

2 PCSA Physician Standard Report

Included Counties: Murray, Whitfield

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Allergy & Immunology		130,703	3	2.3	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.4	2	Surplus: 1	2	
Two Mature HMO	1.5	2	Surplus: 1	2	
Adjusted FTE	1.4	2	Surplus: 1	2	
GMENAC	0.8	1	Surplus: 2	1	
Kaiser Portland	1.7	2	Surplus: 1	2	
7 Kaiser Plans	1.2	2	Surplus: 1	2	
GHC Seattle	1.1	1	Surplus: 2	2	
Three HMOs					
Goodman	1.3	2	Surplus: 1	2	
Hicks & Glenn					
Solucient	1.7	2	Surplus: 1	2	
Average Requirement	1.3	2	Surplus: 1	2	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Anesthesiology		130,703	7	5.4	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.0	18	Deficit: -11	20	
Two Mature HMO	9.7	13	Deficit: -6	14	
Adjusted FTE	9.1	12	Deficit: -5	13	
GMENAC	8.9	12	Deficit: -5	13	
Kaiser Portland	5.9	8	Deficit: -1	8	
7 Kaiser Plans	3.9	5	Surplus: 2	5	
GHC Seattle	9.0	12	Deficit: -5	13	
Three HMOs					
Goodman	7.0	9	Deficit: -2	10	
Hicks & Glenn					
Solucient					
Average Requirement	7.6	10	Deficit: -3	11	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Cardiovascular Diseases		130,703	7	5.4	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	7.5	10	Deficit: -3	11	
Two Mature HMO	5.4	7	Adequate 0	8	
Adjusted FTE	5.0	7	Adequate 0	7	
GMENAC	3.1	4	Surplus: 3	4	
Kaiser Portland	3.0	4	Surplus: 3	4	
7 Kaiser Plans	1.8	2	Surplus: 5	3	
GHC Seattle	2.9	4	Surplus: 3	4	
Three HMOs					
Goodman	3.6	5	Surplus: 2	5	
Hicks & Glenn	2.6	3	Surplus: 4	4	
Solucient	4.2	6	Surplus: 1	6	
Average Requirement	3.5	5	Surplus: 2	5	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Dermatology		130,703	5	3.8	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.7	5	Adequate 0	5	
Two Mature HMO	2.8	4	Surplus: 1	4	
Adjusted FTE	2.6	3	Surplus: 2	4	
GMENAC	2.8	4	Surplus: 1	4	
Kaiser Portland	2.5	3	Surplus: 2	4	
7 Kaiser Plans	2.4	3	Surplus: 2	3	
GHC Seattle	2.6	3	Surplus: 2	4	
Three HMOs	1.6	2	Surplus: 3	2	
Goodman	1.4	2	Surplus: 3	2	
Hicks & Glenn	2.1	3	Surplus: 2	3	
Solucient	3.1	4	Surplus: 1	4	
Average Requirement	2.4	3	Surplus: 2	3	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Emergency Medicine		130,703	8	6.1	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	10.5	14	Deficit: -6		15
Two Mature HMO	5.5	7	Surplus: 1		8
Adjusted FTE	5.2	7	Surplus: 1		7
GMENAC	5.4	7	Surplus: 1		8
Kaiser Portland	6.7	9	Deficit: -1		9
7 Kaiser Plans	5.3	7	Surplus: 1		7
GHC Seattle					
Three HMOs					
Goodman	2.7	4	Surplus: 4		4
Hicks & Glenn					
Solucient	12.4	16	Deficit: -8		17
Average Requirement	6.2	8	Adequate 0		9

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Endocrinology, Diabetes & Metabolism		130,703	1	0.8	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	1.8	2	Deficit: -1		3
Two Mature HMO	1.1	1	Adequate 0		2
Adjusted FTE	1.0	1	Adequate 0		1
GMENAC	0.8	1	Adequate 0		1
Kaiser Portland	0.9	1	Adequate 0		1
7 Kaiser Plans	1.1	1	Adequate 0		2
GHC Seattle					
Three HMOs	0.6	1	Adequate 0		1
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.9	1	Adequate 0		1

