

2018 Positron Emission Tomography Scanner Need Projection

Health Planning Area	2018 Projected Population ¹	Sum of Projected Cancer Cases ²	Projected number of cancer patients that may benefit from scan ³	Projected number of PET patients ⁴	Projected number of PET units needed statewide per HPA ⁵	Existing and Approved PET/CT Units ⁶	Projected Unmet Need (Deficit) or Surplus ⁷	Unmet Need (Type Unit Allowed) ⁷	Aggregate Utilization ⁸
HPA 01	851,385	4,029	2,015	2,619	0.95	3.28	2.3326	No Units Needed	27.7%
HPA 02	571,794	2,774	1,387	1,803	0.66	1.00	0.3443	No Units Needed	39.5%
HPA 03	5,673,275	27,277	13,639	17,730	6.45	18.74	12.2951	No Units Needed	48.4%
HPA 04	589,334	2,803	1,401	1,822	0.66	1.00	0.3376	No Units Needed	47.5%
HPA 05	615,491	2,873	1,437	1,867	0.68	2.31	1.6346	No Units Needed	29.6%
HPA 06	587,230	2,817	1,408	1,831	0.67	1.28	0.6096	No Units Needed	80.1%
HPA 07	511,102	2,350	1,175	1,527	0.56	1.14	0.5843	No Units Needed	61.5%
HPA 08	408,111	1,933	966	1,256	0.46	1.17	0.7158	No Units Needed	44.3%
HPA 09	161,807	667	334	434	0.16	0.14	(0.0180)	No Units Needed	55.4%
HPA 10	662,089	2,944	1,472	1,914	0.70	3.27	2.5698	No Units Needed	38.6%
HPA 11	410,479	2,040	1,020	1,326	0.48	2.11	1.6233	No Units Needed	29.0%
HPA 12	281,894	1,357	678	882	0.32	1.14	0.8218	No Units Needed	31.9%
HPA 13	406,438	1,757	878	1,142	0.42	0.97	0.5519	No Units Needed	71.6%
	11,730,429	55,621	27,810	36,153	13.15	37.55			45.1%

Notes and Sources:

¹ 2018 Resident Projected Population, Georgia Governor's Office of Planning and Budget, 4/2011 Release

² 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 (2006-2010)" reported by the Georgia Comprehensive Cancer Registry; Georgia Department of Public Health (<http://dph.georgia.gov/cancer-reports>); released 2013.

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

⁴ 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.

⁵ 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**.

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

⁷ 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.

⁸ Aggregate utilization based on survey data for all units that were operational during 2012. 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

