

2029

Positron Emission Tomography Scanner Need Projection

Health Planning Area	2029 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	787,134	3,765	1,883	2,636	0.96	3.83	2.8716	No Units Needed	50.3%
HPA 02	540,202	2,725	1,363	1,908	0.69	3.14	2.4488	No Units Needed	115.1%
HPA 03	5,836,842	26,938	13,469	18,857	6.86	20.18	13.3211	No Units Needed	68.9%
HPA 04	597,254	2,885	1,443	2,020	0.73	2.07	1.3313	No Units Needed	136.1%
HPA 05	575,687	2,823	1,411	1,976	0.72	2.29	1.5664	No Units Needed	78.3%
HPA 06	556,292	2,681	1,341	1,877	0.68	2.21	1.5257	No Units Needed	60.8%
HPA 07	522,970	2,431	1,216	1,702	0.62	1.39	0.7702	No Units Needed	84.7%
HPA 08	378,586	1,807	904	1,265	0.46	1.34	0.8824	No Units Needed	50.4%
HPA 09	150,644	636	318	445	0.16	0.20	0.0381	No Units Needed	71.6%
HPA 10	691,767	3,162	1,581	2,214	0.80	3.40	2.5895	No Units Needed	49.9%
HPA 11	341,711	1,647	824	1,153	0.42	2.07	1.6519	No Units Needed	46.6%
HPA 12	274,290	1,327	664	929	0.34	1.14	0.8046	No Units Needed	54.5%
HPA 13	389,211	1,876	938	1,313	0.48	0.94	0.4582	No Units Needed	97.3%
	11,642,590	54,706	27,353	38,294	13.93	44.19			68.9%

Notes and Sources:

¹ 2029 Resident Projected Population, Georgia Governor's Office of Planning and Budget, 4/1/2023 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 (2018-2022)" reported by the Georgia Comprehensive Cancer Registry; Georgia Department of Public Health (<http://dph.georgia.gov/cancer-reports>); released 2024.

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 2023. 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.