

Table 9H: Linear Accelerator Service Areas and Calculations

Service Area	2015 Population	Accelerators	Population within Service Area Per Accelerator	Percentage of Patients from Outside the Service Area	2014-2015 ESTV Procedures	Procedures Per Accelerator	ESTV Procedures Divided by 6,750 Minus # of Accelerators	Need Determinations
Area 1	139,285	2	69,643	9.68%	1,928	964	-1.71	*
Area 2	418,976	8	52,372	20.24%	34,694	4,337	-2.86	*
Area 3	99,116	1	99,116	14.55%	4,293	4,293	-0.36	*
Area 4	168,316	3	56,105	10.65%	9,676	3,225	-1.57	*
Area 5	366,795	6	61,133	10.83%	23,616	3,936	-2.50	*
Area 6	460,633	5	92,127	6.91%	29,175	5,835	-0.68	*
Area 7	1,306,187	11	118,744	21.25%	64,034	5,821	-1.51	*
Area 8	310,110	4	77,528	28.69%	21,145	5,286	-0.87	*
Area 9	262,333	3	87,444	22.57%	16,077	5,359	-0.62	*
Area 10	652,532	10	65,253	26.22%	57,780	5,778	-1.44	*
Area 11	165,399	1	165,399	10.00%	2,450	2,450	-0.64	
Area 12	612,941	7	87,563	22.39%	44,352	6,336	-0.43	*
Area 13	144,254	1	144,254	12.52%	4,224	4,224	-0.37	
Area 14**	214,245	5	42,849	72.27%	31,962	6,392	-0.26	*
Area 15	183,149	2	91,575	14.07%	9,309	4,654	-0.62	*
Area 16**	466,762	10	46,676	65.23%	37,212	3,721	-4.49	*
Area 17	315,822	4	78,956	36.04%	17,619	4,405	-1.39	*
Area 18	565,848	7	80,835	15.53%	27,653	3,950	-2.90	*
Area 19	464,322	4	116,081	12.91%	28,953	7,238	0.29	*
Area 20	1,089,870	10	108,987	15.60%	32,857	3,286	-5.13	*
Area 21	130,243	1	130,243					
Area 22	186,764	2	93,382	43.97%	3,213	1,606	-1.52	*
Area 23	245,669	2	122,835	9.03%	10,294	5,147	-0.47	
Area 24	199,181	3	66,394	12.24%	11,361	3,787	-1.32	*
Area 25	195,835	1	195,835	10.16%	4,667	4,667	-0.31	
Area 26	305,036	4	76,259	14.05%	12,440	3,110	-2.16	*
Area 27	331,612	7	47,373	28.30%	37,604	5,372	-1.43	*
Area 28	156,693	2	78,347	4.21%	7,760	3,880	-0.85	*
Totals	10,157,928	126	80,618		586,343	4,654	-39.13	

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

** Areas have more than 45% of their patients coming from outside their service areas