

*2015 Kentucky Annual  
Positron Emission Tomography Report*

*January 1 through December 31, 2015*

*Published October 2016*



Commonwealth of Kentucky  
Cabinet for Health and Family Services  
Office of Health Policy



# **2015 KENTUCKY POSITRON EMISSION TOMOGRAPHY SERVICES REPORT**

## **INTRODUCTION**

The Office of Health Policy of the Cabinet for Health and Family Services announces the release of the 2015 Kentucky Positron Emission Tomography (PET) Services Report. This collection and reporting of data is required by 902 KAR 20:008 and 900 KAR 6:125.

This report covers the period of January 1, 2015 through December 31, 2015. It includes PET procedures and patient utilization for all licensed PET units operating in Kentucky that are compliant with the Kentucky licensing and regulation reporting requirements. These units were licensed and approved through the state certificate of need (CON) program. It does not include units in the Commonwealth that are unlicensed, such as PET services provided in the private office of a physician, as these are exempt from CON.

PET scans combine nuclear scanning with chemical analysis to enable physicians to observe how organs work. Positrons are positively charged electrons that are produced spontaneously as certain radioactive substances (for example, radioactive glucose) decompose. The type of radioactive substance used for a particular PET scan varies, based on the medical condition for which a patient is being tested. During a PET scan, the radioactive material is introduced into the patient's body (usually by injection) and is detected by a sophisticated camera that obtains sectional views through a patient's body.

The field "Facility Type" identifies the type of licensed entity authorized to provide the PET service, i.e. hospital, freestanding (specialized medical technology service) and mobile health service. The hospital, freestanding or mobile providers, have received CON approval (or CON exemption) and are licensed to provide PET services. "Hospital" indicates that a licensed hospital is providing the service directly or has contracted with a vendor for the PET scanner services to be provided on the hospital campus. "Freestanding" indicates that a freestanding (non-hospital) specialized medical technology service directly provides the service or contracts with a vendor for the PET scanner services to be provided at the freestanding site. "Mobile" indicates the licensed mobile health service provides the services under the authority of its mobile health license.

