%	71
Monroe	92.8%	80	94.6%	72	1.9%	8
Montgomery	88.2%	104	83.7%	114	-5.0%	-10
Morgan	98.1%	31	100.0%	1	1.9%	30
Muhlenberg	90.7%	94	93.2%	79	2.7%	15
Nelson	85.2%	116	91.7%	91	7.6%	25
Nicholas	97.9%	34	100.0%	1	2.2%	33
Ohio	89.0%	102	84.7%	113	-4.8%	-11
Oldham	97.2%	45	98.0%	33	0.8%	12
Owen	95.6%	58	94.7%	70	-0.9%	-12
Owsley	96.9%	49	92.7%	84	-4.3%	-35
Pendleton	98.9%	19	97.1%	46	-1.8%	-27
Perry	94.5%	64	93.1%	80	-1.5%	-16
Pike	98.9%	20	98.6%	22	-0.3%	-2
Powell	88.1%	107	85.3%	112	-3.1%	-5
Pulaski	98.6%	25	90.8%	93	-7.8%	-68

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
 Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	3+ HepB					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	94.1%	N/A	94.0%	N/A	-0.1%	N/A
Robertson	94.7%	61	100.0%	1	5.6%	60
Rockcastle	97.2%	44	98.3%	25	1.2%	19
Rowan	94.6%	62	94.1%	74	-0.6%	-12
Russell	99.3%	12	99.3%	11	0.0%	1
Scott	86.8%	110	96.4%	54	11.2%	56
Shelby	93.8%	72	95.8%	58	2.1%	14
Simpson	98.6%	24	98.5%	23	0.0%	1
Spencer	99.0%	17	98.9%	15	0.0%	2
Taylor	96.3%	54	97.8%	40	1.5%	14
Todd	73.8%	120	94.5%	73	28.0%	47
Trigg	91.5%	89	98.6%	21	7.7%	68
Trimble	91.9%	83	92.6%	85	0.8%	-2
Union	98.4%	28	97.1%	47	-1.3%	-19
Warren	94.3%	68	94.8%	68	0.6%	0
Washington	94.4%	66	96.7%	49	2.4%	17
Wayne	99.1%	13	98.3%	26	-0.9%	-13
Webster	89.1%	101	89.8%	100	0.7%	1
Whitley	96.8%	51	93.7%	77	-3.2%	-26
Wolfe	91.8%	86	98.9%	16	7.8%	70
Woodford	96.0%	57	97.9%	34	2.1%	23

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
 Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	2 MMR					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	92.7%	N/A	92.3%	N/A	-0.4%	N/A
Adair	98.5%	13	99.0%	9	0.5%	4
Allen	99.6%	3	98.7%	11	-0.9%	-8
Anderson	94.4%	60	98.3%	14	4.1%	46
Ballard	97.8%	22	100.0%	1	2.2%	21
Barren	95.4%	50	96.1%	43	0.7%	7
Bath	86.1%	97	87.1%	98	1.1%	-1
Bell	83.9%	108	84.4%	108	0.6%	0
Boone	97.6%	24	96.7%	34	-0.9%	-10
Bourbon	96.2%	41	95.6%	46	-0.6%	-5
Boyd	91.3%	80	92.9%	73	1.8%	7
Boyle	91.2%	83	92.7%	76	1.7%	7
Bracken	91.9%	76	96.5%	39	5.0%	37
Breathitt	77.5%	118	85.6%	104	10.5%	14
Breckinridge	92.6%	69	95.9%	45	3.5%	24
Bullitt	93.2%	64	89.2%	94	-4.4%	-30
Butler	89.8%	88	93.8%	66	4.5%	22
Caldwell	96.5%	37	91.0%	88	-5.7%	-51
Calloway	97.3%	29	97.2%	28	-0.1%	1
Campbell	97.2%	30	94.8%	52	-2.5%	-22
Carlisle	88.1%	91	92.3%	80	4.8%	11

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	2 MMR					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	92.7%	N/A	92.3%	N/A	-0.4%	N/A
Carroll	85.3%	105	84.2%	109	-1.2%	-4
Carter	93.1%	67	91.5%	85	-1.7%	-18
Casey	89.1%	90	86.2%	103	-3.3%	-13
Christian	91.9%	75	85.6%	105	-6.9%	-30
Clark	90.8%	84	94.1%	65	3.7%	19
Clay	91.4%	79	91.9%	82	0.5%	-3
Clinton	98.0%	17	94.7%	53	-3.4%	-36
Crittenden	87.5%	92	89.7%	91	2.5%	1
Cumberland	97.4%	27	93.0%	72	-4.6%	-45
Daviess	91.2%	82	80.9%	114	-11.4%	-32
Edmonson	99.3%	6	94.2%	62	-5.1%	-56
Elliott	93.9%	62	96.2%	42	2.4%	20
Estill	82.1%	113	86.2%	101	5.1%	12
Fayette	94.7%	57	95.2%	48	0.5%	9
Fleming	98.5%	14	98.2%	18	-0.3%	-4
Floyd	98.3%	15	96.7%	33	-1.6%	-18
Franklin	68.9%	120	87.5%	97	26.9%	23
Fulton	98.9%	12	100.0%	1	1.2%	11
Gallatin	85.6%	102	92.3%	80	7.8%	22
Garrard	86.1%	99	77.5%	118	-10.0%	-19

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
 Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	2 MMR					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	92.7%	N/A	92.3%	N/A	-0.4%	N/A
Grant	95.2%	53	97.2%	29	2.1%	24
Graves	95.5%	48	96.2%	41	0.7%	7
Grayson	99.0%	9	98.0%	21	-1.0%	-12
Green	94.8%	55	93.8%	67	-1.1%	-12
Greenup	95.6%	47	94.4%	60	-1.2%	-13
Hancock	99.0%	8	92.4%	79	-6.7%	-71
Hardin	85.9%	101	85.4%	106	-0.6%	-5
Harlan	78.9%	116	83.0%	112	5.2%	4
Harrison	82.1%	112	89.3%	93	8.7%	19
Hart	97.8%	21	98.2%	19	0.3%	2
Henderson	97.4%	26	96.0%	44	-1.5%	-18
Henry	97.5%	25	96.3%	40	-1.3%	-15
Hickman	96.2%	43	100.0%	1	4.0%	42
Hopkins	97.4%	28	96.5%	36	-0.8%	-8
Jackson	97.9%	20	99.0%	10	1.1%	10
Jefferson	92.6%	70	91.5%	86	-1.3%	-16
Jessamine	93.2%	65	95.2%	50	2.1%	15
Johnson	83.4%	110	89.0%	95	6.6%	15
Kenton	96.3%	40	94.3%	61	-2.1%	-21
Knott	91.3%	81	97.9%	24	7.2%	57

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
 Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	2 MMR					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	92.7%	N/A	92.3%	N/A	-0.4%	N/A
Knox	79.2%	115	79.4%	116	0.2%	-1
LaRue	86.0%	100	100.0%	1	16.3%	99
Laurel	84.8%	107	86.8%	99	2.4%	8
Lawrence	95.2%	54	79.2%	117	-16.8%	-63
Lee	91.9%	77	86.2%	102	-6.2%	-25
Leslie	92.6%	71	96.9%	32	4.7%	39
Letcher	96.6%	36	91.5%	84	-5.2%	-48
Lewis	96.9%	33	94.6%	56	-2.4%	-23
Lincoln	96.5%	39	95.3%	47	-1.2%	-8
Livingston	82.5%	111	90.7%	89	10.0%	22
Logan	83.9%	109	86.7%	100	3.4%	9
Lyon	94.6%	58	94.5%	58	-0.1%	0
Madison	95.6%	45	92.6%	77	-3.1%	-32
Magoffin	86.1%	97	83.6%	111	-3.0%	-14
Marion	96.5%	38	97.4%	26	0.9%	12
Marshall	93.1%	66	92.5%	78	-0.6%	-12
Martin	98.2%	16	97.3%	27	-0.9%	-11
Mason	78.5%	117	75.7%	120	-3.6%	-3
McCracken	90.2%	87	91.2%	87	1.2%	0
McCreary	96.2%	42	95.0%	51	-1.2%	-9

