

2024

Positron Emission Tomography Scanner Need Projection

Health Planning Area	2024 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	771,923	3,543	1,771	2,480	0.90	3.56	2.6599	No Units Needed	28.4%
HPA 02	512,288	2,638	1,319	1,846	0.67	1.00	0.3286	No Units Needed	52.7%
HPA 03	5,643,624	27,133	13,567	18,993	6.91	20.00	13.0879	No Units Needed	48.2%
HPA 04	552,950	2,784	1,392	1,949	0.71	1.00	0.2912	No Units Needed	74.8%
HPA 05	564,054	2,829	1,414	1,980	0.72	2.57	1.8499	No Units Needed	41.4%
HPA 06	562,072	2,828	1,414	1,980	0.72	2.14	1.4199	No Units Needed	50.2%
HPA 07	522,125	2,377	1,188	1,664	0.60	1.27	0.6608	No Units Needed	54.7%
HPA 08	397,529	1,877	938	1,314	0.48	1.34	0.8648	No Units Needed	38.4%
HPA 09	155,095	653	327	457	0.17	0.27	0.1022	No Units Needed	63.1%
HPA 10	685,214	3,074	1,537	2,152	0.78	3.38	2.6010	No Units Needed	35.7%
HPA 11	370,012	1,759	879	1,231	0.45	2.07	1.6222	No Units Needed	27.9%
HPA 12	276,618	1,321	660	924	0.34	1.14	0.8063	No Units Needed	53.1%
HPA 13	396,848	1,798	899	1,258	0.46	0.90	0.4370	No Units Needed	73.7%
	11,410,352	54,612	27,306	38,229	13.90	40.63			45.4%

Notes and Sources:

¹ 2024 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 (2013-2017)" reported by the Georgia Comprehensive Cancer Registry; Georgia Department of Public Health (<http://dph.georgia.gov/cancer-reports>); released 2019.

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 2018. 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.