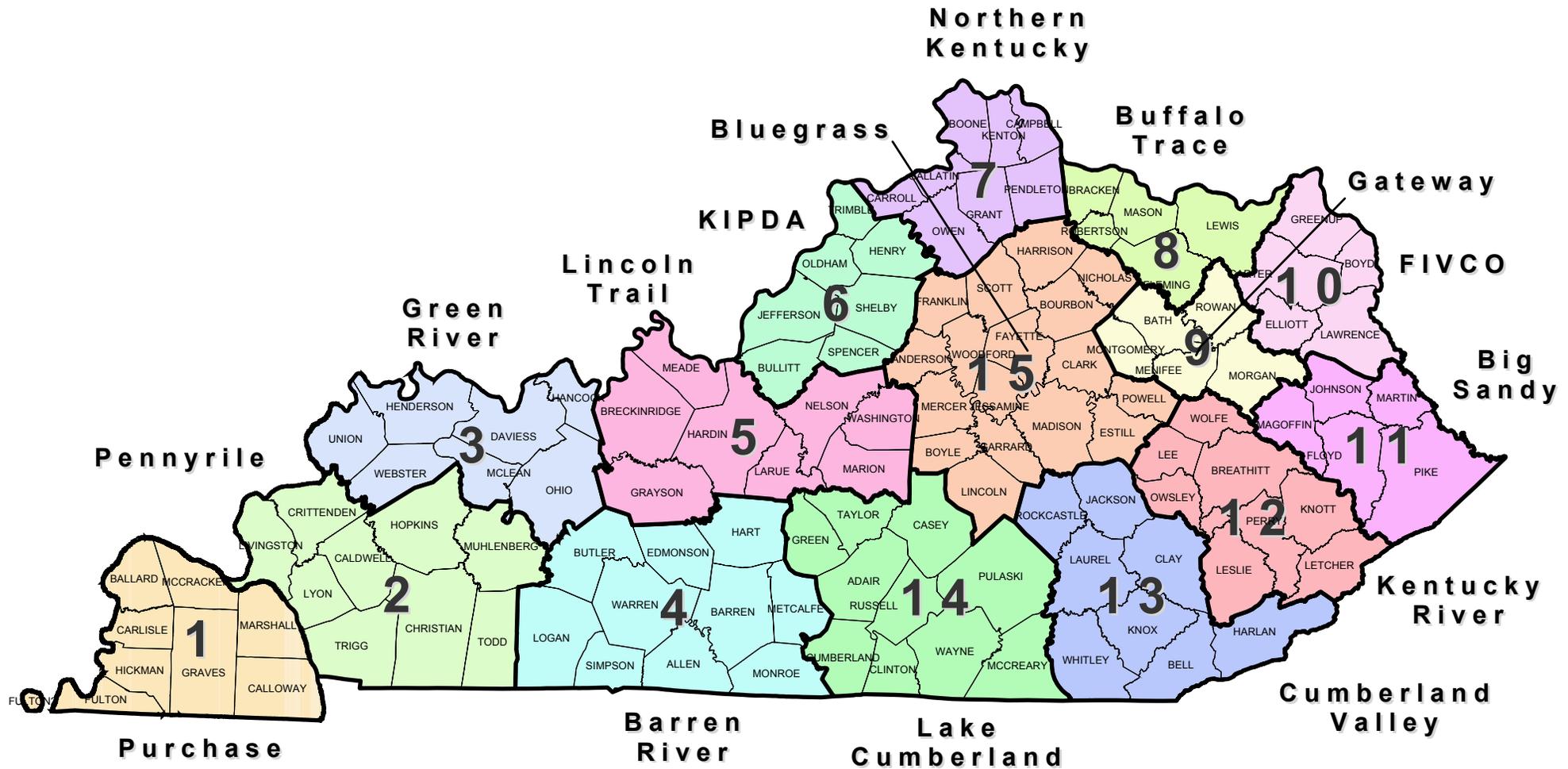
In 2015, there were 24,479 PET procedures performed in 32 Kentucky counties by these licensed facilities, similar to the number performed each of the last eight years. There were 46 facilities in the state providing PET procedures. Of these, 16 were hospital-based, 19 were mobile units, and 11 were freestanding.

Questions or comments should be directed to Beth Tutt Morris at (502) 564-9592 ext. 3156 or e-mail: BethA.Morris@ky.gov.

This report becomes the most recent official data on PET services utilization published by the Cabinet for Health and Family Services. For additional copies of this report, see the web site <http://chfs.ky.gov/ohp/dhppd/dataresgal.htm> or please submit a request in writing, along with a check for \$20 made payable to the Kentucky State Treasurer to:

Cabinet for Health and Family Services  
Office of Health Policy  
275 East Main Street 4 W-E  
Frankfort, KY 40621

# Kentucky Counties and Area Development Districts (ADDs)





## County and Area Development District Reference

ADD	ADD NAME	COUNTY	ADD	ADD NAME	COUNTY				
1	PURCHASE	BALLARD	4	BARREN RIVER	SIMPSON				
		CALLOWAY			WARREN				
		CARLISLE			METCALFE				
		FULTON			MONROE				
		2	PENNYRILE	GRAVES	5	LINCOLN TRAIL	BRECKINRIDGE		
				HICKMAN			GRAYSON		
				MARSHALL			HARDIN		
				MCCRACKEN			LARUE		
				3	GREEN RIVER	CALDWELL	6	KIPDA	MARION
						CHRISTIAN			MEADE
						CRITTENDEN			NELSON
						HOPKINS			WASHINGTON
LIVINGSTON	BULLITT								
LYON	HENRY								
MUHLENBERG	JEFFERSON								
TODD	OLDHAM								
TRIGG	SHELBY								
4	BARREN RIVER	DAVIESS	7			NORTHERN KY			SPENCER
		HANCOCK							TRIMBLE
		HENDERSON							BOONE
		MCLEAN		CAMPBELL					
		5	BARREN RIVER	OHIO	8	BUFFALO TRACE	CARROLL		
				UNION			GALLATIN		
				WEBSTER			GRANT		
				ALLEN			KENTON		
				BARREN			OWEN		
				BUTLER			PENDLETON		
				EDMONSON			BRACKEN		
				HART			FLEMING		
LOGAN	LEWIS								