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
 Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	2 MMR					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	92.7%	N/A	92.3%	N/A	-0.4%	N/A
McLean	94.1%	61	76.7%	119	-18.5%	-58
Meade	99.4%	5	98.1%	20	-1.3%	-15
Menifee	100.0%	1	100.0%	1	0.0%	0
Mercer	98.9%	10	98.3%	16	-0.6%	-6
Metcalfe	89.6%	89	96.5%	37	7.7%	52
Monroe	92.8%	68	94.6%	55	1.9%	13
Montgomery	85.1%	106	82.9%	113	-2.5%	-7
Morgan	95.6%	46	99.3%	7	3.9%	39
Muhlenberg	90.4%	86	84.9%	107	-6.1%	-21
Nelson	82.0%	114	88.4%	96	7.8%	18
Nicholas	94.7%	56	100.0%	1	5.6%	55
Ohio	85.4%	104	79.6%	115	-6.7%	-11
Oldham	97.1%	31	96.9%	31	-0.1%	0
Owen	97.0%	32	94.7%	54	-2.5%	-22
Owsley	86.2%	96	94.5%	57	9.7%	39
Pendleton	96.7%	35	96.6%	35	-0.2%	0
Perry	92.3%	73	92.8%	75	0.6%	-2
Pike	98.0%	18	97.1%	30	-1.0%	-12
Powell	86.4%	94	84.1%	110	-2.6%	-16
Pulaski	97.6%	23	89.3%	92	-8.4%	-69

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	2 MMR					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	92.7%	N/A	92.3%	N/A	-0.4%	N/A
Robertson	100.0%	1	94.4%	59	-5.6%	-58
Rockcastle	95.8%	44	98.3%	15	2.7%	29
Rowan	90.7%	85	92.9%	74	2.4%	11
Russell	98.9%	11	98.5%	12	-0.4%	-1
Scott	86.4%	95	94.2%	63	9.1%	32
Shelby	92.5%	72	93.1%	70	0.6%	2
Simpson	96.7%	34	99.0%	8	2.4%	26
Spencer	97.9%	19	98.4%	13	0.5%	6
Taylor	95.4%	49	96.5%	38	1.1%	11
Todd	71.8%	119	93.8%	67	30.5%	52
Trigg	92.3%	74	97.9%	22	6.2%	52
Trimble	85.5%	103	91.6%	83	7.1%	20
Union	99.5%	4	94.1%	64	-5.4%	-60
Warren	95.2%	52	95.2%	49	0.0%	3
Washington	93.3%	63	93.3%	69	0.0%	-6
Wayne	99.1%	7	98.3%	17	-0.9%	-10
Webster	87.0%	93	89.8%	90	3.2%	3
Whitley	94.6%	59	93.0%	71	-1.6%	-12
Wolfe	91.8%	78	97.9%	25	6.7%	53
Woodford	95.3%	51	97.9%	23	2.7%	28

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	2 Varicella					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	92.3%	N/A	91.5%	N/A	-0.9%	N/A
Adair	98.0%	18	97.5%	19	-0.5%	-1
Allen	98.8%	11	98.7%	7	-0.1%	4
Anderson	93.4%	63	96.3%	35	3.1%	28
Ballard	97.8%	19	98.9%	6	1.1%	13
Barren	95.2%	46	95.6%	42	0.4%	4
Bath	87.3%	94	87.1%	95	-0.2%	-1
Bell	84.7%	106	86.2%	97	1.7%	9
Boone	97.0%	30	96.3%	34	-0.7%	-4
Bourbon	97.4%	27	95.3%	45	-2.2%	-18
Boyd	90.2%	84	91.3%	83	1.2%	1
Boyle	89.4%	89	91.1%	84	1.9%	5
Bracken	89.7%	86	95.6%	41	6.6%	45
Breathitt	78.1%	117	84.0%	109	7.6%	8
Breckinridge	91.5%	76	95.1%	48	4.0%	28
Bullitt	93.3%	64	88.7%	90	-5.0%	-26
Butler	88.6%	91	93.1%	66	5.0%	25
Caldwell	93.1%	66	90.3%	86	-2.9%	-20
Calloway	96.9%	33	97.0%	30	0.1%	3
Campbell	97.0%	29	93.7%	62	-3.5%	-33
Carlisle	86.6%	95	92.3%	73	6.6%	22

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
 Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	2 Varicella					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	92.3%	N/A	91.5%	N/A	-0.9%	N/A
Carroll	82.1%	111	71.9%	120	-12.4%	-9
Carter	92.2%	70	91.8%	78	-0.5%	-8
Casey	90.8%	80	84.9%	107	-6.5%	-27
Christian	91.1%	78	85.6%	99	-6.0%	-21
Clark	90.1%	85	93.6%	63	3.9%	22
Clay	91.1%	77	92.9%	67	2.0%	10
Clinton	98.7%	12	94.7%	50	-4.0%	-38
Crittenden	87.5%	93	86.0%	98	-1.7%	-5
Cumberland	97.4%	25	94.4%	57	-3.2%	-32
Daviess	89.4%	88	76.8%	117	-14.1%	-29
Edmonson	99.3%	8	94.2%	58	-5.1%	-50
Elliott	93.9%	60	97.4%	22	3.7%	38
Estill	81.4%	113	85.0%	106	4.4%	7
Fayette	94.2%	57	94.6%	52	0.4%	5
Fleming	98.5%	14	97.7%	18	-0.8%	-4
Floyd	98.3%	16	95.8%	39	-2.5%	-23
Franklin	62.6%	120	85.2%	105	36.0%	15
Fulton	97.7%	21	100.0%	1	2.4%	20
Gallatin	86.4%	96	89.7%	87	3.8%	9
Garrard	88.6%	92	76.9%	116	-13.1%	-24

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	2 Varicella					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	92.3%	N/A	91.5%	N/A	-0.9%	N/A
Grant	94.7%	55	96.2%	36	1.6%	19
Graves	94.9%	51	95.3%	44	0.4%	7
Grayson	99.0%	10	97.4%	25	-1.7%	-15
Green	94.1%	58	94.6%	51	0.6%	7
Greenup	94.7%	53	92.9%	68	-1.9%	-15
Hancock	100.0%	1	91.5%	82	-8.5%	-81
Hardin	85.6%	99	85.3%	104	-0.3%	-5
Harlan	78.9%	115	83.3%	112	5.6%	3
Harrison	85.1%	104	88.4%	92	3.8%	12
Hart	96.8%	35	98.2%	12	1.5%	23
Henderson	97.4%	24	97.3%	27	-0.2%	-3
Henry	97.5%	23	95.8%	40	-1.8%	-17
Hickman	92.3%	69	100.0%	1	8.3%	68
Hopkins	97.2%	28	96.2%	37	-1.0%	-9
Jackson	97.4%	26	98.5%	9	1.1%	17
Jefferson	91.9%	72	90.5%	85	-1.5%	-13
Jessamine	91.6%	74	95.2%	47	3.9%	27
Johnson	83.1%	109	88.6%	91	6.6%	18
Kenton	95.8%	41	93.5%	65	-2.5%	-24
Knott	90.4%	82	95.3%	46	5.4%	36

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	2 Varicella					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	92.3%	N/A	91.5%	N/A	-0.9%	N/A
Knox	78.8%	116	77.8%	114	-1.2%	2
LaRue	85.4%	101	99.3%	5	16.3%	96
Laurel	84.2%	108	86.5%	96	2.8%	12
Lawrence	95.2%	47	79.2%	113	-16.8%	-66
Lee	91.9%	73	83.9%	110	-8.7%	-37
Leslie	93.9%	61	97.7%	16	4.0%	45
Letcher	96.3%	39	92.3%	74	-4.2%	-35
Lewis	96.3%	38	94.6%	53	-1.8%	-15
Lincoln	96.5%	37	94.5%	55	-2.0%	-18
Livingston	79.4%	114	85.6%	100	7.8%	14
Logan	82.6%	110	85.5%	101	3.5%	9
Lyon	93.2%	65	91.8%	77	-1.6%	-12
Madison	95.0%	48	92.4%	72	-2.7%	-24
Magoffin	85.5%	100	84.2%	108	-1.6%	-8
Marion	98.6%	13	96.1%	38	-2.6%	-25
Marshall	93.6%	62	91.6%	80	-2.2%	-18
Martin	99.4%	7	97.3%	26	-2.1%	-19
Mason	78.1%	118	74.8%	119	-4.2%	-1
McCracken	90.6%	81	89.1%	89	-1.7%	-8
McCreary	96.7%	36	95.0%	49	-1.7%	-13

