

Table 9F: Linear Accelerator Service Areas and Calculations

Service Area	2010 Civilian Population	Accelerators	Population within Service Area Per Accelerator	Percentage of Patients from Outside the Service Area	2008-2009 ESTV Procedures	Procedures Per Accelerator	ESTV Procedures Divided by 6,750 Minus # of Accelerators	Need Determination
Area 1	134,769	2	67,385	2.48%	4,971	2,486	-1.26	*
Area 2	393,699	7	56,243	22.92%	33,730	4,819	-2.00	*
Area 3	91,501	1	91,501	7.52%	4,169	4,169	-0.38	*
Area 4	158,074	3	52,691	6.58%	9,498	3,166	-1.59	*
Area 5	369,496	6	61,583	9.04%	25,037	4,173	-2.29	*
Area 6	457,253	5	91,451	4.36%	25,278	5,056	-1.26	*
Area 7	1,146,010	11	104,183	11.88%	62,261	5,660	-1.78	*
Area 8	305,647	4	76,412	29.09%	23,273	5,818	-0.55	*
Area 9	244,259	3	81,420	26.84%	16,380	5,460	-0.57	*
Area 10	637,140	9	70,793	21.72%	51,940	5,771	-1.31	*
Area 11	163,501	1						
Area 12	577,035	7	82,434	25.97%	38,907	5,558	-1.24	*
Area 13	144,764	1	144,764	12.80%	3,803	3,803	-0.44	
Area 14**	196,967	4	49,242	76.71%	25,953	6,488	-0.16	*
Area 15	175,940	2	87,970	10.74%	9,592	4,796	-0.58	*
Area 16	432,808	7	61,830	11.38%	43,943	6,278	-0.49	*
Area 17*	307,780	3	102,593	16.79%	23,896	7,965	0.54	*
Area 18	555,834	7	79,405	13.28%	28,143	4,020	-2.83	*
Area 19*	418,322	4	104,581	13.44%	36,228	9,057	1.37	*
Area 20	1,111,896	8	138,987	16.77%	39,877	4,985	-2.09	
Area 21	174,793	2	87,397	25.00%	2,432	1,216	-1.64	
Area 22	228,572	2	114,286	6.32%	10,659	5,330	-0.42	*
Area 23	186,481	3	62,160	18.63%	12,155	4,052	-1.20	*
Area 24	182,001	1						
Area 25	305,136	4	76,284	6.16%	17,665	4,416	-1.38	*
Area 26	317,493	6	52,916	28.95%	33,080	5,513	-1.10	*
Area 27	154,232	2	77,116	0.82%	7,325	3,663	-0.91	*
Totals	9,571,403	115***	83,230		590,195	5,132	-27.56	0

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

** Area 14 has more than 45% of its patients coming from outside its service area

*** Does not include the linear accelerator decommissioned by Murphy Medical Center on May 20, 2009.