## County and Area Development District Reference

ADD	ADD NAME	COUNTY	ADD	ADD NAME	COUNTY
8	BUFFALO TRACE	MASON ROBERTSON	13	CUMBERLAND VALLEY	LAUREL ROCKCASTLE
9	GATEWAY	BATH MENIFEE MONTGOMERY MORGAN ROWAN	14	LAKE CUMBERLAND	WHITLEY ADAIR CASEY CLINTON CUMBERLAND
10	FIVCO	BOYD CARTER ELLIOTT GREENUP LAWRENCE			GREEN MCCREARY PULASKI RUSSELL TAYLOR WAYNE
11	BIG SANDY	FLOYD JOHNSON MAGOFFIN MARTIN PIKE	15	BLUEGRASS	ANDERSON BOURBON BOYLE CLARK ESTILL FAYETTE FRANKLIN GARRARD HARRISON JESSAMINE LINCOLN MADISON MERCER NICHOLAS POWELL SCOTT WOODFORD
12	KY RIVER	BREATHITT KNOTT LEE LESLIE LETCHER OWSLEY PERRY WOLFE			
13	CUMBERLAND VALLEY	BELL CLAY HARLAN JACKSON KNOX			

*POSITRON EMISSION  
TOMOGRAPHY*



*CHARTS*

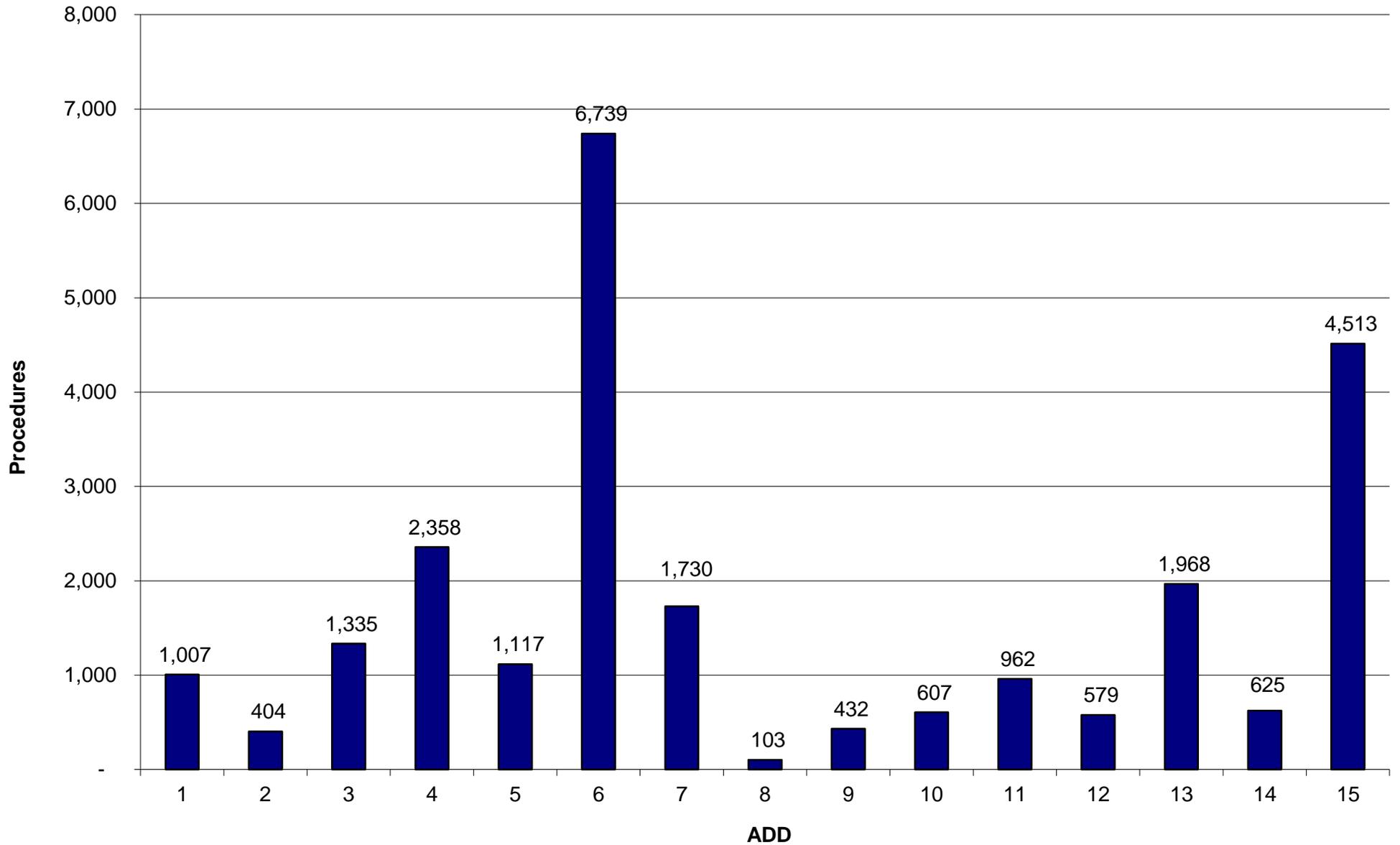
# Kentucky PET Review

## Licensed Procedures by ADD

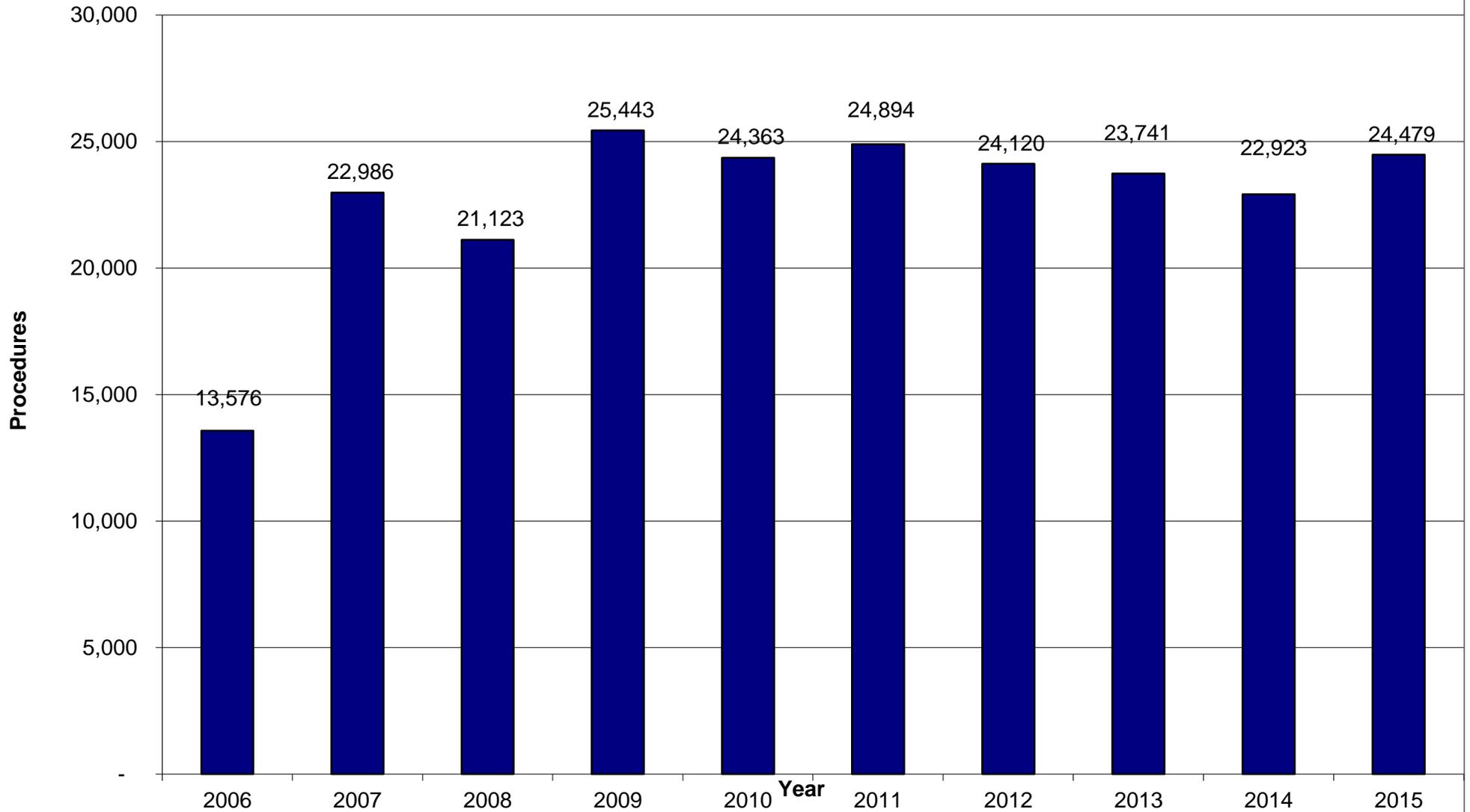
### 2006-2015

ADD	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Purchase	1,014	1,629	1,615	1,369	1,532	1,360	1,337	1,226	1,067	1,007
Pennyrile	356	510	558	682	733	741	616	463	398	404
Green River	635	683	904	959	992	1,083	1,193	1,296	1,269	1,335
