

2028

Positron Emission Tomography Scanner Need Projection

Health Planning Area	2028 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	783,436	3,624	1,812	2,537	0.92	3.78	2.8583	No Units Needed	41.3%
HPA 02	534,913	2,606	1,303	1,824	0.66	2.14	1.4791	No Units Needed	91.2%
HPA 03	5,773,039	26,638	13,319	18,647	6.78	19.94	13.1564	No Units Needed	62.1%
HPA 04	589,920	2,831	1,416	1,982	0.72	2.07	1.3450	No Units Needed	107.1%
HPA 05	571,121	2,718	1,359	1,903	0.69	2.29	1.5930	No Units Needed	60.8%
HPA 06	554,218	2,664	1,332	1,865	0.68	2.21	1.5329	No Units Needed	54.8%
HPA 07	519,929	2,400	1,200	1,680	0.61	1.28	0.6685	No Units Needed	77.8%
HPA 08	377,910	1,767	883	1,237	0.45	1.31	0.8626	No Units Needed	43.1%
HPA 09	150,607	616	308	431	0.16	0.26	0.1034	No Units Needed	67.8%
HPA 10	685,305	3,087	1,544	2,161	0.79	3.33	2.5457	No Units Needed	41.7%
HPA 11	341,667	1,634	817	1,144	0.42	2.07	1.6552	No Units Needed	38.7%
HPA 12	272,823	1,298	649	909	0.33	1.14	0.8120	No Units Needed	57.0%
HPA 13	387,718	1,786	893	1,250	0.45	1.10	0.6455	No Units Needed	75.1%
	11,542,606	53,670	26,835	37,569	13.66	42.92			59.7%

Notes and Sources:

¹ 2028 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 (2016-2020)" reported by the Georgia Comprehensive Cancer Registry; Georgia Department of Public Health (<http://dph.georgia.gov/cancer-reports>); released 2022.

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 2022. 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.