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
 Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	2 Varicella					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	92.3%	N/A	91.5%	N/A	-0.9%	N/A
McLean	95.0%	49	75.0%	118	-21.0%	-69
Meade	99.4%	6	97.5%	20	-2.0%	-14
Menifee	100.0%	1	100.0%	1	0.0%	0
Mercer	99.6%	4	97.4%	24	-2.2%	-20
Metcalfe	85.2%	103	96.5%	32	13.3%	71
Monroe	92.8%	67	93.8%	60	1.1%	7
Montgomery	85.1%	105	83.5%	111	-1.9%	-6
Morgan	94.9%	50	98.6%	8	3.9%	42
Muhlenberg	89.6%	87	85.5%	102	-4.5%	-15
Nelson	81.9%	112	87.8%	94	7.2%	18
Nicholas	94.7%	54	97.7%	16	3.1%	38
Ohio	85.4%	102	77.0%	115	-9.8%	-13
Oldham	96.8%	34	96.7%	31	-0.1%	3
Owen	95.6%	43	95.4%	43	-0.1%	0
Owsley	95.4%	44	94.5%	54	-0.9%	-10
Pendleton	96.2%	40	97.1%	29	1.0%	11
Perry	94.0%	59	91.7%	79	-2.4%	-20
Pike	97.7%	20	96.5%	33	-1.3%	-13
Powell	86.4%	98	85.3%	103	-1.2%	-5
Pulaski	97.0%	31	89.3%	88	-7.9%	-57

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Kindergarten Results
Change in Percent of Coverage Rate and County Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

County	2 Varicella					
	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	92.3%	N/A	91.5%	N/A	-0.9%	N/A
Robertson	100.0%	1	94.4%	56	-5.6%	-55
Rockcastle	95.8%	42	98.3%	10	2.7%	32
Rowan	90.4%	83	92.1%	76	1.9%	7
Russell	98.2%	17	97.4%	23	-0.7%	-6
Scott	89.1%	90	92.8%	69	4.1%	21
Shelby	90.9%	79	92.1%	75	1.4%	4
Simpson	97.7%	22	99.5%	4	1.9%	18
Spencer	98.5%	15	97.9%	14	-0.6%	1
Taylor	96.9%	32	97.5%	21	0.5%	11
Todd	71.1%	119	93.8%	61	31.8%	58
Trigg	91.5%	75	97.9%	13	7.0%	62
Trimble	84.7%	107	91.6%	81	8.2%	26
Union	99.5%	5	94.1%	59	-5.4%	-54
Warren	94.8%	52	93.5%	64	-1.4%	-12
Washington	92.2%	71	92.7%	70	0.5%	1
Wayne	99.1%	9	98.3%	11	-0.9%	-2
Webster	86.4%	97	88.1%	93	1.9%	4
Whitley	95.3%	45	92.6%	71	-2.7%	-26
Wolfe	92.8%	68	97.9%	15	5.5%	53
Woodford	94.4%	56	97.2%	28	3.0%	28

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

1 Tdap						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	84.5%	N/A	82.9%	N/A	-1.9%	N/A
Adair	93.1%	46	96.2%	24	3.3%	22
Allen	97.1%	21	93.9%	38	-3.3%	-17
Anderson	96.6%	28	89.5%	57	-7.4%	-29
Ballard	98.1%	13	100.0%	1	1.9%	12
Barren	82.2%	76	94.7%	32	15.2%	44
Bath	58.9%	110	58.9%	108	0.0%	2
Bell	30.0%	119	27.1%	120	-9.7%	-1
Boone	95.8%	34	91.0%	48	-5.0%	-14
Bourbon	83.7%	71	65.4%	105	-21.8%	-34
Boyd	78.1%	85	75.4%	91	-3.5%	-6
Boyle	97.0%	22	85.4%	75	-12.0%	-53
Bracken	85.6%	66	89.4%	59	4.5%	7
Breathitt	68.0%	103	80.5%	82	18.3%	21
Breckinridge	95.4%	37	88.8%	62	-6.9%	-25
Bullitt	79.0%	83	74.0%	95	-6.3%	-12
Butler	59.7%	108	70.8%	99	18.4%	9
Caldwell	94.1%	43	80.1%	83	-14.8%	-40
Calloway	94.2%	42	95.8%	26	1.7%	16
Campbell	94.6%	41	93.2%	43	-1.6%	-2
Carlisle	94.8%	39	87.3%	68	-8.0%	-29

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

1 Tdap						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	84.5%	N/A	82.9%	N/A	-1.9%	N/A
Carroll	69.8%	97	90.4%	51	29.6%	46
Carter	98.8%	7	99.1%	9	0.3%	-2
Casey	95.1%	38	79.4%	85	-16.5%	-47
Christian	74.9%	91	56.2%	109	-25.0%	-18
Clark	62.2%	106	51.3%	114	-17.5%	-8
Clay	78.8%	84	92.7%	46	17.6%	38
Clinton	96.1%	32	94.1%	36	-2.1%	-4
Crittenden	93.4%	45	90.4%	52	-3.2%	-7
Cumberland	61.8%	107	52.3%	113	-15.4%	-6
Daviess	93.0%	47	88.8%	63	-4.6%	-16
Edmonson	74.8%	92	68.4%	101	-8.5%	-9
Elliott	92.9%	48	87.3%	67	-6.0%	-19
Estill	77.8%	88	74.1%	94	-4.9%	-6
Fayette	74.0%	95	78.8%	86	6.5%	9
Fleming	99.0%	4	98.9%	10	-0.1%	-6
Floyd	96.5%	30	90.5%	50	-6.2%	-20
Franklin	56.2%	112	52.3%	112	-6.9%	0
Fulton	98.8%	8	95.5%	29	-3.3%	-21
Gallatin	96.0%	33	86.8%	69	-9.5%	-36
Garrard	81.2%	79	96.7%	23	19.0%	56

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

1 Tdap						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	84.5%	N/A	82.9%	N/A	-1.9%	N/A
Grant	77.6%	89	88.8%	64	14.5%	25
Graves	84.7%	68	93.4%	41	10.2%	27
Grayson	96.6%	29	89.9%	54	-7.0%	-25
Green	96.7%	25	89.9%	53	-7.0%	-28
Greenup	84.0%	70	85.1%	76	1.4%	-6
Hancock	96.8%	24	97.1%	18	0.4%	6
Hardin	87.8%	64	85.5%	74	-2.5%	-10
Harlan	65.6%	104	87.3%	66	33.1%	38
Harrison	83.4%	72	71.2%	98	-14.7%	-26
Hart	98.0%	14	94.3%	34	-3.8%	-20
Henderson	90.2%	58	86.2%	73	-4.4%	-15
Henry	97.1%	19	95.7%	28	-1.5%	-9
Hickman	90.9%	54	100.0%	1	10.0%	53
Hopkins	90.4%	56	89.1%	61	-1.5%	-5
Jackson	97.0%	23	99.3%	6	2.4%	17
Jefferson	88.8%	61	82.9%	77	-6.7%	-16
Jessamine	92.5%	51	96.9%	20	4.8%	31
Johnson	81.1%	80	75.2%	92	-7.4%	-12
Kenton	94.0%	44	89.5%	58	-4.8%	-14
Knott	77.4%	90	74.4%	93	-3.9%	-3

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

1 Tdap						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	84.5%	N/A	82.9%	N/A	-1.9%	N/A
Knox	62.7%	105	54.5%	111	-13.0%	-6
LaRue	74.7%	93	97.4%	16	30.4%	77
Laurel	48.8%	116	67.9%	104	39.2%	12
Lawrence	88.8%	60	82.1%	79	-7.5%	-19
Lee	59.6%	109	45.8%	118	-23.0%	-9
Leslie	69.3%	100	93.4%	42	34.8%	58
Letcher	92.5%	50	95.7%	27	3.5%	23
Lewis	97.2%	18	89.6%	55	-7.8%	-37
Lincoln	88.4%	63	76.1%	90	-13.8%	-27
Livingston	56.5%	111	60.0%	107	6.3%	4
Logan	82.0%	77	77.7%	87	-5.2%	-10
Lyon	81.5%	78	86.6%	70	6.2%	8
Madison	89.7%	59	93.8%	40	4.5%	19
Magoffin	50.6%	115	42.3%	119	-16.5%	-4
Marion	85.3%	67	97.7%	15	14.6%	52
Marshall	95.6%	35	95.3%	30	-0.3%	5
Martin	97.5%	17	93.9%	39	-3.7%	-22
Mason	47.0%	117	82.7%	78	75.9%	39
McCracken	91.5%	53	77.1%	88	-15.8%	-35
McCreary	96.2%	31	97.3%	17	1.2%	14