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Family Practice		130,703	34	26.0	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	41	Deficit: -7	44	
Two Mature HMO	45.6	60	Deficit: -26	64	
Adjusted FTE	42.6	56	Deficit: -22	60	
GMENAC	25.2	33	Surplus: 1	35	
Kaiser Portland	16.7	22	Surplus: 12	24	
7 Kaiser Plans	11.0	14	Surplus: 20	15	
GHC Seattle					
Three HMOs	9.2	12	Surplus: 22	13	
Goodman					
Hicks & Glenn	16.2	21	Surplus: 13	23	
Solucient	22.5	29	Surplus: 5	32	
Average Requirement	23.6	31	Surplus: 3	33	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Gastroenterology		130,703	5	3.8	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	4.2	5	Adequate 0	6	
Two Mature HMO	3.1	4	Surplus: 1	4	
Adjusted FTE					
GMENAC	3.2	4	Surplus: 1	5	
Kaiser Portland	1.7	2	Surplus: 3	2	
7 Kaiser Plans	1.7	2	Surplus: 3	2	
GHC Seattle					
Three HMOs					
Goodman	1.3	2	Surplus: 3	2	
Hicks & Glenn					
Solucient	3.5	5	Adequate 0	5	
Average Requirement	2.4	3	Surplus: 2	3	

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Infectious Disease	130,703	1	0.8	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	2.2	3	Deficit: -2	3
Two Mature HMO	0.7	1	Adequate 0	1
Adjusted FTE	0.6	1	Adequate 0	1
GMENAC	0.9	1	Adequate 0	1
Kaiser Portland	1.2	2	Deficit: -1	2
7 Kaiser Plans	0.7	1	Adequate 0	1
GHC Seattle	0.6	1	Adequate 0	1
Three HMOs				
Goodman				
Hicks & Glenn				
Solucient				
Average Requirement	0.8	1	Adequate 0	1

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Internal Medicine	130,703	27	20.7	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	53.1	69	Deficit: -42	75
Two Mature HMO	21.4	28	Deficit: -1	30
Adjusted FTE	20.0	26	Surplus: 1	28
GMENAC	28.8	38	Deficit: -11	41
Kaiser Portland	28.1	37	Deficit: -10	40
7 Kaiser Plans	30.3	40	Deficit: -13	43
GHC Seattle				
Three HMOs	16.7	22	Surplus: 5	24
Goodman				
Hicks & Glenn	11.3	15	Surplus: 12	16
Solucient	19.0	25	Surplus: 2	27
Average Requirement	22.0	29	Deficit: -2	31

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Nephrology	130,703	4	3.1	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	2.6	3	Surplus: 1	4
Two Mature HMO	1.4	2	Surplus: 2	2
Adjusted FTE	1.3	2	Surplus: 2	2
GMENAC	1.1	1	Surplus: 3	2
Kaiser Portland	0.8	1	Surplus: 3	1
7 Kaiser Plans	0.7	1	Surplus: 3	1
GHC Seattle	0.9	1	Surplus: 3	1
Three HMOs				
Goodman				
Hicks & Glenn				
Solucient	0.7	1	Surplus: 3	1
Average Requirement	1.0	1	Surplus: 3	1

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Neurological Surgery	130,703	2	1.5	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	1.9	2	Adequate 0	3
Two Mature HMO	1.1	1	Surplus: 1	2
Adjusted FTE	1.0	1	Surplus: 1	1
GMENAC	1.1	1	Surplus: 1	2
Kaiser Portland	1.4	2	Adequate 0	2
7 Kaiser Plans				
GHC Seattle	0.4	1	Surplus: 1	1
Three HMOs				
Goodman	0.7	1	Surplus: 1	1
Hicks & Glenn				
Solucient				
Average Requirement	1.0	1	Surplus: 1	1

