

# *2014 Kentucky Annual Megavoltage Radiation Services Report*

*January 1 through December 31, 2014*

*Published July 2015*



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

***Kentucky***   
UNBRIDLED SPIRIT™

# 2014 KENTUCKY MEGAVOLTAGE RADIATION SERVICES REPORT

## INTRODUCTION

The Office of Health Policy of the Cabinet for Health and Family Services announces the release of the 2014 Kentucky Megavoltage Radiation Services Report. The collection and reporting of these data are required by 902 KAR 20:008 and 900 KAR 6:125.

This report covers the period of January 1, 2014 through December 31, 2014. It includes Linear Accelerator procedure utilization for all **licensed** units operating in Kentucky that are compliant with the Kentucky licensing and regulation reporting requirements. The Kentucky Annual Megavoltage Radiation Report is published independently of the Kentucky Hospital Utilization Report. By creating an independent report the licensed free standing Linear Accelerators in the Commonwealth have been included.

The 2014 report contains two tables. Table 1 documents Linear Accelerator utilization by county and facility. Table 2 documents Linear Accelerator utilization by Facility and Area Development District (ADD). Questions or comments should be directed to Beth Morris at (502) 564-9592 ext: 3156 or e-mail: BethA.Morris@ky.gov.

Please note that due to changes in technology linear accelerator simulations have declined statewide. Simulations are being performed on devices other than the linear accelerator. The 2014 Megavoltage Radiation Survey collected data on those simulations performed on other devices. Those data elements are represented in this report for linear accelerator simulations, CT simulations and other devices.

This report becomes the most recent official data on Megavoltage Radiation Services utilization published by the Cabinet for Health and Family Services. For additional copies of this report, see the following web site <http://chfs.ky.gov/ohp/dhppd/dataresgal.htm> or please submit a request in writing, checks should be made payable to the Kentucky State Treasurer and sent to:

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





## 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					
		8	BUFFALO TRACE	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			

*Table 1*  
*Megavoltage Radiation*



*By County and Facility*

# 2014 KENTUCKY ANNUAL MEGAVOLTAGE RADIATION SERVICES REPORT

## Table 1 - Megavoltage Radiation Therapy by County and Facility

County	Service Type	Facility	Linear Acc Units	Linear Acc Procedures	Linear Acc Simulations	CT Simulations	Other Device Simulations	Total Simulations
<b>BARREN</b>								
	Freestanding	The Barren River Regional Cancer Center	1	4,084	172	232	155	559
			<b>1</b>	<b>4,084</b>	<b>172</b>	<b>232</b>	<b>155</b>	<b>559</b>
<b>BOYD</b>								
	Freestanding	Tri State Regional Cancer Center	2	10,068	35	462	0	497
			<b>2</b>	<b>10,068</b>	<b>35</b>	<b>462</b>	<b>0</b>	<b>497</b>
<b>BOYLE</b>								
	Freestanding	Danville Radiation Therapy Center	1	4,966	0	446	0	446
			<b>1</b>	<b>4,966</b>	<b>0</b>	<b>446</b>	<b>0</b>	<b>446</b>
<b>CALLOWAY</b>								
	Hospital	Murray Calloway County Hospital	1	5,373	87	0	424	511
			<b>1</b>	<b>5,373</b>	<b>87</b>	<b>0</b>	<b>424</b>	<b>511</b>
<b>CAMPBELL</b>								
	Hospital	St Elizabeth Ft Thomas	1	2,420	221	0	0	221
			<b>1</b>	<b>2,420</b>	<b>221</b>	<b>0</b>	<b>0</b>	<b>221</b>
<b>CHRISTIAN</b>								
	Hospital	Jennie Stuart Medical Center	1	4,459	17	179	34	230
			<b>1</b>	<b>4,459</b>	<b>17</b>	<b>179</b>	<b>34</b>	<b>230</b>
<b>DAVIESS</b>								
	Freestanding	Owensboro Health Radiation Therapy-Parrish	2	9,144	392	433	0	825
			<b>2</b>	<b>9,144</b>	<b>392</b>	<b>433</b>	<b>0</b>	<b>825</b>
<b>FAYETTE</b>								
	Hospital	Baptist Health Lexington	2	6,690	2,112	802	84	2,998
	Freestanding	St Joseph Radiation Oncology Blazer Parkway	1	2,983	155	0	0	155
	Freestanding	St Joseph Radiation Oncology Bob O Link	1	2,456	152	0	260	412

