

Table 17C-5: Linear Accelerator Service Areas and Calculations

Service Area	2019 Population	Accelerators	Population within Service Area Per Accelerator	Percentage of Patients from Outside the Service	2017-2018 ESTV Procedures	Procedures Per Accelerator	ESTV Procedures Divided by 6,750 Minus # of Accelerators	Need Determinations	
Area 1	146,739	2	73,370	6.89%	4,358	2,179	-1.35		*
Area 2	432,064	8	54,008	19.30%	35,093	4,387	-2.80		*
Area 3	104,501	1	104,501	18.64%	2,286	2,286	-0.66		*
Area 4	175,975	3	58,658	16.20%	8,865	2,955	-1.69		*
Area 5	373,126	6	62,188	11.25%	25,243	4,207	-2.26		*
Area 6	477,918	5	95,584	7.90%	28,305	5,661	-0.81		*
Area 7	1,378,507	11	125,319	26.44%	65,901	5,991	-1.24		
Area 8	325,733	4	81,433	22.39%	19,476	4,869	-1.11		*
Area 9	277,123	4	69,281	25.43%	17,671	4,418	-1.38		*
Area 10	665,269	10	66,527	27.93%	57,029	5,703	-1.55		*
Area 11	168,798	1	168,798	19.85%	2,748	2,748	-0.59		
Area 12	629,948	7	89,993	15.55%	36,761	5,252	-1.55		*
Area 13	144,125	1	144,125	15.50%	4,590	4,590	-0.32		
Area 14**	222,174	6	37,029	78.40%	38,228	6,371	-0.34		*
Area 15	191,810	2	95,905	14.60%	15,711	7,855	0.33	1	*
Area 16**	484,003	10	48,400	63.51%	47,257	4,726	-3.00		*
Area 17	327,088	3	109,029	30.53%	19,476	6,492	-0.11		*
Area 18	557,768	8	69,721	17.57%	27,896	3,487	-3.87		*
Area 19	497,630	4	124,408	10.50%	27,747	6,937	0.11		
Area 20	1,165,211	11	105,928	15.48%	47,845	4,350	-3.91		*
Area 21	136,031	1	136,031						
Area 22**	204,784	2	102,392	49.14%	9,682	4,841	-0.57		*
Area 23	242,011	2	121,006	11.28%	10,342	5,171	-0.47		
Area 24	198,058	3	66,019	12.40%	16,042	5,347	-0.62		*
Area 25	201,213	1	201,213	3.95%	4,672	4,672	-0.31		
Area 26	302,821	4	75,705	7.29%	11,872	2,968	-2.24		*
Area 27	333,987	7	47,712	32.10%	24,951	3,564	-3.30		*
Area 28	160,133	2	80,067	4.72%	7,268	3,634	-0.92		*
Totals	10,524,548	129	81,586		617,310	4,785	-37.55	1	

* Service Area does not have 120,000 base population per accelerator.

** Area has more than 45% of its patients coming from outside the service areas.