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Neurology		130,703	3	2.3	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	5.0	7	Deficit: -4	7	
Two Mature HMO	2.4	3	Adequate 0	3	
Adjusted FTE	2.3	3	Adequate 0	3	
GMENAC	3.3	4	Deficit: -1	5	
Kaiser Portland	1.3	2	Surplus: 1	2	
7 Kaiser Plans	1.7	2	Surplus: 1	2	
GHC Seattle	1.2	2	Surplus: 1	2	
Three HMOs					
Goodman	2.1	3	Adequate 0	3	
Hicks & Glenn	1.4	2	Surplus: 1	2	
Solucient	1.8	2	Surplus: 1	3	
Average Requirement	1.9	2	Surplus: 1	3	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
OB/GYN		130,703	19	14.5	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.1	18	Surplus: 1	20	
Two Mature HMO	12.1	16	Surplus: 3	17	
Adjusted FTE	11.3	15	Surplus: 4	16	
GMENAC	9.9	13	Surplus: 6	14	
Kaiser Portland	11.6	15	Surplus: 4	16	
7 Kaiser Plans	11.5	15	Surplus: 4	16	
GHC Seattle	10.0	13	Surplus: 6	14	
Three HMOs	8.8	12	Surplus: 7	12	
Goodman	8.4	11	Surplus: 8	12	
Hicks & Glenn	8.0	10	Surplus: 9	11	
Solucient	10.2	13	Surplus: 6	14	
Average Requirement	10.2	13	Surplus: 6	14	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Ophthalmology		130,703	7	5.4	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	6.0	8	Deficit: -1		8
Two Mature HMO	5.9	8	Deficit: -1		8
Adjusted FTE	5.5	7	Adequate 0		8
GMENAC	4.6	6	Surplus: 1		6
Kaiser Portland	2.4	3	Surplus: 4		3
7 Kaiser Plans	3.1	4	Surplus: 3		4
GHC Seattle	5.0	7	Adequate 0		7
Three HMOs					
Goodman	3.5	5	Surplus: 2		5
Hicks & Glenn	3.2	4	Surplus: 3		5
Solucient	4.7	6	Surplus: 1		7
Average Requirement	4.2	5	Surplus: 2		6

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Orthopedic Surgery		130,703	6	4.6	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	8.3	11	Deficit: -5		12
Two Mature HMO	6.8	9	Deficit: -3		10
Adjusted FTE	6.4	8	Deficit: -2		9
GMENAC	6.0	8	Deficit: -2		8
Kaiser Portland	5.9	8	Deficit: -2		8
7 Kaiser Plans	4.2	5	Surplus: 1		6
GHC Seattle	6.7	9	Deficit: -3		9
Three HMOs	3.0	4	Surplus: 2		4
Goodman	5.9	8	Deficit: -2		8
Hicks & Glenn	4.2	5	Surplus: 1		6
Solucient	6.1	8	Deficit: -2		9
Average Requirement	5.5	7	Deficit: -1		8

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Otolaryngology	130,703	5	3.8	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.4	4	Surplus: 1	5
Two Mature HMO	3.2	4	Surplus: 1	5
Adjusted FTE				
GMENAC	3.2	4	Surplus: 1	5
Kaiser Portland	3.4	4	Surplus: 1	5
7 Kaiser Plans	2.4	3	Surplus: 2	3
GHC Seattle	3.0	4	Surplus: 1	4
Three HMOs				
Goodman				
Hicks & Glenn				
Solucient				
Average Requirement	3.0	4	Surplus: 1	4

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Pathology	130,703	2	1.5	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	6.3	8	Deficit: -6	9
Two Mature HMO	1.9	2	Adequate 0	3
Adjusted FTE	1.8	2	Adequate 0	3
GMENAC	6.4	8	Deficit: -6	9
Kaiser Portland	3.3	4	Deficit: -2	5
7 Kaiser Plans	1.8	2	Adequate 0	3
GHC Seattle				
Three HMOs				
Goodman	4.1	5	Deficit: -3	6
Hicks & Glenn				
Solucient				
Average Requirement	3.2	4	Deficit: -2	5