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

1 Tdap						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	84.5%	N/A	82.9%	N/A	-1.9%	N/A
McLean	96.6%	26	99.2%	7	2.7%	19
Meade	97.8%	15	96.8%	21	-1.0%	-6
Menifee	84.3%	69	100.0%	1	18.7%	68
Mercer	98.4%	11	94.7%	33	-3.8%	-22
Metcalfe	82.6%	75	80.8%	81	-2.1%	-6
Monroe	83.3%	73	86.6%	70	3.9%	3
Montgomery	98.6%	9	76.8%	89	-22.1%	-80
Morgan	92.4%	52	91.1%	47	-1.4%	5
Muhlenberg	86.9%	65	92.8%	45	6.8%	20
Nelson	73.1%	96	73.5%	96	0.4%	0
Nicholas	98.8%	6	94.0%	37	-4.9%	-31
Ohio	68.3%	102	63.6%	106	-6.9%	-4
Oldham	95.5%	36	98.4%	11	3.1%	25
Owen	97.6%	16	98.1%	14	0.5%	2
Owsley	11.1%	120	54.9%	110	394.1%	10
Pendleton	98.9%	5	95.9%	25	-3.0%	-20
Perry	90.8%	55	89.3%	60	-1.6%	-5
Pike	80.4%	81	89.5%	56	11.4%	25
Powell	37.6%	118	51.3%	115	36.2%	3
Pulaski	88.8%	62	93.0%	44	4.8%	18

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

1 Tdap						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	84.5%	N/A	82.9%	N/A	-1.9%	N/A
Robertson	92.6%	49	100.0%	1	8.0%	48
Rockcastle	98.6%	10	98.2%	12	-0.3%	-2
Rowan	54.1%	113	49.2%	116	-9.1%	-3
Russell	98.1%	12	97.1%	19	-1.0%	-7
Scott	68.6%	101	71.8%	97	4.7%	4
Shelby	78.0%	87	68.2%	102	-12.5%	-15
Simpson	90.3%	57	96.7%	22	7.1%	35
Spencer	100.0%	1	100.0%	1	0.0%	0
Taylor	80.3%	82	86.3%	72	7.5%	10
Todd	69.3%	99	81.3%	80	17.3%	19
Trigg	94.7%	40	94.2%	35	-0.5%	5
Trimble	99.0%	3	90.7%	49	-8.4%	-46
Union	97.1%	20	95.2%	31	-1.9%	-11
Warren	78.1%	86	69.4%	100	-11.2%	-14
Washington	83.3%	73	88.2%	65	5.8%	8
Wayne	100.0%	1	99.2%	8	-0.8%	-7
Webster	69.7%	98	47.6%	117	-31.7%	-19
Whitley	74.3%	94	68.1%	103	-8.3%	-9
Wolfe	52.7%	114	80.0%	84	51.7%	30
Woodford	96.6%	26	98.1%	13	1.6%	13

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

1 MCV						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	83.1%	N/A	82.0%	N/A	-1.3%	N/A
Adair	89.4%	53	96.8%	20	8.2%	33
Allen	89.5%	52	92.4%	41	3.2%	11
Anderson	88.2%	58	86.1%	68	-2.3%	-10
Ballard	97.1%	18	100.0%	1	2.9%	17
Barren	82.0%	72	94.4%	33	15.0%	39
Bath	58.9%	107	56.6%	109	-3.9%	-2
Bell	28.4%	119	26.5%	120	-6.6%	-1
Boone	95.1%	32	91.4%	46	-3.9%	-14
Bourbon	83.3%	67	63.9%	103	-23.2%	-36
Boyd	77.4%	82	75.6%	88	-2.4%	-6
Boyle	76.4%	87	85.1%	72	11.4%	15
Bracken	82.4%	71	88.6%	59	7.5%	12
Breathitt	64.4%	101	79.5%	79	23.4%	22
Breckinridge	94.6%	34	88.8%	57	-6.1%	-23
Bullitt	77.5%	81	73.0%	91	-5.8%	-10
Butler	57.9%	108	67.8%	98	17.2%	10
Caldwell	92.1%	45	76.5%	85	-17.0%	-40
Calloway	94.0%	37	96.5%	22	2.7%	15
Campbell	94.2%	35	93.4%	38	-0.9%	-3
Carlisle	94.8%	33	85.5%	70	-9.9%	-37

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

1 MCV						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	83.1%	N/A	82.0%	N/A	-1.3%	N/A
Carroll	69.8%	98	89.0%	56	27.5%	42
Carter	98.5%	9	97.9%	15	-0.6%	-6
Casey	93.9%	38	76.4%	86	-18.7%	-48
Christian	72.8%	95	53.5%	112	-26.5%	-17
Clark	62.4%	104	49.3%	116	-20.9%	-12
Clay	76.4%	86	93.5%	36	22.3%	50
Clinton	95.3%	31	91.5%	45	-3.9%	-14
Crittenden	96.2%	24	89.4%	53	-7.1%	-29
Cumberland	56.6%	110	47.7%	117	-15.7%	-7
Daviess	92.2%	44	87.9%	61	-4.6%	-17
Edmonson	74.1%	92	65.1%	102	-12.1%	-10
Elliott	91.7%	46	87.3%	63	-4.8%	-17
Estill	76.7%	85	73.0%	92	-4.9%	-7
Fayette	72.1%	96	77.8%	81	7.8%	15
Fleming	98.0%	11	98.9%	7	0.9%	4
Floyd	96.9%	19	89.4%	52	-7.7%	-33
Franklin	54.7%	112	51.2%	114	-6.4%	-2
Fulton	98.8%	7	97.0%	19	-1.8%	-12
Gallatin	96.0%	27	86.8%	64	-9.5%	-37
Garrard	79.8%	79	63.3%	105	-20.6%	-26

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

1 MCV						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	83.1%	N/A	82.0%	N/A	-1.3%	N/A
Grant	75.5%	89	89.1%	55	18.0%	34
Graves	83.9%	64	92.9%	40	10.8%	24
Grayson	96.0%	26	91.6%	44	-4.5%	-18
Green	95.9%	28	86.8%	64	-9.5%	-36
Greenup	82.8%	70	84.7%	73	2.4%	-3
Hancock	97.6%	14	96.4%	24	-1.2%	-10
Hardin	83.3%	68	85.5%	71	2.6%	-3
Harlan	63.8%	102	65.5%	100	2.7%	2
Harrison	83.8%	65	71.2%	96	-15.1%	-31
Hart	96.6%	21	93.0%	39	-3.8%	-18
Henderson	92.7%	43	87.4%	62	-5.7%	-19
Henry	97.5%	15	96.6%	21	-1.0%	-6
Hickman	90.9%	48	100.0%	1	10.0%	47
Hopkins	90.4%	50	88.1%	60	-2.6%	-10
Jackson	96.3%	22	98.6%	9	2.4%	13
Jefferson	88.0%	59	82.0%	75	-6.9%	-16
Jessamine	93.0%	40	96.2%	25	3.4%	15
Johnson	81.4%	74	75.2%	90	-7.7%	-16
Kenton	93.0%	39	89.3%	54	-4.0%	-15
Knott	75.8%	88	72.2%	93	-4.8%	-5

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

1 MCV						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	83.1%	N/A	82.0%	N/A	-1.3%	N/A
Knox	62.4%	103	54.3%	110	-13.0%	-7
LaRue	74.7%	91	98.7%	8	32.2%	83
Laurel	48.7%	116	67.3%	99	38.2%	17
Lawrence	88.8%	55	80.7%	76	-9.1%	-21
Lee	57.3%	109	45.8%	118	-20.0%	-9
Leslie	62.0%	105	93.4%	37	50.5%	68
Letcher	88.2%	57	96.5%	23	9.3%	34
Lewis	97.2%	17	91.3%	47	-6.1%	-30
Lincoln	88.0%	60	75.8%	87	-13.9%	-27
Livingston	55.3%	111	58.8%	107	6.3%	4
Logan	80.7%	75	77.1%	83	-4.4%	-8
Lyon	76.9%	83	77.6%	82	0.9%	1
Madison	89.3%	54	93.7%	35	4.9%	19
Magoffin	49.4%	115	42.3%	119	-14.3%	-4
Marion	87.6%	61	97.7%	16	11.5%	45
Marshall	95.4%	30	95.1%	30	-0.3%	0
Martin	97.5%	16	90.5%	50	-7.2%	-34
Mason	45.5%	117	82.7%	74	81.7%	43
McCracken	91.1%	47	75.4%	89	-17.2%	-42
McCreary	90.0%	51	97.3%	17	8.2%	34

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

1 MCV						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	83.1%	N/A	82.0%	N/A	-1.3%	N/A
McLean	96.6%	20	99.2%	5	2.7%	15
Meade	97.8%	12	97.1%	18	-0.8%	-6
Menifee	83.1%	69	98.4%	11	18.4%	58
Mercer	99.6%	4	95.1%	31	-4.5%	-27
Metcalfe	80.0%	78	80.0%	78	0.0%	0
Monroe	83.3%	66	85.8%	69	3.0%	-3
Montgomery	81.5%	73	76.5%	84	-6.1%	-11
Morgan	93.0%	41	91.1%	48	-2.0%	-7
Muhlenberg	85.8%	63	93.9%	34	9.4%	29
Nelson	73.1%	94	71.4%	95	-2.4%	-1
Nicholas	94.0%	36	95.2%	29	1.2%	7
Ohio	67.3%	100	61.7%	106	-8.2%	-6
Oldham	95.4%	29	98.4%	10	3.2%	19
Owen	97.6%	13	98.1%	14	0.5%	-1
Owsley	11.1%	120	56.9%	108	411.8%	12
Pendleton	99.4%	6	95.9%	26	-3.5%	-20
Perry	90.5%	49	89.9%	51	-0.6%	-2
Pike	80.4%	76	88.6%	58	10.2%	18
Powell	37.6%	118	51.3%	113	36.2%	5
Pulaski	88.4%	56	92.1%	43	4.2%	13