Barren River	1,498	1,774	2,005	2,044	2,226	2,320	2,324	2,056	2,360	2,358
Lincoln Trail	968	1,272	1,320	1,400	1,370	1,367	1,385	1,088	945	1,117
KIPDA	2,395	7,539	3,144	6,853	6,483	6,530	6,397	6,586	7,307	6,739
Northern KY	1,399	1,526	1,813	1,868	1,896	1,797	1,819	1,841	1,626	1,730
Buffalo Trace	-	-	-	-	-	122	99	99	98	103
Gateway	-	-	-	-	-	365	-	302	264	432
FIVCO	723	1,799	2,646	3,204	1,183	904	1,310	1,561	813	607
Big Sandy	566	674	680	734	763	940	941	979	1,037	962
KY River	252	275	449	565	839	515	601	519	580	579
Cumberland Valley	337	362	366	431	462	477	409	449	461	1,968
Lake Cumberland	451	751	862	1,068	1,244	1,841	941	863	775	625
Bluegrass	2,982	4,192	4,761	4,266	4,640	4,532	4,748	4,413	3,923	4,513
<b>State Total</b>	<b>13,576</b>	<b>22,986</b>	<b>21,123</b>	<b>25,443</b>	<b>24,363</b>	<b>24,894</b>	<b>24,120</b>	<b>23,741</b>	<b>22,923</b>	<b>24,479</b>

# 2015 Kentucky Licensed PET Procedures by ADD



# Kentucky Licensed PET Procedures 2006 - 2015



*POSITRON EMISSION  
TOMOGRAPHY*



*DATA*

# 2015 KENTUCKY POSITRON EMISSION TOMOGRAPHY REPORT

PET PROCEDURES BY FACILITY							
ADD	County	Facility Type	Facility	Mobile Provider Of Service	Units on Site	Total Procedures	Total Patients
