2017 Positron Emission Tomography Scanner Need Projection

Health Planning Area	2017 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	835,080	4,012	2,006	2,608	0.95	3.28	2.3366	No Units Needed	30.6%
HPA 02	556,852	2,751	1,376	1,788	0.65	1.00	0.3497	No Units Needed	33.3%
HPA 03	5,558,804	25,966	12,983	16,878	6.14	18.45	12.3091	No Units Needed	51.6%
HPA 04	575,025	2,698	1,349	1,754	0.64	1.00	0.3622	No Units Needed	35.3%
HPA 05	601,250	2,798	1,399	1,819	0.66	2.31	1.6509	No Units Needed	31.7%
HPA 06	579,365	2,800	1,400	1,820	0.66	1.37	0.7066	No Units Needed	73.4%
HPA 07	504,351	2,391	1,196	1,554	0.57	1.14	0.5745	No Units Needed	61.1%
HPA 08	403,220	1,938	969	1,259	0.46	1.16	0.7064	No Units Needed	43.3%
HPA 09	160,109	697	349	453	0.16	0.14	(0.0224)	No Units Needed	59.0%
HPA 10	650,109	2,966	1,483	1,928	0.70	3.33	2.6250	No Units Needed	35.3%
HPA 11	406,009	1,981	991	1,288	0.47	2.07	1.6016	No Units Needed	30.2%
HPA 12	278,187	1,343	672	873	0.32	1.25	0.9373	No Units Needed	39.9%
HPA 13	399,534	1,798	899	1,169	0.42	0.94	0.5148	No Units Needed	82.0%
	11,507,895	**54,141**	**27,070**	**35,192**	**12.80**	**37.45**			**46.3%**

Notes and Sources:

[1] 2017 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 (2005-2009)" reported by the Georgia Comprehensive Cancer Registry; Georgia Division of Public Health (http://www.health.state.ga.us/programs/gccr/data.asp); released 2012.

[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 Ocology 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 devided 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 2011. 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.

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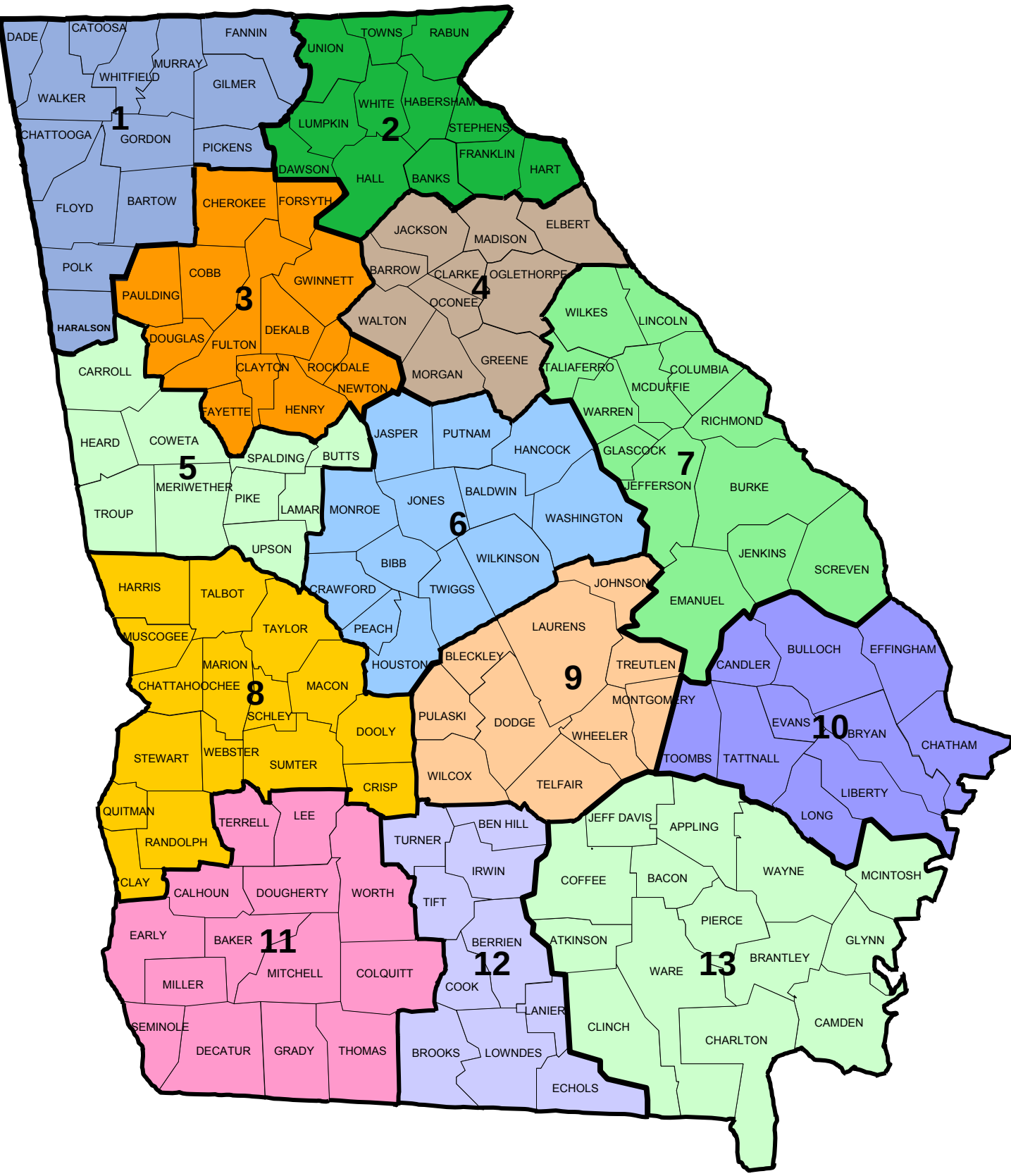
HEALTH PLANNING AREAS