

2 PCSA Physician Standard Report

Included Counties: Murray, Whitfield

		2006 Actual			2010 Projected		
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians	
Anesthesiology		130,703	7	5.4	140,825	13	
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status	
AMA	13.8	18	Deficit: -11		19	Deficit: -6	
Two Mature HMO	9.7	13	Deficit: -6		14	Deficit: -1	
Adjusted FTE	9.1	12	Deficit: -5		13	Adequate 0	
GMENAC	8.9	12	Deficit: -5		13	Adequate 0	
Kaiser Portland	5.9	8	Deficit: -1		8	Surplus: 5	
7 Kaiser Plans	3.9	5	Surplus: 2		5	Surplus: 8	
GMH Seattle	9.0	12	Deficit: -5		13	Adequate 0	
Three HMOs							
Average Requirement	7.8	10	Deficit: -3		11	Surplus: 2	
		2006 Actual			2010 Projected		
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians	
Cardiovascular Diseases		130,703	6	4.6	140,825	11	
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status	
AMA	7.5	10	Deficit: -4		11	Adequate 0	
Two Mature HMO	5.4	7	Deficit: -1		8	Surplus: 3	
Adjusted FTE	5.0	7	Deficit: -1		7	Surplus: 4	
GMENAC	3.1	4	Surplus: 2		4	Surplus: 7	
Kaiser Portland	3.0	4	Surplus: 2		4	Surplus: 7	
7 Kaiser Plans	1.8	2	Surplus: 4		3	Surplus: 8	
GMH Seattle	2.9	4	Surplus: 2		4	Surplus: 7	
Three HMOs							
Average Requirement	3.5	5	Surplus: 1		5	Surplus: 6	
		2006 Actual			2010 Projected		
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians	
Dermatology		130,703	2	1.5	140,825	4	
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status	
AMA	3.6	5	Deficit: -3		5	Deficit: -1	
Two Mature HMO	2.8	4	Deficit: -2		4	Adequate 0	
Adjusted FTE	2.6	3	Deficit: -1		4	Adequate 0	
GMENAC	2.8	4	Deficit: -2		4	Adequate 0	
Kaiser Portland	2.5	3	Deficit: -1		4	Adequate 0	
7 Kaiser Plans	2.4	3	Deficit: -1		3	Surplus: 1	
GMH Seattle	2.6	3	Deficit: -1		4	Adequate 0	
Three HMOs	1.6	2	Adequate 0		2	Surplus: 2	
Average Requirement	2.5	3	Deficit: -1		4	Adequate 0	

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		2006 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Emergency Medicine		130,703	9	6.9	140,825	16
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status
AMA	10.0	13	Deficit: -4		14	Surplus: 2
Two Mature HMO	5.5	7	Surplus: 2		8	Surplus: 8
Adjusted FTE	5.2	7	Surplus: 2		7	Surplus: 9
GMENAC	5.4	7	Surplus: 2		8	Surplus: 8
Kaiser Portland	6.7	9	Adequate 0		9	Surplus: 7
7 Kaiser Plans	5.3	7	Surplus: 2		7	Surplus: 9
GMH Seattle						
Three HMOs						
Average Requirement	5.6	7	Surplus: 2		8	Surplus: 8
		2006 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Family Practice		130,703	31	23.7	140,825	56
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status
AMA	27.7	36	Deficit: -5		39	Surplus: 17
Two Mature HMO	45.6	60	Deficit: -29		64	Deficit: -8
Adjusted FTE	42.6	56	Deficit: -25		60	Deficit: -4
GMENAC	25.2	33	Deficit: -2		35	Surplus: 21
Kaiser Portland	16.7	22	Surplus: 9		24	Surplus: 32
7 Kaiser Plans	11.0	14	Surplus: 17		15	Surplus: 41
GMH Seattle						
Three HMOs	9.2	12	Surplus: 19		13	Surplus: 43
Average Requirement	25.1	33	Deficit: -2		35	Surplus: 21
		2006 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Gastroenterology		130,703	5	3.8	140,825	9
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status
AMA	4.1	5	Adequate 0		6	Surplus: 3
Two Mature HMO						
Adjusted FTE						
GMENAC						
Kaiser Portland						
7 Kaiser Plans						
GMH Seattle						
Three HMOs						
Average Requirement						