<b>1 PURCHASE</b>							
<b>    CALLOWAY</b>							
		Mobile	Murray Calloway County Hospital	Shared PET Imaging	1	132	132
						132	132
<b>    MCCRACKEN</b>							
		Hospital	Baptist Health Paducah		1	609	609
		Hospital	Lourdes Hospital		1	266	246
						875	855
<b>ADD 1 Totals:</b>						<b>1,007</b>	<b>987</b>
<b>2 PENNYRILE</b>							
<b>    CHRISTIAN</b>							
		Hospital	Jennie Stuart Medical Center		1	171	171
						171	171
<b>    HOPKINS</b>							
		Mobile	Baptist Health Madisonville	Shared PET Imaging	1	233	233
						233	233
<b>ADD 2 Totals:</b>						<b>404</b>	<b>404</b>
<b>3 GREEN RIVER</b>							
<b>    DAVIESS</b>							
		Freestanding	Owensboro Health Outpatient Imaging Breckenridge		1	1,150	1,150
						1,150	1,150
<b>    HENDERSON</b>							
		Hospital	Methodist Hospital		1	185	174
						185	174
<b>ADD 3 Totals:</b>						<b>1,335</b>	<b>1,324</b>
<b>4 BARREN RIVER</b>							
<b>    BARREN</b>							
		Hospital	T J Samson Community Hospital		1	281	278
						281	278
<b>    WARREN</b>							
		Mobile	Greenview Regional Hospital	Shared PET Imaging	1	105	105