**Table 1 - Megavoltage Radiation Therapy by County and Facility**

County	Service Type	Facility	Linear Acc Units	Linear Acc Procedures	Linear Acc Simulations	CT Simulations	Other Device Simulations	Total Simulations
	Hospital	University of Kentucky Hospital	4	26,826	2,338	1,404	0	3,742
			<b>8</b>	<b>38,955</b>	<b>4,757</b>	<b>2,206</b>	<b>344</b>	<b>7,307</b>
<b>FRANKLIN</b>								
	Freestanding	Bluegrass Radiation Oncology Center	1	2,393	0	211	0	211
			<b>1</b>	<b>2,393</b>	<b>0</b>	<b>211</b>	<b>0</b>	<b>211</b>
<b>GREENUP</b>								
	Freestanding	Bellefonte Cancer Center	1	2,496	0	144	0	144
			<b>1</b>	<b>2,496</b>	<b>0</b>	<b>144</b>	<b>0</b>	<b>144</b>
<b>HARDIN</b>								
	Hospital	Hardin Memorial Hospital	2	5,294	273	303	0	576
			<b>2</b>	<b>5,294</b>	<b>273</b>	<b>303</b>	<b>0</b>	<b>576</b>
<b>HOPKINS</b>								
	Hospital	Merle M Mahr Cancer Center	2	4,745	323	203	83	609
			<b>2</b>	<b>4,745</b>	<b>323</b>	<b>203</b>	<b>83</b>	<b>609</b>
<b>JEFFERSON</b>								
	Freestanding	Baptist Eastpoint Radiation Oncology	1	3,996	263	120	0	383
	Hospital	Baptist Health Louisville	3	11,299	845	612	0	1,457
	Hospital	Cyberknife Radiosurgery Center	1	216	0	216	0	216
	Freestanding	Louisville Radiation Oncology	2	6,005	0	633	0	633
	Freestanding	Norton Cancer Institute Radiation Center Northeast	1	4,266	0	463	0	463
	Hospital	Norton Hsp/Kosair Chdrn Hsp/Norton Healthcare Pav	2	9,994	0	1,369	0	1,369
	Hospital	Norton Suburban Hospital	2	10,614	0	1,494	0	1,494
	Hospital	University Of Louisville Hospital	5	14,148	139	1,130	1	1,270
			<b>17</b>	<b>60,538</b>	<b>1,247</b>	<b>6,037</b>	<b>1</b>	<b>7,285</b>
<b>KENTON</b>								
	Hospital	St Elizabeth Edgewood	3	6,366	529	334	0	863
			<b>3</b>	<b>6,366</b>	<b>529</b>	<b>334</b>	<b>0</b>	<b>863</b>

