

2020 Positron Emission Tomography Scanner Need Projection

Health Planning Area	2020 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	885,014	4,146	2,073	2,902	1.06	3.43	2.3722	No Units Needed	29.9%
HPA 02	602,966	2,931	1,466	2,052	0.75	1.00	0.2539	No Units Needed	37.6%
HPA 03	5,909,615	28,035	14,018	19,625	7.14	20.15	13.0089	No Units Needed	49.9%
HPA 04	619,053	2,962	1,481	2,073	0.75	1.00	0.2462	No Units Needed	50.9%
HPA 05	644,868	3,139	1,569	2,197	0.80	2.05	1.2476	No Units Needed	30.0%
HPA 06	603,195	2,851	1,426	1,996	0.73	1.27	0.5400	No Units Needed	90.0%
HPA 07	524,772	2,337	1,169	1,636	0.59	1.14	0.5421	No Units Needed	59.8%
HPA 08	418,200	2,003	1,001	1,402	0.51	1.36	0.8491	No Units Needed	39.3%
HPA 09	165,204	697	348	488	0.18	0.15	(0.0321)	No Units Needed	79.9%
HPA 10	686,810	3,138	1,569	2,197	0.80	3.27	2.4751	No Units Needed	39.0%
HPA 11	419,507	2,054	1,027	1,438	0.52	2.11	1.5840	No Units Needed	33.3%
HPA 12	289,422	1,414	707	990	0.36	1.15	0.7853	No Units Needed	37.0%
HPA 13	420,626	1,835	918	1,285	0.47	1.26	0.7904	No Units Needed	52.5%
	12,189,252	57,542	28,771	40,279	14.65	39.31			46.0%

Notes and Sources:

¹ 2020 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 (2008-2012)" reported by the Georgia Comprehensive Cancer Registry; Georgia Department of Public Health (<http://dph.georgia.gov/cancer-reports>); released 2015.

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 2014. 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