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

1 MCV						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	83.1%	N/A	82.0%	N/A	-1.3%	N/A
Robertson	96.3%	23	100.0%	1	3.8%	22
Rockcastle	99.5%	5	98.2%	12	-1.3%	-7
Rowan	52.8%	113	49.6%	115	-6.2%	-2
Russell	98.1%	10	95.7%	27	-2.5%	-17
Scott	59.1%	106	71.7%	94	21.2%	12
Shelby	76.7%	84	65.3%	101	-14.9%	-17
Simpson	86.8%	62	94.8%	32	9.2%	30
Spencer	100.0%	1	100.0%	1	0.0%	0
Taylor	80.3%	77	86.3%	67	7.5%	10
Todd	68.0%	99	80.6%	77	18.6%	22
Trigg	92.8%	42	92.3%	42	-0.5%	0
Trimble	100.0%	1	90.7%	49	-9.3%	-48
Union	98.5%	8	95.2%	28	-3.4%	-20
Warren	73.9%	93	63.6%	104	-14.0%	-11
Washington	79.5%	80	86.8%	66	9.2%	14
Wayne	100.0%	1	99.2%	6	-0.8%	-5
Webster	70.3%	97	54.2%	111	-22.9%	-14
Whitley	75.2%	90	68.5%	97	-9.0%	-7
Wolfe	52.7%	114	78.9%	80	49.7%	34
Woodford	96.1%	25	98.1%	13	2.1%	12

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

3+ HepB						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	99.5%	N/A	97.8%	N/A	-1.7%	N/A
Adair	98.2%	71	99.5%	28	1.3%	43
Allen	97.5%	81	99.5%	27	2.1%	54
Anderson	96.6%	92	98.5%	65	1.9%	27
Ballard	100.0%	1	100.0%	1	0.0%	0
Barren	90.9%	116	94.9%	113	4.4%	3
Bath	98.1%	73	96.0%	106	-2.1%	-33
Bell	91.8%	114	96.6%	96	5.2%	18
Boone	98.7%	51	97.4%	88	-1.3%	-37
Bourbon	98.3%	65	100.0%	1	1.7%	64
Boyd	97.2%	88	96.4%	101	-0.8%	-13
Boyle	95.4%	106	98.3%	70	3.1%	36
Bracken	97.6%	78	98.4%	69	0.8%	9
Breathitt	97.4%	85	97.4%	87	0.0%	-2
Breckinridge	99.2%	29	98.9%	47	-0.3%	-18
Bullitt	98.4%	57	98.3%	71	-0.1%	-14
Butler	97.5%	82	97.7%	83	0.2%	-1
Caldwell	98.7%	52	99.3%	35	0.6%	17
Calloway	96.1%	102	98.4%	68	2.4%	34
Campbell	98.9%	42	98.4%	67	-0.5%	-25
Carlisle	96.6%	93	98.2%	74	1.7%	19

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

3+ HepB						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	99.5%	N/A	97.8%	N/A	-1.7%	N/A
Carroll	95.7%	104	99.3%	35	3.7%	69
Carter	99.7%	20	99.1%	42	-0.6%	-22
Casey	98.8%	47	95.8%	107	-3.1%	-60
Christian	99.1%	36	97.1%	89	-2.0%	-53
Clark	97.5%	80	95.6%	109	-1.9%	-29
Clay	96.5%	94	98.2%	74	1.7%	20
Clinton	100.0%	1	100.0%	1	0.0%	0
Crittenden	99.1%	38	99.0%	45	0.0%	-7
Cumberland	98.7%	52	98.5%	64	-0.2%	-12
Daviess	99.0%	39	98.5%	62	-0.5%	-23
Edmonson	98.5%	55	99.3%	33	0.8%	22
Elliott	100.0%	1	100.0%	1	0.0%	0
Estill	97.7%	75	98.9%	48	1.2%	27
Fayette	97.2%	89	98.6%	61	1.4%	28
Fleming	100.0%	1	100.0%	1	0.0%	0
Floyd	99.8%	19	99.6%	23	-0.2%	-4
Franklin	91.7%	115	87.0%	119	-5.1%	-4
Fulton	100.0%	1	97.0%	90	-3.0%	-89
Gallatin	98.4%	62	98.4%	66	0.1%	-4
Garrard	99.5%	22	95.6%	110	-4.0%	-88

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

3+ HepB						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	99.5%	N/A	97.8%	N/A	-1.7%	N/A
Grant	96.2%	100	99.1%	40	3.1%	60
Graves	93.2%	112	95.8%	108	2.7%	4
Grayson	99.4%	26	99.7%	20	0.3%	6
Green	97.5%	79	100.0%	1	2.5%	78
Greenup	98.8%	46	99.2%	39	0.4%	7
Hancock	99.2%	33	100.0%	1	0.8%	32
Hardin	99.5%	24	94.4%	115	-5.1%	-91
Harlan	94.7%	108	86.1%	120	-9.1%	-12
Harrison	96.2%	99	96.8%	93	0.7%	6
Hart	98.0%	74	97.8%	81	-0.2%	-7
Henderson	99.5%	25	99.5%	25	0.0%	0
Henry	99.6%	21	99.1%	40	-0.5%	-19
Hickman	100.0%	1	100.0%	1	0.0%	0
Hopkins	96.9%	91	99.5%	26	2.7%	65
Jackson	98.8%	47	99.3%	34	0.5%	13
Jefferson	98.4%	63	97.9%	80	-0.4%	-17
Jessamine	93.2%	113	99.0%	46	6.2%	67
Johnson	98.1%	72	95.1%	112	-3.1%	-40
Kenton	99.3%	27	98.8%	52	-0.6%	-25
Knott	96.2%	98	99.4%	29	3.3%	69

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

3+ HepB						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	99.5%	N/A	97.8%	N/A	-1.7%	N/A
Knox	95.7%	103	96.8%	95	1.1%	8
LaRue	98.2%	70	99.4%	32	1.2%	38
Laurel	73.9%	120	97.5%	85	31.9%	35
Lawrence	98.4%	61	98.1%	78	-0.3%	-17
Lee	94.4%	109	89.6%	118	-5.1%	-9
Leslie	98.8%	45	97.5%	84	-1.3%	-39
Letcher	99.2%	31	98.6%	60	-0.6%	-29
Lewis	100.0%	1	100.0%	1	0.0%	0
Lincoln	99.3%	28	99.6%	21	0.4%	7
Livingston	94.1%	110	96.3%	103	2.3%	7
Logan	98.4%	58	96.5%	98	-2.0%	-40
Lyon	98.5%	56	98.5%	63	0.0%	-7
Madison	98.4%	60	98.7%	53	0.3%	7
Magoffin	98.7%	50	96.8%	94	-1.9%	-44
Marion	97.6%	77	97.7%	82	0.1%	-5
Marshall	98.2%	69	98.3%	73	0.1%	-4
Martin	98.7%	49	98.6%	58	-0.1%	-9
Mason	97.0%	90	96.5%	99	-0.6%	-9
McCracken	98.9%	41	98.7%	54	-0.2%	-13
McCreary	100.0%	1	99.6%	24	-0.4%	-23

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

3+ HepB						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	99.5%	N/A	97.8%	N/A	-1.7%	N/A
McLean	97.5%	83	99.2%	37	1.8%	46
Meade	100.0%	1	98.7%	56	-1.3%	-55
Menifee	100.0%	1	100.0%	1	0.0%	0
Mercer	99.2%	32	98.9%	49	-0.3%	-17
Metcalfe	98.3%	66	100.0%	1	1.8%	65
Monroe	100.0%	1	97.0%	90	-3.0%	-89
Montgomery	96.3%	96	98.9%	50	2.6%	46
Morgan	100.0%	1	97.9%	79	-2.1%	-78
Muhlenberg	98.9%	44	99.2%	38	0.3%	6
Nelson	93.4%	111	93.1%	116	-0.2%	-5
Nicholas	96.4%	95	100.0%	1	3.7%	94
Ohio	94.7%	107	96.2%	105	1.6%	2
Oldham	98.5%	54	99.1%	43	0.6%	11
Owen	97.6%	76	100.0%	1	2.4%	75
Owsley	90.7%	117	92.2%	117	1.6%	0
Pendleton	100.0%	1	99.4%	30	-0.6%	-29
Perry	99.2%	30	95.4%	111	-3.8%	-81
Pike	99.1%	37	99.4%	31	0.3%	6
Powell	98.2%	67	97.5%	86	-0.8%	-19
Pulaski	98.3%	64	98.7%	57	0.4%	7