# 2015 KENTUCKY POSITRON EMISSION TOMOGRAPHY REPORT

PET PROCEDURES BY FACILITY							
ADD	County	Facility Type	Facility	Mobile Provider Of Service	Units on Site	Total Procedures	Total Patients
		Hospital	The Medical Center At Bowling Green		1	1,972	1,016
						<b>2,077</b>	<b>1,121</b>
<b>ADD 4 Totals:</b>						<b>2,358</b>	<b>1,399</b>
<b>5 LINCOLN TRAIL</b>							
<b>HARDIN</b>							
		Freestanding	HMH PET/CT Service		1	853	853
						853	853
<b>MARION</b>							
		Mobile	Springview Hospital	Alliance Imaging	1	8	8
						8	8
<b>NELSON</b>							
		Hospital	Flaget Memorial Hospital		1	256	256
						256	256
<b>ADD 5 Totals:</b>						<b>1,117</b>	<b>1,117</b>
<b>6 KIPDA</b>							
<b>JEFFERSON</b>							
		Freestanding	Baptist Health Bodyscan		1	1,809	1,809
		Freestanding	Cancer and Blood Specialists		1	578	578
		Mobile	Jewish Hospital & St Mary's Healthcare	Alliance Imaging	1	73	73
		Freestanding	Jewish Hospital Medical Center Northeast		1	109	99
		Freestanding	Norton Diagnostic Center - St Matthews		1	684	684
		Freestanding	Norton Diagnostic Center Dupont		1	1,896	1,896
		Hospital	Norton Hsp/Kosair Chdrn Hsp/Norton Healthcare Pav		1	416	416
		Hospital	University Of Louisville Hospital		1	1,044	1,044
						<b>6,609</b>	<b>6,599</b>
<b>SHELBY</b>							
		Mobile	Jewish Hospital Shelbyville	Alliance Imaging	1	130	130
						130	130
<b>ADD 6 Totals:</b>						<b>6,739</b>	<b>6,729</b>

# 2015 KENTUCKY POSITRON EMISSION TOMOGRAPHY REPORT

PET PROCEDURES BY FACILITY							
ADD	County	Facility Type	Facility	Mobile Provider Of Service	Units on Site	Total Procedures	Total Patients
<b>7 NORTHERN KY</b>							
<b>KENTON</b>							
		Freestanding Hospital	Northern KY PET Scan St Elizabeth Edgewood		1	82	82
					1	1,648	1,648
						<b>1,730</b>	<b>1,730</b>
				<b>ADD 7 Totals:</b>		<b>1,730</b>	<b>1,730</b>
<b>8 BUFFALO TRACE</b>							
<b>MASON</b>							
		Mobile	Meadowview Regional Hospital	Shared PET Imaging	1	103	103
						<b>103</b>	<b>103</b>
				<b>ADD 8 Totals:</b>		<b>103</b>	<b>103</b>
<b>9 GATEWAY</b>							
<b>MONTGOMERY</b>							
		Mobile	Montgomery Cancer Center	Alliance Imaging	1	257	257
						<b>257</b>	<b>257</b>
<b>ROWAN</b>							
		Mobile	St. Claire Regional Medical Center	Alliance Imaging	1	175	175
						<b>175</b>	<b>175</b>
				<b>ADD 9 Totals:</b>		<b>432</b>	<b>432</b>
<b>10 FIVCO</b>							
<b>BOYD</b>							
		Hospital	Kings Daughters Medical Center		1	544	544
						<b>544</b>	<b>544</b>
<b>GREENUP</b>							
		Mobile	Our Lady of Bellefonte Hospital	Alliance Imaging	1	63	63
						<b>63</b>	<b>63</b>
				<b>ADD 10 Totals:</b>		<b>607</b>	<b>607</b>
<b>11 BIG SANDY</b>							
<b>PIKE</b>							
		Mobile Hospital	ARH Tug Valley Pikeville Medical Center	Shared PET Imaging	1	61	61
					1	901	901
						<b>962</b>	<b>962</b>
				<b>ADD 11 Totals:</b>		<b>962</b>	<b>962</b>