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		2006 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Internal Medicine		130,703	29	22.2	140,825	52
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status
AMA	52.0	68	Deficit: -39		73	Deficit: -21
Two Mature HMO	21.4	28	Surplus: 1		30	Surplus: 22
Adjusted FTE	20.0	26	Surplus: 3		28	Surplus: 24
GMENAC	28.8	38	Deficit: -9		41	Surplus: 11
Kaiser Portland	28.1	37	Deficit: -8		40	Surplus: 12
7 Kaiser Plans	30.3	40	Deficit: -11		43	Surplus: 9
GMH Seattle						
Three HMOs	16.7	22	Surplus: 7		24	Surplus: 28
Average Requirement	24.2	32	Deficit: -3		34	Surplus: 18
		2006 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Nephrology		130,703	4	3.1	140,825	7
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status
AMA	2.5	3	Surplus: 1		4	Surplus: 3
Two Mature HMO	1.4	2	Surplus: 2		2	Surplus: 5
Adjusted FTE	1.3	2	Surplus: 2		2	Surplus: 5
GMENAC	1.1	1	Surplus: 3		2	Surplus: 5
Kaiser Portland	0.8	1	Surplus: 3		1	Surplus: 6
7 Kaiser Plans	0.7	1	Surplus: 3		1	Surplus: 6
GMH Seattle	0.9	1	Surplus: 3		1	Surplus: 6
Three HMOs						
Average Requirement	1.0	1	Surplus: 3		1	Surplus: 6
		2006 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Neurological Surgery		130,703	2	1.5	140,825	4
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status
AMA	1.8	2	Adequate 0		3	Surplus: 1
Two Mature HMO	1.1	1	Surplus: 1		2	Surplus: 2
Adjusted FTE	1.0	1	Surplus: 1		1	Surplus: 3
GMENAC	1.1	1	Surplus: 1		2	Surplus: 2
Kaiser Portland	1.4	2	Adequate 0		2	Surplus: 2
7 Kaiser Plans						
GMH Seattle	0.4	1	Surplus: 1		1	Surplus: 3
Three HMOs						
Average Requirement	1.0	1	Surplus: 1		1	Surplus: 3

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		2006 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Neurology		130,703	3	2.3	140,825	5
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status
AMA	4.9	6	Deficit: -3		7	Deficit: -2
Two Mature HMO	2.4	3	Adequate 0		3	Surplus: 2
Adjusted FTE	2.3	3	Adequate 0		3	Surplus: 2
GMENAC	3.3	4	Deficit: -1		5	Adequate 0
Kaiser Portland	1.3	2	Surplus: 1		2	Surplus: 3
7 Kaiser Plans	1.7	2	Surplus: 1		2	Surplus: 3
GMH Seattle	1.2	2	Surplus: 1		2	Surplus: 3
Three HMOs						
Average Requirement	2.0	3	Adequate 0		3	Surplus: 2
		2006 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
OB/GYN		130,703	18	13.8	140,825	32
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status
AMA	14.1	18	Adequate 0		20	Surplus: 12
Two Mature HMO	12.1	16	Surplus: 2		17	Surplus: 15
Adjusted FTE	11.3	15	Surplus: 3		16	Surplus: 16
GMENAC	9.9	13	Surplus: 5		14	Surplus: 18
Kaiser Portland	11.6	15	Surplus: 3		16	Surplus: 16
7 Kaiser Plans	11.1	15	Surplus: 3		16	Surplus: 16
GMH Seattle	10.0	13	Surplus: 5		14	Surplus: 18
Three HMOs	8.8	12	Surplus: 6		12	Surplus: 20
Average Requirement	10.7	14	Surplus: 4		15	Surplus: 17
		2006 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Ophthalmology		130,703	6	4.6	140,825	11
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status
AMA	6.0	8	Deficit: -2		8	Surplus: 3
Two Mature HMO	5.9	8	Deficit: -2		8	Surplus: 3
Adjusted FTE	5.5	7	Deficit: -1		8	Surplus: 3
GMENAC	4.6	6	Adequate 0		6	Surplus: 5
Kaiser Portland	2.4	3	Surplus: 3		3	Surplus: 8
7 Kaiser Plans	3.1	4	Surplus: 2		4	Surplus: 7
GMH Seattle	5.0	7	Deficit: -1		7	Surplus: 4
Three HMOs						
Average Requirement	4.4	6	Adequate 0		6	Surplus: 5