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

3+ HepB						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	99.5%	N/A	97.8%	N/A	-1.7%	N/A
Robertson	96.3%	97	100.0%	1	3.8%	96
Rockcastle	100.0%	1	100.0%	1	0.0%	0
Rowan	99.2%	34	96.3%	103	-3.0%	-69
Russell	99.5%	22	98.1%	77	-1.5%	-55
Scott	89.6%	119	96.3%	102	7.4%	17
Shelby	96.1%	101	98.6%	59	2.6%	42
Simpson	97.4%	87	100.0%	1	2.7%	86
Spencer	100.0%	1	100.0%	1	0.0%	0
Taylor	98.4%	59	98.3%	72	-0.1%	-13
Todd	95.4%	105	98.7%	55	3.4%	50
Trigg	100.0%	1	100.0%	1	0.0%	0
Trimble	100.0%	1	98.1%	76	-1.9%	-75
Union	99.0%	40	98.8%	51	-0.2%	-11
Warren	97.4%	86	96.9%	92	-0.5%	-6
Washington	97.4%	84	96.5%	97	-0.9%	-13
Wayne	100.0%	1	99.6%	22	-0.4%	-21
Webster	89.7%	118	94.6%	114	5.5%	4
Whitley	98.2%	68	96.5%	100	-1.8%	-32
Wolfe	98.9%	43	100.0%	1	1.1%	42
Woodford	99.2%	35	99.1%	44	-0.1%	-9

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

2 MMR						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	97.7%	N/A	97.8%	N/A	0.1%	N/A
Adair	97.2%	79	98.4%	66	1.2%	13
Allen	98.3%	60	98.5%	60	0.2%	0
Anderson	96.6%	90	98.1%	75	1.6%	15
Ballard	100.0%	1	100.0%	1	0.0%	0
Barren	91.1%	118	98.9%	41	8.5%	77
Bath	98.1%	65	95.4%	111	-2.7%	-46
Bell	91.3%	117	96.1%	104	5.2%	13
Boone	98.5%	48	97.4%	88	-1.2%	-40
Bourbon	99.6%	20	97.0%	93	-2.6%	-73
Boyd	96.9%	87	95.6%	108	-1.3%	-21
Boyle	98.1%	66	97.8%	80	-0.3%	-14
Bracken	90.4%	120	95.9%	106	6.1%	14
Breathitt	93.8%	113	97.4%	86	3.9%	27
Breckinridge	97.7%	72	98.2%	73	0.5%	-1
Bullitt	98.4%	52	98.2%	72	-0.2%	-20
Butler	96.9%	86	98.2%	70	1.4%	16
Caldwell	98.7%	45	98.5%	54	-0.2%	-9
Calloway	96.1%	97	98.4%	65	2.4%	32
Campbell	98.7%	44	98.5%	56	-0.2%	-12
Carlisle	96.6%	92	98.2%	74	1.7%	18

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

2 MMR						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	97.7%	N/A	97.8%	N/A	0.1%	N/A
Carroll	94.2%	110	99.3%	33	5.3%	77
Carter	99.4%	26	99.4%	25	0.0%	1
Casey	98.8%	39	97.0%	95	-1.8%	-56
Christian	98.1%	68	97.3%	89	-0.8%	-21
Clark	94.1%	111	96.3%	103	2.3%	8
Clay	96.9%	85	97.8%	78	1.0%	7
Clinton	100.0%	1	99.2%	37	-0.8%	-36
Crittenden	100.0%	1	99.0%	40	-1.0%	-39
Cumberland	100.0%	1	100.0%	1	0.0%	0
Daviess	99.0%	35	98.5%	61	-0.5%	-26
Edmonson	98.5%	49	99.3%	29	0.8%	20
Elliott	100.0%	1	100.0%	1	0.0%	0
Estill	96.0%	98	98.4%	66	2.5%	32
Fayette	97.2%	80	98.4%	64	1.2%	16
Fleming	100.0%	1	100.0%	1	0.0%	0
Floyd	99.6%	21	99.4%	28	-0.2%	-7
Franklin	91.8%	116	86.8%	120	-5.5%	-4
Fulton	100.0%	1	97.0%	92	-3.0%	-91
Gallatin	98.4%	55	98.4%	62	0.1%	-7
Garrard	97.2%	81	95.6%	108	-1.7%	-27

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

2 MMR						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	97.7%	N/A	97.8%	N/A	0.1%	N/A
Grant	96.8%	89	98.9%	42	2.2%	47
Graves	93.0%	114	95.5%	110	2.7%	4
Grayson	99.4%	27	99.7%	17	0.3%	10
Green	95.9%	100	98.4%	62	2.7%	38
Greenup	98.4%	56	98.3%	68	0.0%	-12
Hancock	98.4%	53	100.0%	1	1.6%	52
Hardin	98.8%	41	96.6%	100	-2.2%	-59
Harlan	93.9%	112	87.0%	119	-7.3%	-7
Harrison	95.7%	101	96.4%	101	0.7%	0
Hart	100.0%	1	98.2%	71	-1.8%	-70
Henderson	99.3%	30	98.9%	42	-0.4%	-12
Henry	99.2%	32	99.1%	38	0.0%	-6
Hickman	100.0%	1	100.0%	1	0.0%	0
Hopkins	96.6%	91	99.3%	30	2.9%	61
Jackson	98.8%	39	99.3%	31	0.5%	8
Jefferson	98.2%	63	97.7%	81	-0.5%	-18
Jessamine	96.0%	99	98.8%	46	2.9%	53
Johnson	98.7%	42	93.9%	114	-4.9%	-72
Kenton	99.3%	31	98.6%	53	-0.7%	-22
Knott	95.2%	105	99.4%	24	4.5%	81

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

2 MMR						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	97.7%	N/A	97.8%	N/A	0.1%	N/A
Knox	95.2%	104	95.6%	107	0.4%	-3
LaRue	98.2%	64	98.7%	47	0.5%	17
Laurel	94.9%	107	95.4%	112	0.6%	-5
Lawrence	98.4%	54	98.1%	77	-0.3%	-23
Lee	94.4%	109	91.7%	117	-2.9%	-8
Leslie	98.8%	38	98.3%	68	-0.5%	-30
Letcher	98.0%	70	98.6%	52	0.6%	18
Lewis	100.0%	1	99.5%	23	-0.5%	-22
Lincoln	99.3%	29	99.6%	18	0.4%	11
Livingston	95.3%	103	97.5%	85	2.3%	18
Logan	98.7%	43	99.1%	39	0.4%	4
Lyon	98.5%	51	98.5%	57	0.0%	-6
Madison	98.5%	50	98.1%	76	-0.4%	-26
Magoffin	98.1%	67	97.4%	86	-0.7%	-19
Marion	97.6%	74	97.0%	94	-0.6%	-20
Marshall	97.4%	77	98.5%	54	1.1%	23
Martin	100.0%	1	98.6%	49	-1.4%	-48
Mason	97.0%	82	96.0%	105	-1.0%	-23
McCracken	98.7%	47	97.8%	79	-0.9%	-32
McCreary	99.5%	24	98.7%	48	-0.9%	-24

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

2 MMR						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	97.7%	N/A	97.8%	N/A	0.1%	N/A
McLean	97.5%	76	99.2%	34	1.8%	42
Meade	100.0%	1	99.5%	22	-0.5%	-21
Menifee	100.0%	1	100.0%	1	0.0%	0
Mercer	100.0%	1	98.5%	59	-1.5%	-58
Metcalfe	97.4%	78	100.0%	1	2.7%	77
Monroe	100.0%	1	98.5%	57	-1.5%	-56
Montgomery	98.3%	61	97.7%	82	-0.6%	-21
Morgan	99.4%	28	93.8%	115	-5.6%	-87
Muhlenberg	98.3%	59	99.2%	35	0.9%	24
Nelson	96.4%	93	97.5%	84	1.1%	9
Nicholas	96.4%	94	100.0%	1	3.7%	93
Ohio	95.1%	106	96.8%	97	1.9%	9
Oldham	98.3%	58	99.2%	36	0.8%	22
Owen	97.6%	73	100.0%	1	2.4%	72
Owsley	92.6%	115	88.2%	118	-4.7%	-3
Pendleton	98.9%	36	98.8%	44	0.0%	-8
Perry	99.0%	34	97.3%	90	-1.7%	-56
Pike	98.8%	37	99.5%	21	0.7%	16
Powell	98.2%	62	97.0%	96	-1.3%	-34
Pulaski	98.7%	45	99.3%	32	0.6%	13

