

Table 15C-5: Linear Accelerator Service Areas and Calculations

Service Area	2023 Population	Accelerators	Population within Service Area Per Accelerator	Percentage of Patients from Outside the Service Area	2021-2022 ESTV Procedures	Procedures Per Accelerator	ESTV Procedures Divided by 6,750 Minus # of Accelerators	Need Determinations
Area 1	144,685	2	72,343	15.69%	3,339	1,670	-1.51	
Area 2	440,212	8	55,027	27.38%	33,093	4,137	-3.10	
Area 3	98,197	1	98,197	14.06%	2,336	2,336	-0.65	
Area 4	171,237	3	57,079	11.25%	11,251	3,750	-1.33	
Area 5	369,403	6	61,567	17.67%	21,492	3,582	-2.82	
Area 6	501,349	5	100,270	10.10%	31,413	6,283	-0.35	
Area 7	1,433,456	12	119,455	22.00%	76,757	6,396	-0.63	
Area 8	350,759	4	87,690	28.57%	20,341	5,085	-0.99	
Area 9	303,520	4	75,880	25.30%	16,615	4,154	-1.54	
Area 10	662,900	10	66,290	36.73%	33,830	3,383	-4.99	
Area 11*	173,876	1	173,876	20.57%	3,181	3,181	-0.53	
Area 12	638,925	7	91,275	20.23%	42,949	6,136	-0.64	
Area 13*	146,470	1	146,470	13.70%	3,884	3,884	-0.42	
Area 14**	230,834	6	38,472	74.69%	39,067	6,511	-0.21	
Area 15	201,188	2	100,594	17.91%	9,630	4,815	-0.57	
Area 16**	500,359	10	50,036	62.40%	50,202	5,020	-2.56	
Area 17	330,164	3	110,055	21.88%	11,583	3,861	-1.28	
Area 18	550,660	8	68,833	13.45%	29,397	3,675	-3.64	
Area 19*	513,357	4	128,339	11.58%	34,506	8,626	1.11	1
Area 20	1,265,403	12	105,450	10.01%	49,329	4,111	-4.69	
Area 21*	143,081	1	143,081		0	0	-1.00	
Area 22*	242,959	2	121,480	43.45%	11,557	5,779	-0.29	
Area 23	220,500	2	110,250	13.79%	13,670	6,835	0.03	
Area 24	192,898	4	48,225	17.17%	16,726	4,182	-1.52	
Area 25*	212,036	1	212,036	17.75%	2,694	2,694	-0.60	
Area 26	284,076	4	71,019	4.97%	11,567	2,892	-2.29	
Area 27	308,600	6	51,433	28.90%	27,359	4,560	-1.95	
Area 28	163,359	2	81,680	4.41%	8,613	4,307	-0.72	
Totals	10,794,463	131	82,400		616,376	4,705	-39.69	

* Service Area has at least 120,000 base population per accelerator.

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