**Table 1 - Megavoltage Radiation Therapy by County and Facility**

County	Service Type	Facility	Linear Acc Units	Linear Acc Procedures	Linear Acc Simulations	CT Simulations	Other Device Simulations	Total Simulations
<b>MCCRACKEN</b>								
	Hospital	Baptist Health Paducah	2	11,807	0	629	0	629
			<b>2</b>	<b>11,807</b>	<b>0</b>	<b>629</b>	<b>0</b>	<b>629</b>
<b>NELSON</b>								
	Freestanding	Flaget Cancer Center	1	2,007	195	78	0	273
			<b>1</b>	<b>2,007</b>	<b>195</b>	<b>78</b>	<b>0</b>	<b>273</b>
<b>PERRY</b>								
	Hospital	Hazard ARH Regional Medical Center	1	4,355	471	216	255	942
			<b>1</b>	<b>4,355</b>	<b>471</b>	<b>216</b>	<b>255</b>	<b>942</b>
<b>PIKE</b>								
	Hospital	Pikeville Medical Center	2	6,602	0	368	0	368
			<b>2</b>	<b>6,602</b>	<b>0</b>	<b>368</b>	<b>0</b>	<b>368</b>
<b>PULASKI</b>								
	Hospital	Lake Cumberland Regional Hospital	1	6,756	546	312	9	867
			<b>1</b>	<b>6,756</b>	<b>546</b>	<b>312</b>	<b>9</b>	<b>867</b>
<b>ROWAN</b>								
	Freestanding	UK Clinic Morehead Cancer Treatment Center	2	4,563	192	124	0	316
			<b>2</b>	<b>4,563</b>	<b>192</b>	<b>124</b>	<b>0</b>	<b>316</b>
<b>WARREN</b>								
	Hospital	The Medical Center At Bowling Green	2	8,787	168	495	189	852
			<b>2</b>	<b>8,787</b>	<b>168</b>	<b>495</b>	<b>189</b>	<b>852</b>
		<b>State Total:</b>	<b>54</b>	<b>206,178</b>	<b>9,625</b>	<b>13,412</b>	<b>1,494</b>	<b>24,531</b>

**Table 2 - Megavoltage Radiation Therapy by ADD and County**

ADD	County	Service Type	Facility	Linear Acc Units	Linear Acc Procedures	Linear Acc Simulations	CT Simulations	Other Device Simulations	Total Simulations
<b>1 PURCHASE</b>									
<b>    CALLOWAY</b>									
		Hospital	Murray Calloway County Hospital	1	5,373	87	0	424	511
				<b>1</b>	<b>5,373</b>	<b>87</b>	<b>0</b>	<b>424</b>	<b>511</b>
<b>    MCCRACKEN</b>									
		Hospital	Baptist Health Paducah	2	11,807	0	629	0	629
				<b>2</b>	<b>11,807</b>	<b>0</b>	<b>629</b>	<b>0</b>	<b>629</b>
		<b>ADD 1 Totals:</b>		<b>3</b>	<b>17,180</b>	<b>87</b>	<b>629</b>	<b>424</b>	<b>1,140</b>
<b>2 PENNYRILE</b>									
<b>    CHRISTIAN</b>									
		Hospital	Jennie Stuart Medical Center	1	4,459	17	179	34	230
				<b>1</b>	<b>4,459</b>	<b>17</b>	<b>179</b>	<b>34</b>	<b>230</b>
<b>    HOPKINS</b>									
		Hospital	Merle M Mahr Cancer Center	2	4,745	323	203	83	609
				<b>2</b>	<b>4,745</b>	<b>323</b>	<b>203</b>	<b>83</b>	<b>609</b>
		<b>ADD 2 Totals:</b>		<b>3</b>	<b>9,204</b>	<b>340</b>	<b>382</b>	<b>117</b>	<b>839</b>
<b>3 GREEN RIVER</b>									
<b>    DAVISS</b>									
		Freestanding	Owensboro Health Radiation Therapy-Parrish	2	9,144	392	433	0	825
				<b>2</b>	<b>9,144</b>	<b>392</b>	<b>433</b>	<b>0</b>	<b>825</b>
		<b>ADD 3 Totals:</b>		<b>2</b>	<b>9,144</b>	<b>392</b>	<b>433</b>	<b>0</b>	<b>825</b>
<b>4 BARREN RIVER</b>									
<b>    BARREN</b>									
		Freestanding	The Barren River Regional Cancer Center	1	4,084	172	232	155	559
				<b>1</b>	<b>4,084</b>	<b>172</b>	<b>232</b>	<b>155</b>	<b>559</b>