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

2 MMR						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	97.7%	N/A	97.8%	N/A	0.1%	N/A
Robertson	96.3%	95	100.0%	1	3.8%	94
Rockcastle	100.0%	1	100.0%	1	0.0%	0
Rowan	98.4%	57	92.9%	116	-5.5%	-59
Russell	99.5%	23	99.5%	20	0.0%	3
Scott	94.7%	108	96.8%	98	2.3%	10
Shelby	97.0%	83	98.6%	51	1.7%	32
Simpson	96.9%	84	100.0%	1	3.2%	83
Spencer	99.6%	22	100.0%	1	0.4%	21
Taylor	96.8%	88	98.6%	50	1.9%	38
Todd	95.4%	102	100.0%	1	4.8%	101
Trigg	100.0%	1	99.4%	27	-0.6%	-26
Trimble	100.0%	1	96.3%	102	-3.7%	-101
Union	99.0%	33	98.8%	45	-0.2%	-12
Warren	97.6%	75	97.6%	83	0.0%	-8
Washington	96.2%	96	97.2%	91	1.1%	5
Wayne	100.0%	1	99.6%	19	-0.4%	-18
Webster	90.9%	119	95.2%	113	4.8%	6
Whitley	98.0%	69	96.6%	99	-1.4%	-30
Wolfe	97.8%	71	100.0%	1	2.2%	70
Woodford	99.4%	25	99.4%	26	-0.1%	-1

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

2 Varicella						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	88.8%	N/A	98.0%	N/A	10.4%	N/A
Adair	91.3%	61	98.4%	73	7.8%	-12
Allen	94.1%	45	99.5%	37	5.7%	8
Anderson	92.6%	55	98.8%	58	6.7%	-3
Ballard	97.1%	25	100.0%	1	2.9%	24
Barren	88.6%	68	94.9%	111	7.1%	-43
Bath	98.1%	16	96.0%	105	-2.1%	-89
Bell	46.6%	119	96.4%	103	106.9%	16
Boone	96.3%	30	98.6%	62	2.4%	-32
Bourbon	85.0%	84	100.0%	1	17.7%	83
Boyd	79.9%	95	95.6%	107	19.6%	-12
Boyle	82.1%	91	98.1%	80	19.5%	11
Bracken	88.0%	71	98.4%	75	11.8%	-4
Breathitt	73.7%	101	96.9%	95	31.5%	6
Breckinridge	95.4%	39	98.9%	53	3.7%	-14
Bullitt	88.0%	70	98.4%	71	11.8%	-1
Butler	70.4%	106	98.8%	55	40.3%	51
Caldwell	86.2%	79	98.5%	66	14.3%	13
Calloway	95.0%	40	98.4%	72	3.5%	-32
Campbell	96.1%	34	99.4%	41	3.4%	-7
Carlisle	89.7%	65	98.2%	77	9.5%	-12

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

2 Varicella						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	88.8%	N/A	98.0%	N/A	10.4%	N/A
Carroll	75.5%	100	99.3%	45	31.4%	55
Carter	98.8%	11	99.7%	32	0.9%	-21
Casey	97.0%	27	97.0%	94	0.0%	-67
Christian	86.6%	77	97.3%	90	12.3%	-13
Clark	73.4%	102	96.7%	99	31.7%	3
Clay	85.1%	83	98.2%	77	15.4%	6
Clinton	100.0%	1	100.0%	1	0.0%	0
Crittenden	96.2%	32	99.0%	48	2.9%	-16
Cumberland	100.0%	1	100.0%	1	0.0%	0
Daviess	93.3%	50	99.0%	51	6.0%	-1
Edmonson	84.4%	87	99.3%	44	17.6%	43
Elliott	92.9%	51	100.0%	1	7.7%	50
Estill	84.7%	86	98.4%	73	16.2%	13
Fayette	86.8%	74	98.8%	56	13.9%	18
Fleming	97.0%	26	100.0%	1	3.1%	25
Floyd	98.5%	13	99.6%	34	1.1%	-21
Franklin	67.5%	110	87.4%	119	29.6%	-9
Fulton	100.0%	1	97.0%	93	-3.0%	-92
Gallatin	96.0%	37	98.4%	70	2.6%	-33
Garrard	84.0%	88	95.6%	107	13.7%	-19

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

2 Varicella						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	88.8%	N/A	98.0%	N/A	10.4%	N/A
Grant	86.7%	75	99.4%	39	14.6%	36
Graves	87.4%	72	96.0%	106	9.9%	-34
Grayson	98.1%	14	100.0%	1	1.9%	13
Green	97.5%	20	100.0%	1	2.5%	19
Greenup	83.8%	89	98.6%	65	17.6%	24
Hancock	96.0%	36	100.0%	1	4.2%	35
Hardin	91.5%	59	94.7%	112	3.5%	-53
Harlan	67.2%	111	86.1%	120	28.2%	-9
Harrison	82.1%	90	97.3%	89	18.5%	1
Hart	93.9%	46	97.8%	83	4.1%	-37
Henderson	93.4%	49	99.5%	36	6.6%	13
Henry	98.0%	17	100.0%	1	2.1%	16
Hickman	90.9%	62	100.0%	1	10.0%	61
Hopkins	94.4%	43	99.8%	30	5.7%	13
Jackson	97.6%	19	100.0%	1	2.5%	18
Jefferson	94.3%	44	98.0%	82	3.8%	-38
Jessamine	94.6%	42	99.0%	52	4.6%	-10
Johnson	84.9%	85	95.1%	110	12.0%	-25
Kenton	96.0%	35	99.0%	49	3.1%	-14
Knott	78.5%	97	99.4%	38	26.7%	59

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

2 Varicella						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	88.8%	N/A	98.0%	N/A	10.4%	N/A
Knox	68.9%	108	96.8%	98	40.4%	10
LaRue	77.7%	99	99.4%	43	27.9%	56
Laurel	53.5%	118	97.5%	85	82.4%	33
Lawrence	92.5%	56	98.1%	79	6.0%	-23
Lee	69.7%	107	89.6%	118	28.6%	-11
Leslie	72.9%	104	98.3%	76	34.9%	28
Letcher	91.4%	60	98.6%	64	7.9%	-4
Lewis	98.6%	12	100.0%	1	1.4%	11
Lincoln	85.9%	80	100.0%	1	16.4%	79
Livingston	65.9%	113	97.5%	86	48.0%	27
Logan	86.4%	78	96.8%	97	12.0%	-19
Lyon	80.0%	94	98.5%	68	23.1%	26
Madison	92.7%	54	98.6%	63	6.4%	-9
Magoffin	59.0%	116	96.8%	96	64.1%	20
Marion	99.2%	8	97.7%	84	-1.5%	-76
Marshall	94.8%	41	98.5%	66	3.9%	-25
Martin	93.7%	48	98.6%	61	5.3%	-13
Mason	64.9%	115	96.5%	102	48.7%	13
McCracken	93.9%	47	98.7%	59	5.1%	-12
McCreary	95.7%	38	99.6%	35	4.0%	3

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

2 Varicella						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	88.8%	N/A	98.0%	N/A	10.4%	N/A
McLean	97.5%	21	99.2%	46	1.8%	-25
Meade	97.3%	24	99.7%	31	2.5%	-7
Menifee	88.8%	67	100.0%	1	12.7%	66
Mercer	99.6%	7	98.9%	54	-0.7%	-47
Metcalfe	89.6%	66	100.0%	1	11.7%	65
Monroe	81.8%	92	98.5%	68	20.4%	24
Montgomery	88.2%	69	98.0%	81	11.1%	-12
Morgan	96.2%	33	93.8%	114	-2.4%	-81
Muhlenberg	86.7%	76	99.2%	47	14.5%	29
Nelson	87.1%	73	93.1%	116	7.0%	-43
Nicholas	92.9%	51	100.0%	1	7.7%	50
Ohio	72.2%	105	96.5%	101	33.7%	4
Oldham	96.6%	29	99.8%	29	3.4%	0
Owen	97.6%	18	100.0%	1	2.4%	17
Owsley	24.1%	120	92.2%	117	282.8%	3
Pendleton	98.9%	10	99.4%	40	0.6%	-30
Perry	92.8%	53	95.4%	109	2.8%	-56
Pike	91.7%	58	99.4%	42	8.3%	16
Powell	65.3%	114	97.5%	87	49.3%	27
Pulaski	90.3%	64	98.7%	60	9.3%	4

*Includes all schools who reported within a given county.

