

2022

Positron Emission Tomography Scanner Need Projection

Health Planning Area	2022 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	763,885	3,482	1,741	2,438	0.89	3.57	2.6807	No Units Needed	24.7%
HPA 02	501,287	2,480	1,240	1,736	0.63	1.00	0.3688	No Units Needed	52.8%
HPA 03	5,478,950	25,530	12,765	17,871	6.50	18.37	11.8741	No Units Needed	41.3%
HPA 04	537,192	2,608	1,304	1,825	0.66	1.00	0.3362	No Units Needed	38.3%
HPA 05	551,908	2,702	1,351	1,891	0.69	2.21	1.5259	No Units Needed	47.8%
HPA 06	556,190	2,641	1,321	1,849	0.67	1.21	0.5414	No Units Needed	87.7%
HPA 07	513,236	2,218	1,109	1,553	0.56	1.27	0.7038	No Units Needed	46.0%
HPA 08	395,106	1,831	915	1,282	0.47	1.35	0.8860	No Units Needed	33.8%
HPA 09	154,740	638	319	447	0.16	0.27	0.1088	No Units Needed	47.7%
HPA 10	668,524	3,057	1,528	2,140	0.78	3.36	2.5808	No Units Needed	33.7%
HPA 11	367,610	1,762	881	1,233	0.45	2.07	1.6227	No Units Needed	27.0%
HPA 12	272,865	1,305	653	914	0.33	1.14	0.8103	No Units Needed	42.1%
HPA 13	391,668	1,746	873	1,222	0.44	1.12	0.6776	No Units Needed	55.7%
	11,153,161	51,999	26,000	36,399	13.24	37.95			40.8%

Notes and Sources:

¹ 2022 Resident Projected Population, Georgia Governor's Office of Planning and Budget, 4/1/2017 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 (2010-2014)" reported by the Georgia Comprehensive Cancer Registry; Georgia Department of Public Health (<http://dph.georgia.gov/cancer-reports>); released 2016.

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 2016. 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.