**Table 2 - Megavoltage Radiation Therapy by ADD and County**

ADD	County	Service Type	Facility	Linear Acc Units	Linear Acc Procedures	Linear Acc Simulations	CT Simulations	Other Device Simulations	Total Simulations
<b>WARREN</b>									
		Hospital	The Medical Center At Bowling Green	2	8,787	168	495	189	852
				<b>2</b>	<b>8,787</b>	<b>168</b>	<b>495</b>	<b>189</b>	<b>852</b>
		<b>ADD 4 Totals:</b>		<b>3</b>	<b>12,871</b>	<b>340</b>	<b>727</b>	<b>344</b>	<b>1,411</b>
<b>5 LINCOLN TRAIL</b>									
<b>HARDIN</b>									
		Hospital	Hardin Memorial Hospital	2	5,294	273	303	0	576
				<b>2</b>	<b>5,294</b>	<b>273</b>	<b>303</b>	<b>0</b>	<b>576</b>
<b>NELSON</b>									
		Freestanding	Flaget Cancer Center	1	2,007	195	78	0	273
				<b>1</b>	<b>2,007</b>	<b>195</b>	<b>78</b>	<b>0</b>	<b>273</b>
		<b>ADD 5 Totals:</b>		<b>3</b>	<b>7,301</b>	<b>468</b>	<b>381</b>	<b>0</b>	<b>849</b>
<b>6 KIPDA</b>									
<b>JEFFERSON</b>									
		Freestanding	Baptist Eastpoint Radiation Oncology	1	3,996	263	120	0	383
		Hospital	Baptist Health Louisville	3	11,299	845	612	0	1,457
		Hospital	Cyberknife Radiosurgery Center	1	216	0	216	0	216
		Freestanding	Louisville Radiation Oncology	2	6,005	0	633	0	633
		Freestanding	Norton Cancer Institute Radiation Center Northeast	1	4,266	0	463	0	463
		Hospital	Norton Hsp/Kosair Chdrn Hsp/Norton Healthcare Pav	2	9,994	0	1,369	0	1,369
		Hospital	Norton Suburban Hospital	2	10,614	0	1,494	0	1,494
		Hospital	University Of Louisville Hospital	5	14,148	139	1,130	1	1,270
				<b>17</b>	<b>60,538</b>	<b>1,247</b>	<b>6,037</b>	<b>1</b>	<b>7,285</b>
		<b>ADD 6 Totals:</b>		<b>17</b>	<b>60,538</b>	<b>1,247</b>	<b>6,037</b>	<b>1</b>	<b>7,285</b>

**Table 2 - Megavoltage Radiation Therapy by ADD and County**

ADD	County	Service Type	Facility	Linear Acc Units	Linear Acc Procedures	Linear Acc Simulations	CT Simulations	Other Device Simulations	Total Simulations
<b>7 NORTHERN KY</b>									
<b>CAMPBELL</b>									
		Hospital	St Elizabeth Ft Thomas	1	2,420	221	0	0	221
				<b>1</b>	<b>2,420</b>	<b>221</b>	<b>0</b>	<b>0</b>	<b>221</b>
<b>KENTON</b>									
		Hospital	St Elizabeth Edgewood	3	6,366	529	334	0	863
				<b>3</b>	<b>6,366</b>	<b>529</b>	<b>334</b>	<b>0</b>	<b>863</b>
			<b>ADD 7 Totals:</b>	<b>4</b>	<b>8,786</b>	<b>750</b>	<b>334</b>	<b>0</b>	<b>1,084</b>
<b>9 GATEWAY</b>									
<b>ROWAN</b>									
		Freestanding	UK Clinic Morehead Cancer Treatment Center	2	4,563	192	124	0	316
				<b>2</b>	<b>4,563</b>	<b>192</b>	<b>124</b>	<b>0</b>	<b>316</b>
			<b>ADD 9 Totals:</b>	<b>2</b>	<b>4,563</b>	<b>192</b>	<b>124</b>	<b>0</b>	<b>316</b>
<b>10 FIVCO</b>									
<b>BOYD</b>									
		Freestanding	Tri State Regional Cancer Center	2	10,068	35	462	0	497
				<b>2</b>	<b>10,068</b>	<b>35</b>	<b>462</b>	<b>0</b>	<b>497</b>
<b>GREENUP</b>									
		Freestanding	Bellefonte Cancer Center	1	2,496	0	144	0	144
				<b>1</b>	<b>2,496</b>	<b>0</b>	<b>144</b>	<b>0</b>	<b>144</b>
			<b>ADD 10 Totals:</b>	<b>3</b>	<b>12,564</b>	<b>35</b>	<b>606</b>	<b>0</b>	<b>641</b>
<b>11 BIG SANDY</b>									
<b>PIKE</b>									
		Hospital	Pikeville Medical Center	2	6,602	0	368	0	368
				<b>2</b>	<b>6,602</b>	<b>0</b>	<b>368</b>	<b>0</b>	<b>368</b>
			<b>ADD 11 Totals:</b>	<b>2</b>	<b>6,602</b>	<b>0</b>	<b>368</b>	<b>0</b>	<b>368</b>