2015-2016 Annual School Immunization Survey--Sixth Grade Results

Change in Percent of Coverage Rate and County* Rankings, Comparison of Survey Results from 2014-2015 to 2015-2016

2 Varicella						
County	2014-2015 Coverage Rate	2014-2015 County Ranking	2015-2016 Coverage Rate	2015-2016 County Ranking	Change in Percent (%) From 2014-2015 to 2015-2016	Change in County Rankings From 2014-2015 to 2015-2016
Kentucky (Total)	88.8%	N/A	98.0%	N/A	10.4%	N/A
Robertson	96.3%	31	100.0%	1	3.8%	30
Rockcastle	99.0%	9	100.0%	1	1.0%	8
Rowan	68.7%	109	93.3%	115	35.9%	-6
Russell	98.1%	15	100.0%	1	1.9%	14
Scott	67.2%	112	97.4%	88	44.9%	24
Shelby	85.1%	82	99.0%	50	16.4%	32
Simpson	92.5%	57	100.0%	1	8.1%	56
Spencer	100.0%	1	100.0%	1	0.0%	0
Taylor	85.4%	81	99.7%	33	16.7%	48
Todd	77.8%	98	100.0%	1	28.6%	97
Trigg	97.4%	23	100.0%	1	2.7%	22
Trimble	100.0%	1	96.3%	104	-3.7%	-103
Union	96.6%	28	98.8%	57	2.3%	-29
Warren	81.0%	93	97.0%	92	19.7%	1
Washington	90.4%	63	96.5%	100	6.8%	-37
Wayne	100.0%	1	100.0%	1	0.0%	0
Webster	73.1%	103	94.6%	113	29.4%	-10
Whitley	79.0%	96	97.1%	91	23.0%	5
Wolfe	56.0%	117	100.0%	1	78.4%	116
Woodford	97.5%	21	100.0%	1	2.6%	20

*Includes all schools who reported within a given county.

APPENDIX G

KENTUCKY ANNUAL SCHOOL IMMUNIZATION SURVEY REPORT 2015 – 2016

Immunization Staff and Survey Contacts at LHDs

**Kentucky Immunization Program, Frankfort Staff
Kentucky Immunization Program, Field Staff
Local health Department Contacts for Survey**

**Kentucky Immunization Program
Infectious Disease Branch
Division of Epidemiology and Health Planning
Department for Public Health**

Address: Kentucky Immunization Program
275 East Main Street, HS2E-B
Frankfort, KY 40621

Phone: (502) 564-4478, **Fax:** (502) 564-4760

Website: <http://chfs.ky.gov/dph/epi/Immunization+Program.htm>

Kentucky Immunization Program Staff in Frankfort

Program Manager: **Margaret Jones, RN, BSN**

Administrative Assistant: **LaKeta Ritchie**

For more information:

- ❖ Nurse Consultants
 - Varicella, Registry, Adult Immunizations, Vaccine Safety, **Julie Miracle**
 - HPV, Adolescent Immunizations, CCSG, **Debby Donovan**
 - Influenza Coordinator, Hepatitis A, **Troi Cunningham**
 - Perinatal/Adult Hepatitis B, N. Meningitis, **Debbie Bolton-Plucknett**
 - Pertussis, HIB, Strep Pneumonia, Childhood Immunizations, **Kristy Royalty**
- ❖ Vaccine Accountability Section
 - Program Coordinator
 - Assistant Program Coordinator, **Ida Taylor**
 - Representative, Clarissa **Goode**
 - Representative, **Rita Lathrem**
 - Representative, **Jane Payne**
- ❖ Vaccine Storage and Handling Health Education Administrator, **Erica Davis**
- ❖ Kentucky Immunization Registry (KYIR)
 - Registry/AFIX Coordinator, **Jody Schweitzer**
 - KYIR Training Coordinator, **Laura Barrett**
 - KYIR Training Coordinator, **Kim Sanders**
 - KYIR Training Coordinator, **Sarah Heimann**
 - KYIR Helpdesk, **Kiana Butler**
- ❖ Staff Assistant, **Laura Harrod**
- ❖ Yellow Fever and CoCASA Import/Exports, **Carrie Tuggle**
- ❖ Administrative Assistant, **Rebecca Pearl**
- ❖ VPD Coordinator/Epidemiologist, **Alice Nyakeriga**
- ❖ School Assessment Coordinator/Epidemiologist, **Hollie Sands**

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Local Health Department Contacts, 2015-2016 Annual School Immunization Survey

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Sherry Ingram, Bath County Health Department
Trissa McGeorge, Bell County Health Center
Sonya Moseley, Northern Kentucky
Deborah Bradford, Bourbon County Health Department
Erin Crace, Boyd County Health Department
Amy Gammon, Boyle County Health Department
Amy Mains, Bracken County Health Department
Atta Turner, Breathitt County Health Department
Johnnie Kircharr, Breckinridge County Health Department
Marci Flechler, Bullitt County Health Department
Stephanie Stallings, Butler County Health Department
Candace Brown, Caldwell County Health Department
Laura Vincent/Sherry Myers, Calloway County Health Center
Cinda Wilson, Carlisle County Health Center
Ruth Kingkade, Carroll County Health Center
Trena Greene, Carter and Elliott County Health Centers
Natasha Bowmer, Casey County Health Center
Tara Hart, Christian County Health Department
Anne Hatton, Clark County Health Department
Daisy Begley, Clay County Health Center
Donna Parrish, Clinton County Health Center
Heather Jones, Crittenden County Health Center
Sherri Gibson, Cumberland County Health Center
Linda Hughes, Daviess County Health Center
Debbie Cain, Edmonson County Health Center
Trena Greene, Elliott County Health Center
Judy Profitt, Estill County Health Department
Elaine Bailey/Jill Keys, Fayette County Health Department
Marcy Faris, Fleming County Health Department
Brian Holbrook, Floyd County Health Department
Vicky Poplin, Franklin County Health Department
Dawna Fields, Fulton County Health Center
Tammy McDonald, Gallatin County Health Center
Tonya Watkins, Garrard County Health Center
Rita Thorn, Graves County Health Center
Gigi Meredith, Grayson County Health Center
Kaylene Bush, Green County Health Center
Connie Wilburn, Greenup County Health Department
Mary Crowe, Hancock County Health Center
Deborah Hanson, Hardin & Meade County Health Centers
Bobbie Crider, Harlan County Health Center
Janie Martin, Harrison/Nicholas/Scott County Health Centers
Leeann Hennion, Hart County Health Center
Donna Demar, Henderson County Health Center
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Christi Eller, Johnson County Health Department
Kathy Hall, Knott County Health Center
Loretta Rogers, Knox County Health Center

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Katie Brannon, Lewis County Health Center
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Amanda Hunter, Livingston County Health Center
Kelly Lyne, Logan County Health Center
Patricia Ashely, Louisville Metro Public Health and Wellness
Dawn Fowler, Lyon County Health Center
Ava Wright, Madison County Health Department
Marlene Robertson, Magoffin County Health Department
Paula Mattingly, Marion and Washington County Health Ctr
BJ Weathers, Marshall County Health Department
Robin Thompson, Martin County Health Department
Vicki Morgan, Mason County Health Center
Tracy Moss, McCracken County Health Center
Jeanne Gaskin, McCreary County Health Center
Joanie Patterson, McLean County Health Center
Donna Livers, Meade County Health Department
Teresa Kim Smallwood, Menifee County Health Center
Becky Underwood, Mercer County Health Center
Kristi Irvin, Metcalfe County Health Center
Betty Ford, Monroe County Health Department
Kelly Allen, Montgomery County Health Center
Jahna Lane, Morgan County Health Center
Kay Culver, Muhlenberg County Health Department
Christen Renfrow, Ohio County Health Center
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Patti Brashear, Perry County Health Center
Stephanie Bentley, Pike County Health Department
Joanne Campbell, Powell County Health Department
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Allison Alexander, Robertson County Health Center
Angela Thacker, Rockcastle County Health Center
Laura Harney, Rowan County Health Center
Beverly Brockman, Russell County Health Center
Traci Earley, Shelby County Health Center
Jane Lewis, Simpson County Health Center
Leigh Stratton, Spencer County Health Center
Ruth Bender, Taylor County Health Center
Christie Baumann, Todd County Health Department
Georgia McIntosh, Trigg County Health Center
Bonita Scholey, Trimble County Health Center
Donna Metheny, Union County Health Center
Jennifer Davis, Warren County Health Center
Fay Delcamp, Wayne County Health Center
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Tamara Phelps, Whitley County Health Department
Melanie Linkous, Wolfe County Health Center
Edie Flora, Woodford County Health Department