# 2015 KENTUCKY POSITRON EMISSION TOMOGRAPHY REPORT

PET PROCEDURES BY FACILITY							
ADD	County	Facility Type	Facility	Mobile Provider Of Service	Units on Site	Total Procedures	Total Patients
<b>12 KY RIVER</b>							
<b>LETCHE</b>							
	Mobile		ARH Whitesburg	Shared PET Imaging	1	98	98
						<b>98</b>	<b>98</b>
<b>PERRY</b>							
	Hospital		Hazard ARH Regional Medical Center		1	481	481
						<b>481</b>	<b>481</b>
<b>ADD 12 Totals:</b>						<b>579</b>	<b>579</b>
<b>13 CUMBERLAND VALLEY</b>							
<b>HARLAN</b>							
	Mobile		ARH Harlan	Shared PET Imaging	1	159	159
						<b>159</b>	<b>159</b>
<b>WHITLEY</b>							
	Hospital		Baptist Health Corbin		1	1,809	1,809
						<b>1,809</b>	<b>1,809</b>
<b>ADD 13 Totals:</b>						<b>1,968</b>	<b>1,968</b>
<b>14 LAKE CUMBERLAND</b>							
<b>PULASKI</b>							
	Hospital		Lake Cumberland Regional Hospital		1	350	350
						<b>350</b>	<b>350</b>
<b>TAYLOR</b>							
	Mobile		Taylor Regional Hospital	Alliance Imaging	1	275	275
						<b>275</b>	<b>275</b>
<b>ADD 14 Totals:</b>						<b>625</b>	<b>625</b>
<b>15 BLUEGRASS</b>							
<b>BOYLE</b>							
	Mobile		Ephraim McDowell Reg Medical Ctr	Shared PET Imaging	1	140	140
						<b>140</b>	<b>140</b>
<b>CLARK</b>							
	Mobile		Clark Regional Medical Center	Alliance Imaging	1	85	85
						<b>85</b>	<b>85</b>
<b>FAYETTE</b>							
	Freestanding		Baptist Health PET Imaging		1	864	864
	Freestanding		Bluegrass Regional Imaging		1	879	879

# 2015 KENTUCKY POSITRON EMISSION TOMOGRAPHY REPORT

PET PROCEDURES BY FACILITY							
ADD	County	Facility Type	Facility	Mobile Provider Of Service	Units on Site	Total Procedures	Total Patients
		Freestanding Hospital	New Lexington Clinic		1	554	554
			University of Kentucky Hospital		1	1,745	1,745
						<b>4,042</b>	<b>4,042</b>
<b>FRANKLIN</b>							
		Mobile	Frankfort Regional Medical Center	Alliance Imaging	1	65	65
						<b>65</b>	<b>65</b>
<b>MADISON</b>							
		Mobile	St. Joseph Outpatient Care Richmond	Alliance Imaging	1	99	99
						<b>99</b>	<b>99</b>
<b>SCOTT</b>							
		Mobile	Georgetown Community Hospital	Alliance Imaging	1	82	82
						<b>82</b>	<b>82</b>
<b>ADD 15 Totals:</b>						<b>4,513</b>	<b>4,513</b>
<b>State Total:</b>						<b>24,479</b>	<b>23,479</b>

*POSITRON EMISSION  
TOMOGRAPHY*



*COMMENTS*

# 2015 KENTUCKY POSITRON EMISSION TOMOGRAPHY REPORT

## PET Comments

Facility	Comments
Norton Diagnostic Center - St Matthews	Voluntary revocation of SMTS license on 11/20/2015.



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