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Pediatrics		130,703	19	14.5	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	24.9	33	Deficit: -14	35	
Two Mature HMO	16.6	22	Deficit: -3	23	
Adjusted FTE	15.5	20	Deficit: -1	22	
GMENAC	12.4	16	Surplus: 3	17	
Kaiser Portland	11.9	16	Surplus: 3	17	
7 Kaiser Plans	16.0	21	Deficit: -2	23	
GHC Seattle					
Three HMOs	9.8	13	Surplus: 6	14	
Goodman					
Hicks & Glenn	7.6	10	Surplus: 9	11	
Solucient	13.9	18	Surplus: 1	20	
Average Requirement	13.0	17	Surplus: 2	18	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Plastic Surgery		130,703	2	1.5	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.4	3	Deficit: -1	3	
Two Mature HMO					
Adjusted FTE					
GMENAC	1.1	1	Surplus: 1	2	
Kaiser Portland	0.3	0	Surplus: 2	0	
7 Kaiser Plans					
GHC Seattle	0.4	1	Surplus: 1	1	
Three HMOs					
Goodman	1.1	1	Surplus: 1	2	
Hicks & Glenn	2.3	3	Deficit: -1	3	
Solucient	2.2	3	Deficit: -1	3	
Average Requirement	1.2	2	Adequate 0	2	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Psychiatry		130,703	11	8.4	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	13.6	18	Deficit: -7	19	
Two Mature HMO	7.7	10	Surplus: 1	11	
Adjusted FTE	7.2	9	Surplus: 2	10	
GMENAC	15.4	20	Deficit: -9	22	
Kaiser Portland	5.2	7	Surplus: 4	7	
7 Kaiser Plans	4.1	5	Surplus: 6	6	
GHC Seattle					
Three HMOs					
Goodman	7.2	9	Surplus: 2	10	
Hicks & Glenn	3.9	5	Surplus: 6	5	
Solucient	5.7	7	Surplus: 4	8	
Average Requirement	7.1	9	Surplus: 2	10	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Pulmonary Diseases		130,703	3	2.3	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	5	Deficit: -2	5	
Two Mature HMO	2.0	3	Adequate 0	3	
Adjusted FTE	1.9	2	Surplus: 1	3	
GMENAC	1.4	2	Surplus: 1	2	
Kaiser Portland	1.4	2	Surplus: 1	2	
7 Kaiser Plans	1.0	1	Surplus: 2	1	
GHC Seattle	1.4	2	Surplus: 1	2	
Three HMOs					
Goodman	1.4	2	Surplus: 1	2	
Hicks & Glenn					
Solucient	1.3	2	Surplus: 1	2	
Average Requirement	1.5	2	Surplus: 1	2	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Radiology		130,703	8	6.1	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	15	Deficit: -7	16	
Two Mature HMO	13.6	18	Deficit: -10	19	
Adjusted FTE	13.7	18	Deficit: -10	19	
GMENAC	7.7	10	Deficit: -2	11	
Kaiser Portland	8.5	11	Deficit: -3	12	
7 Kaiser Plans	4.7	6	Surplus: 2	7	
GHC Seattle	7.7	10	Deficit: -2	11	
Three HMOs					
Goodman	8.0	10	Deficit: -2	11	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	12	Deficit: -4	13	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
General Surgery		130,703	10	7.7	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	12.5	16	Deficit: -6	18	
Two Mature HMO	9.4	12	Deficit: -2	13	
Adjusted FTE	8.8	12	Deficit: -2	12	
GMENAC	9.7	13	Deficit: -3	14	
Kaiser Portland	7.0	9	Surplus: 1	10	
7 Kaiser Plans	6.2	8	Surplus: 2	9	
GHC Seattle	5.9	8	Surplus: 2	8	
Three HMOs	4.2	5	Surplus: 5	6	
Goodman	9.7	13	Deficit: -3	14	
Hicks & Glenn	4.1	5	Surplus: 5	6	
Solucient	6.0	8	Surplus: 2	8	
Average Requirement	7.1	9	Surplus: 1	10	

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Urology	130,703	4	3.1	140,825
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.5	5	Deficit: -1	5
Two Mature HMO	3.5	5	Deficit: -1	5
Adjusted FTE	3.3	4	Adequate 0	5
GMENAC	3.1	4	Adequate 0	4
Kaiser Portland	3.3	4	Adequate 0	5
7 Kaiser Plans	2.3	3	Surplus: 1	3
GHC Seattle	2.9	4	Adequate 0	4
Three HMOs				
Goodman	2.6	3	Surplus: 1	4
Hicks & Glenn	1.9	2	Surplus: 2	3
Solucient	2.9	4	Adequate 0	4
Average Requirement	2.9	4	Adequate 0	4

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

*Standards are presented as rates per 100,000 population

- (1) McClendon, B., R.Polizer, E. Christain, and E. Fernandez. 1997. Downsizing the Physician Workforce. Public Health Reports. May/June 112:231-239.
- (2) Graduate Medical Education National Advisory Committee Summary Report. 1981. Pub. No. (HRA) 81-651. Washington: Government Printing Office.
- (3) American Medical Association. 1996. Physician Characteristics and Distribution in the US: 1995/1996. Chicago.
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- (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.
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- (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 314:217-222.
- (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.
- (10) Forte, G.J., Dionne, M., Beaulieu, M., and Salsberg, E. Profile of New York State Physicians. Rensselaer, NY: Center for Health Workforce Studies, School of Public Health, SUNY Albany. April 2001.
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