

Kentucky Reportable Diseases Five Year Summary (2017-2021)

Disease Condition ^a	2017 Cases	2017 Crude Rate ^b	2018 Cases	2018 Crude Rate ^b	2019 Cases	2019 Crude Rate ^b	2020 Cases	2020 Crude Rate ^b	2021 Cases	2021 Crude Rate ^b	5-Year Total Case Count	5-Year Average Annual Case Count	5-Year Annual Est. Pop Avg	5-Year Annual Average Rate ^b
Acquired Immunodeficiency Syndrome (AIDS)	92	2.1	93	2.1	78	1.7	73	1.6	89	2.0	425	85	4,480,538	1.9
Anthrax	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Arboviral Diseases														
California Serogroup virus diseases														
California Encephalitis Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Jamestown Canyon Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Keystone Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
La Crosse Virus	0	0.0	0	0.0	1	0.0	5	0.1	0	0.0	0	0	4,480,538	0.0
Snowshoe Hare Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Trivittatus viruses	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Chikungunya virus ^c	0	0.0	1	0.0	1	0.0	0	0.0	1	0.0	0	0	4,480,538	0.0
Eastern Equine Encephalitis Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Powassan Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Venezuelan Equine Encephalitis Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
West Nile Virus Disease ^c	10	0.2	12	0.3	10	0.2	2	0.0	4	0.1	38	8	4,480,538	0.2
Western Equine Encephalitis Virus Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Zika Virus ^c	3	0.1	0	0.0	2	0.0	0	0.0	0	0.0	5	1	4,480,538	0.0
Babesiosis	0	0.0	0	0.0	0	0.0	3	0.1	2	0.0	5	1	4,480,538	0.0
Botulism, infant	7	0.2	5	0.1	6	0.1	3	0.1	4	0.1	25	5	4,480,538	0.1
Botulism, foodborne	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0	4,480,538	0.0
Botulism, wound	0	0.0	0	0.0	0	0.0	0	0.0	1	0.0	0	0	4,480,538	0.0
Bruceellosis	1	0.0	4	0.1	0	0.0	0	0.0	1	0.0	6	1	4,480,538	0.0
Campylobacteriosis	821	18.4	877	19.6	1,127	25.2	1,094	24.3	1,306	29.0	5,225	1,045	4,480,538	23.3
Chancroid	0	0.0	0	0.0	2	0.0	0	0.0	0	0.0	2	0	4,480,538	0.0
<i>Chlamydia trachomatis</i> infection	19,321	433.8	19,440	435.1	20,912	468.1	18,750	416.1	18,500	410.5	96,923	19,385	4,480,538	432.6
Cholera	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Coccidioidomycosis	1	0.0	0	0.0	4	0.1	8	0.2	12	0.3	25	5	4,480,538	0.1
Creutzfeldt-Jakob disease	5	0.1	4	0.1	3	0.1	3	0.1	1	0.0	16	3	4,480,538	0.1
Cryptosporidiosis	91	2.0	178	4.0	341	7.6	222	4.9	228	5.1	1,060	212	4,480,538	4.7
Cyclosporiasis ^d	-	-	-	-	-	-	-	-	29	0.6	29	29	4,506,589	0.6
Dengue virus infections ^c	1	0.0	3	0.1	3	0.1	1	0.0	0	0.0	8	2	4,480,538	0.0

^aCase counts based on MMWR print criteria for that calendar year available at <https://ndc.services.cdc.gov/event-codes-other-surveillance-resources/>

^bRates are expressed as total number of cases per 100,000 population. NOTE: Rates calculated from numerators less than 20 may not be reliably used to determine trends.