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		2006 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Orthopedic Surgery		130,703	7	5.4	140,825	13
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status
AMA	8.1	11	Deficit: -4		11	Surplus: 2
Two Mature HMO	6.8	9	Deficit: -2		10	Surplus: 3
Adjusted FTE	6.4	8	Deficit: -1		9	Surplus: 4
GMENAC	6.0	8	Deficit: -1		8	Surplus: 5
Kaiser Portland	5.9	8	Deficit: -1		8	Surplus: 5
7 Kaiser Plans	4.2	5	Surplus: 2		6	Surplus: 7
GMH Seattle	6.7	9	Deficit: -2		9	Surplus: 4
Three HMOs	3.0	4	Surplus: 3		4	Surplus: 9
Average Requirement	5.6	7	Adequate 0		8	Surplus: 5
		2006 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Otolaryngology		130,703	5	3.8	140,825	9
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status
AMA	3.3	4	Surplus: 1		5	Surplus: 4
Two Mature HMO	3.2	4	Surplus: 1		5	Surplus: 4
Adjusted FTE						
GMENAC	3.2	4	Surplus: 1		5	Surplus: 4
Kaiser Portland	3.4	4	Surplus: 1		5	Surplus: 4
7 Kaiser Plans	2.4	3	Surplus: 2		3	Surplus: 6
GMH Seattle	3.0	4	Surplus: 1		4	Surplus: 5
Three HMOs						
Average Requirement	3.0	4	Surplus: 1		4	Surplus: 5
		2006 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Pathology		130,703	2	1.5	140,825	4
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status		Phys. Need	Status
AMA	6.4	8	Deficit: -6		9	Deficit: -5
Two Mature HMO	1.9	2	Adequate 0		3	Surplus: 1
Adjusted FTE	1.8	2	Adequate 0		3	Surplus: 1
GMENAC	6.4	8	Deficit: -6		9	Deficit: -5
Kaiser Portland	3.3	4	Deficit: -2		5	Deficit: -1
7 Kaiser Plans	1.8	2	Adequate 0		3	Surplus: 1
GMH Seattle						
Three HMOs						
Average Requirement	3.0	4	Deficit: -2		4	Adequate 0

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		2006 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Pediatrics		130,703	19	14.5	140,825	34
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	24.5	32	Deficit: -13	35	Deficit: -1	
Two Mature HMO	16.6	22	Deficit: -3	23	Surplus: 11	
Adjusted FTE	15.5	20	Deficit: -1	22	Surplus: 12	
GMENAC	12.4	16	Surplus: 3	17	Surplus: 17	
Kaiser Portland	11.9	16	Surplus: 3	17	Surplus: 17	
7 Kaiser Plans	16.1	21	Deficit: -2	23	Surplus: 11	
GMH Seattle						
Three HMOs	9.8	13	Surplus: 6	14	Surplus: 20	
Average Requirement	13.7	18	Surplus: 1	19	Surplus: 15	
		2006 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Plastic Surgery		130,703	2	1.5	140,825	4
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	2.4	3	Deficit: -1	3	Surplus: 1	
Two Mature HMO						
Adjusted FTE						
GMENAC	1.1	1	Surplus: 1	2	Surplus: 2	
Kaiser Portland	0.3	0	Surplus: 2	0	Surplus: 4	
7 Kaiser Plans						
GMH Seattle	0.4	1	Surplus: 1	1	Surplus: 3	
Three HMOs						
Average Requirement	0.6	1	Surplus: 1	1	Surplus: 3	
		2006 Actual			2010 Projected	
Physician Specialty		Pop.	Phys.	/100k	Pop.	Physicians
Psychiatry		130,703	14	10.7	140,825	25
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status	
AMA	13.8	18	Deficit: -4	19	Surplus: 6	
Two Mature HMO	7.7	10	Surplus: 4	11	Surplus: 14	
Adjusted FTE	7.2	9	Surplus: 5	10	Surplus: 15	
GMENAC	15.4	20	Deficit: -6	22	Surplus: 3	
Kaiser Portland	5.2	7	Surplus: 7	7	Surplus: 18	
7 Kaiser Plans	4.1	5	Surplus: 9	6	Surplus: 19	
GMH Seattle						
Three HMOs						
Average Requirement	7.1	9	Surplus: 5	10	Surplus: 15	

