

## 2015 Positron Emission Tomography Scanner Need Projection

Health Planning Area	2015 Projected Population <sup>1</sup>	Sum of Projected Cancer Cases <sup>2</sup>	Projected number of cancer patients that may benefit from scan <sup>3</sup>	Projected number of PET patients <sup>4</sup>	Projected number of PET units needed statewide per HPA <sup>5</sup>	Existing and Approved PET/CT Units <sup>6</sup>	Projected Unmet Need (Deficit) or Surplus <sup>7</sup>	Unmet Need (Type Unit Allowed) <sup>7</sup>	Aggregate Utilization <sup>8</sup>
HPA 01	834,363	3,948	1,974	2,566	0.93	3.20	2.2640	No Units Needed	32.7%
HPA 02	527,666	2,659	1,330	1,728	0.63	1.00	0.3715	No Units Needed	33.3%
HPA 03	5,229,849	24,091	12,046	15,659	5.69	15.17	9.4755	No Units Needed	50.2%
HPA 04	526,326	2,512	1,256	1,633	0.59	1.00	0.4062	No Units Needed	28.3%
HPA 05	575,489	2,675	1,337	1,739	0.63	1.26	0.6308	No Units Needed	29.7%
HPA 06	557,824	2,635	1,317	1,712	0.62	1.25	0.6293	No Units Needed	77.7%
HPA 07	465,261	2,167	1,083	1,409	0.51	1.07	0.5618	No Units Needed	48.3%
HPA 08	370,736	1,677	838	1,090	0.40	1.44	1.0420	No Units Needed	41.9%
HPA 09	154,293	640	320	416	0.15	0.00	(0.1514)	Mobile Unit	0.0%
HPA 10	567,201	2,597	1,298	1,688	0.61	3.54	2.9286	No Units Needed	62.7%
HPA 11	384,655	1,845	923	1,199	0.44	2.12	1.6790	No Units Needed	28.4%
HPA 12	249,464	1,159	579	753	0.27	1.22	0.9412	No Units Needed	154.5%
HPA 13	370,446	1,742	871	1,132	0.41	0.31	(0.1035)	Mobile Unit	155.0%
	<b>10,813,573</b>	<b>50,347</b>	<b>25,174</b>	<b>32,726</b>	<b>11.90</b>	<b>32.58</b>			<b>48.2%</b>

### Notes and Sources:

<sup>1</sup> 2015 Resident Projected Population, Georgia Governor's Office of Planning and Budget, 4/2006 Release

<sup>2</sup> Projected cancer cases is determined by applying the most recent cancer incidence rates to the horizon year population. From "Age-Adjusted Cancer Incidence Rates per 100,000 (2002-2006)" reported by the Georgia Comprehensive Cancer Registry; Georgia Division of Public Health (<http://www.health.state.ga.us/programs/gccr/data.asp>); released Spring, 2009.

<sup>3</sup> Projected cancer cases who may benefit from PET scans is 50% of the projected number of cancer cases.

<sup>4</sup> The projected number of PET scan patients is determined using the actual ratio of Oncology to Non-Oncology PET scans from the most recent 2 years.

<sup>5</sup> The number of PET scan units projected by HPA is determined by using an optimal utilization standard of 2,750 scans per unit per year. Projected number of PET patients is divided by 2,750.

<sup>6</sup> Total Existing PET/CT scanner units reported. Mobile units allocated by HPA as reported.

<sup>7</sup> Projected unmet need is from the sum of the existing and approved PET scanners less the projected number of PET scan units in the horizon year. Where the projected unmet need is greater than -75.0% a fixed unit is allowed. If projected unmet need is greater than -3.2875% but less than -75.0% a mobile site is allowed.

<sup>8</sup> Aggregate utilization based on survey data for all units that were operational during 2009. Calculated by dividing the actual total number of scans by the capacity number of scans as if the available units were operating at optimal utilization. Aggregate utilization must be at or above 80% before new units will be approved.

# HEALTH PLANNING AREAS