**Table 2 - Megavoltage Radiation Therapy by ADD and County**

ADD	County	Service Type	Facility	Linear Acc Units	Linear Acc Procedures	Linear Acc Simulations	CT Simulations	Other Device Simulations	Total Simulations
<b>12 KY RIVER</b>									
<b>PERRY</b>									
	Hospital		Hazard ARH Regional Medical Center	1	4,355	471	216	255	942
				<b>1</b>	<b>4,355</b>	<b>471</b>	<b>216</b>	<b>255</b>	<b>942</b>
			<b>ADD 12 Totals:</b>	<b>1</b>	<b>4,355</b>	<b>471</b>	<b>216</b>	<b>255</b>	<b>942</b>
<b>14 LAKE CUMBERLAND</b>									
<b>PULASKI</b>									
	Hospital		Lake Cumberland Regional Hospital	1	6,756	546	312	9	867
				<b>1</b>	<b>6,756</b>	<b>546</b>	<b>312</b>	<b>9</b>	<b>867</b>
			<b>ADD 14 Totals:</b>	<b>1</b>	<b>6,756</b>	<b>546</b>	<b>312</b>	<b>9</b>	<b>867</b>
<b>15 BLUEGRASS</b>									
<b>BOYLE</b>									
	Freestanding		Danville Radiation Therapy Center	1	4,966	0	446	0	446
				<b>1</b>	<b>4,966</b>	<b>0</b>	<b>446</b>	<b>0</b>	<b>446</b>
<b>FAYETTE</b>									
	Hospital		Baptist Health Lexington	2	6,690	2,112	802	84	2,998
	Freestanding		St Joseph Radiation Oncology Blazer Parkway	1	2,983	155	0	0	155
	Freestanding		St Joseph Radiation Oncology Bob O Link	1	2,456	152	0	260	412
	Hospital		University of Kentucky Hospital	4	26,826	2,338	1,404	0	3,742
				<b>8</b>	<b>38,955</b>	<b>4,757</b>	<b>2,206</b>	<b>344</b>	<b>7,307</b>
<b>FRANKLIN</b>									
	Freestanding		Bluegrass Radiation Oncology Center	1	2,393	0	211	0	211
				<b>1</b>	<b>2,393</b>	<b>0</b>	<b>211</b>	<b>0</b>	<b>211</b>
			<b>ADD 15 Totals:</b>	<b>10</b>	<b>46,314</b>	<b>4,757</b>	<b>2,863</b>	<b>344</b>	<b>7,964</b>
			<b>State Total:</b>	<b>54</b>	<b>206,178</b>	<b>9,625</b>	<b>13,412</b>	<b>1,494</b>	<b>24,531</b>

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Facility	Comments
Baptist Health Lexington	Ultrasound Machine This device is used for Prostate Seed and Mammosite placement.
Baptist Health Paducah	It was discovered that past years' data was overstated. Corrected information is formatted as year-procedures-linear accelerator simulations-patients. 2013-10862-0-455, 2012-11955-0-480, 2011-12063-0-458, and 2010-12557-0-480. Other data is the same.
Jennie Stuart Medical Center	Simulations on other devices include: ultrasound simulations, MRI simulations for fusion with CT, PET/CT simulations
Lake Cumberland Regional Hospital	The other simulations were performed in the OR suite while doing prostate seed implants.
Murray Calloway County Hospital	Simview NT
The Barren River Regional Cancer Center	"another device"- computer-aided simulations
The Medical Center At Bowling Green	"another device"- computer-aided simulations
UK Clinic Morehead Cancer Treatment Center	1 Linear Accelerator 1 C.T. Sim



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