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				2006 Actual			2010 Projected		
Physician Specialty				Pop.	Phys.	/100k	Pop.	Physicians	
Pulmonary Diseases				130,703	3	2.3	140,825	5	
National Physician Standards		Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status			
AMA		3.4	4	Deficit: -1	5	Adequate	0		
Two Mature HMO		2.0	3	Adequate	0	3	Surplus:	2	
Adjusted FTE		1.9	2	Surplus:	1	3	Surplus:	2	
GMENAC		1.4	2	Surplus:	1	2	Surplus:	3	
Kaiser Portland		1.4	2	Surplus:	1	2	Surplus:	3	
7 Kaiser Plans		1.0	1	Surplus:	2	1	Surplus:	4	
GMH Seattle		1.4	2	Surplus:	1	2	Surplus:	3	
Three HMOs									
Average Requirement		1.5	2	Surplus:	1	2	Surplus:	3	
				2006 Actual			2010 Projected		
Physician Specialty				Pop.	Phys.	/100k	Pop.	Physicians	
Radiology				130,703	8	6.1	140,825	14	
National Physician Standards		Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status			
AMA		11.2	15	Deficit: -7	16	Deficit: -2			
Two Mature HMO		13.6	18	Deficit: -10	19	Deficit: -5			
Adjusted FTE		13.7	18	Deficit: -10	19	Deficit: -5			
GMENAC		7.7	10	Deficit: -2	11	Surplus: 3			
Kaiser Portland		8.5	11	Deficit: -3	12	Surplus: 2			
7 Kaiser Plans		4.7	6	Surplus: 2	7	Surplus: 7			
GMH Seattle		7.7	10	Deficit: -2	11	Surplus: 3			
Three HMOs									
Average Requirement		9.3	12	Deficit: -4	13	Surplus: 1			
				2006 Actual			2010 Projected		
Physician Specialty				Pop.	Phys.	/100k	Pop.	Physicians	
General Surgery				130,703	9	6.9	140,825	16	
National Physician Standards		Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status			
AMA		12.5	16	Deficit: -7	18	Deficit: -2			
Two Mature HMO		9.4	12	Deficit: -3	13	Surplus: 3			
Adjusted FTE		8.8	12	Deficit: -3	12	Surplus: 4			
GMENAC		9.7	13	Deficit: -4	14	Surplus: 2			
Kaiser Portland		7.0	9	Adequate	0	10	Surplus: 6		
7 Kaiser Plans		6.2	8	Surplus: 1	9	Surplus: 7			
GMH Seattle		5.9	8	Surplus: 1	8	Surplus: 8			
Three HMOs		4.2	5	Surplus: 4	6	Surplus: 10			
Average Requirement		7.3	10	Deficit: -1	10	Surplus: 6			

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Physician Specialty	2006 Actual			2010 Projected	
	Pop.	Phys.	/100k	Pop.	Physicians
Urology	130,703	2	1.5	140,825	4
National Physician Standards	Standard Phys/100,000 Pop.	Phys. Need	Status	Phys. Need	Status
AMA	3.5	5	Deficit: -3	5	Deficit: -1
Two Mature HMO	3.5	5	Deficit: -3	5	Deficit: -1
Adjusted FTE	3.3	4	Deficit: -2	5	Deficit: -1
GMENAC	3.1	4	Deficit: -2	4	Adequate 0
Kaiser Portland	3.3	4	Deficit: -2	5	Deficit: -1
7 Kaiser Plans	2.3	3	Deficit: -1	3	Surplus: 1
GMH Seattle	2.9	4	Deficit: -2	4	Adequate 0
Three HMOs					
Average Requirement	3.1	4	Deficit: -2	4	Adequate 0

Report created by Georgia Board for Physician Workforce, State of Georgia

*Standards are presented as rates per 100,000 population.

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(4) American Osteopathic Association. 1993. 1994 Yearbook and Directory of Osteopathic Physicians. Chicago.

(5) Hart, L., E. Wagner, J. Parzada, A. Nelson, and R. Rosenblah. 1997. Physician Staffing Ratios in Staff- Model HMO's: A Cautionary Tale, Health Affairs 16, no. 1:55-70.

(6) Weiner, J.P. 1994 Forecasting the Effects of Health Reform on U.S. Physician Workforce Requirement. JAMA 272, no. 3:222-230.

(7) Steinwachs, D., J.P. Weiner, S. Shapiro, et al. 1986. A Comparison of the Requirements for Primary Care Physicians in with Projections Made by the Graduate Medical National Advisory Committee. New England Journal of Medicine 314:217-22

(8) Kronick, R., D.C. Goodman, J. Wennberg, and E. Wagner. 1993. The Marketplace in Health Care Reform: The Demographic Limitations of Managed Competition. New England Journal of Medicine 328:1480-152. See also, related NAPS Document 04998.

(9) Vansdow, N.A. The Physician Workforce: Issues for Academic Medical Centers. Forum on the Future of Academic Medicine. December 2, 1996.

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