^cConfirmed and probable cases reported through ArboNET

^dNot reportable in Kentucky until June 2020

Disease Condition ^a	2017 Cases	2017 Crude Rate ^b	2018 Cases	2018 Crude Rate ^b	2019 Cases	2019 Crude Rate ^b	2020 Cases	2020 Crude Rate ^b	2021 Cases	2021 Crude Rate ^b	5-Year Total Case Count	5-Year Average Annual Case Count	5-Year Annual Est. Pop Avg	5-Year Annual Average Rate ^b
Diphtheria	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Ehrlichiosis/Anaplasmosis ^e	83	1.9	78	1.7	108	2.4	65	1.4	70	1.6	404	81	4,480,538	1.8
Giardiasis ^d	-	-	-	-	-	-	-	-	117	2.6	117	117	4,506,589	2.6
Gonorrhea	7,417	166.5	7,470	167.2	7,379	165.2	8,393	186.3	8,221	182.4	38,880	7,776	4,480,538	173.6
Granuloma inguinale	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
<i>Haemophilus influenzae</i> , invasive disease	87	2.0	116	2.6	111	2.5	38	0.8	35	0.8	387	77	4,480,538	1.7
Hansen Disease (Leprosy)	0	0.0	0	0.0	0	0.0	1	0.0	1	0.0	2	0	4,480,538	0.0
Hantavirus pulmonary syndrome	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Hemolytic uremic syndrome (HUS), post-diarrheal)	6	0.1	3	0.1	18	0.4	6	0.1	9	0.2	42	8	4,480,538	0.2
Hepatitis A	71	1.6	3,560	79.7	1,318	29.5	57	1.3	42	0.9	5,048	1,010	4,480,538	22.5
Hepatitis B, Acute	236	5.3	260	5.8	188	4.2	112	2.5	76	1.7	872	174	4,480,538	3.9
Hepatitis B, Perinatal ^f	1	-	1	-	0	-	0	-	0	-	2	0	4,480,538	-
Hepatitis C, Acute	233	5.2	288	6.4	246	5.5	258	5.7	311	6.9	1,336	267	4,480,538	6.0
Hepatitis C, Perinatal exposure ^g	1,249	23.0	1,274	23.6	1,248	23.5	1,278	24.7	1,154	22.1	6,203	1,241	53,035	23.4
Histoplasmosis	90	2.0	33	0.7	46	1.0	45	1.0	87	1.9	301	60	4,480,538	1.3
Human Immunodeficiency Virus Infection (HIV), not AIDS	254	5.7	286	6.4	250	5.6	228	5.1	304	6.7	1,322	264	4,480,538	5.9
Influenza-associated Mortality ^h	174	3.9	337	7.5	227	5.1	166	3.7	16	0.4	920	184	4,480,538	4.1
Influenza-associated Pediatric Mortality ^h	0	0.0	6	0.1	2	0.0	4	0.1	0	0.0	12	2	4,480,538	0.1
Legionellosis	116	2.6	146	3.3	121	2.7	74	1.6	116	2.6	573	115	4,480,538	2.6
Leptospirosis	0	0.0	0	0.0	1	0.0	0	0.0	1	0.0	2	0	4,480,538	0.0
Listeriosis	9	0.2	2	0.0	9	0.2	10	0.2	6	0.1	36	7	4,480,538	0.2
Lyme Disease	20	0.4	22	0.5	22	0.5	32	0.7	41	0.9	137	27	4,480,538	0.6
Lymphogranuloma venereum	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Malaria	11	0.2	10	0.2	14	0.3	3	0.1	5	0.1	43	9	4,480,538	0.2
Measles	0	0.0	0	0.0	2	0.0	0	0.0	0	0.0	2	0	4,480,538	0.0
Meningococcal disease	2	0.0	6	0.1	8	0.2	2	0.0	2	0.0	20	4	4,480,538	0.1
Middle Eastern Respiratory Syndrome (MERS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Multisystem Inflammatory Syndrome- COVID-19 (MIS-C) ^d	-	-	-	-	-	-	25	0.6	89	2.0	114	57	4,480,538	1.3
Mumps	19	0.4	8	0.2	6	0.1	5	0.1	4	0.1	42	8	4,480,538	0.2

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^eEhrlichiosis/Anaplasmosis includes, *Anaplasma phagocytophilum*, *Ehrlichia chaffeensis*, *Ehrlichia ewingii*, undetermined human ehrlichiosis/anaplasmosis cases

^fPerinatal Hepatitis B cases were the number of infants with a positive Hepatitis B surface antigen test result. Due to the inadequate data on the denominator, rates were not calculated.

^gPerinatal Hepatitis C exposure cases were the number of infants born to mothers with reported history of hepatitis C infection on the birth certificate. Rates were calculated per 1,000 live births.

^hCounts based on calendar year

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Novel Influenza A	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Pertussis	449	10.1	198	4.4	214	4.8	65	1.4	31	0.7	957	191	4,480,538	4.3
Plague	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Polio	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Psittacosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Q Fever	6	0.1	3	0.1	1	0.0	3	0.1	3	0.1	16	3	4,480,538	0.1
Rabies, Animal	10	N/A	19	N/A	14	N/A	17	N/A	15	N/A	75	15	-	-
Rabies, human	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Rubella	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Salmonellosis	677	15.2	661	14.8	748	16.7	662	14.7	586	13.0	3,334	667	4,480,538	14.9
Severe Acute Respiratory Syndrome-associated Coronavirus (SARS-CoV)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Severe Acute Respiratory Syndrome-associated Coronavirus 2 (SARS-CoV-2; COVID-19) ^d	-	-	-	-	-	-	277,976	6,169.2	613,171	13,606.1	891,147	445,574	4,506,213	9888.0
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	59	1.3	182	4.1	379	8.5	157	3.5	169	3.8	946	189	4,480,538	4.2
Shigellosis	275	6.2	95	2.1	124	2.8	55	1.2	62	1.4	611	122	4,480,538	2.7
Smallpox	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Spotted Fever Rickettsiosis	250	5.6	218	4.9	347	7.8	55	1.2	96	2.1	966	193	4,480,538	4.3
Streptococcal toxic shock syndrome	12	0.3	10	0.2	14	0.3	8	0.2	5	0.1	49	10	4,480,538	0.2
<i>Streptococcus pneumoniae</i> , invasive disease	396	8.9	423	9.5	384	8.6	203	4.5	100	2.2	1,506	301	4,480,538	6.7
Syphilis	722	16.2	882	19.7	1,096	24.5	445	9.9	1,559	34.6	4,704	941	4,480,538	21.0
Tetanus	0	0.0	1	0.0	1	0.0	0	0.0	0	0.0	2	0	4,480,538	0.0
Toxic Shock Syndrome (Other than Streptococcal)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Toxoplasmosis	37	0.8	7	0.2	12	0.3	2	0.0	16	0.4	74	15	4,480,538	0.3
Trichinellosis (Trichinosis)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Tuberculosis	65	1.5	65	1.5	66	1.5	67	1.5	57	1.3	320	64	4,480,538	1.4
Tularemia	2	0.0	7	0.2	13	0.3	5	0.1	11	0.2	38	8	4,480,538	0.2
Typhoid Fever	2	0.0	0	0.0	0	0.0	1	0.0	1	0.0	4	1	4,480,538	0.0
Varicella	15	0.3	34	0.8	57	1.3	16	0.4	39	0.9	161	32	4,480,538	0.7
Vibriosis	18	0.4	42	0.9	31	0.7	18	0.4	32	0.7	141	28	4,480,538	0.6
Viral Hemorrhagic Fevers														
Crimean-Congo Hemorrhagic Fever virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Ebola Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Lassa Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Lujjo Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Marburg Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
New World Arenaviruses	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0
Yellow Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,480,538	0.0

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