

42 PCSA Physician Standard Report

Included Counties: Heard, Meriwether, Troup

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Anesthesiology	96,379	8	8.3	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	14.0	13	Deficit: -5	14
Two Mature HMO	9.7	9	Deficit: -1	10
Adjusted FTE	9.1	9	Deficit: -1	9
GMENAC	8.9	9	Deficit: -1	9
Kaiser Portland	5.9	6	Surplus: 2	6
7 Kaiser Plans	3.9	4	Surplus: 4	4
GHC Seattle	9.0	9	Deficit: -1	9
Three HMOs				
Goodman	7.0	7	Surplus: 1	7
Hicks & Glenn				
Solucient				
Average Requirement	7.6	7	Surplus: 1	8

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Cardiovascular Diseases	96,379	6	6.2	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	7.5	7	Deficit: -1	7
Two Mature HMO	5.4	5	Surplus: 1	5
Adjusted FTE	5.0	5	Surplus: 1	5
GMENAC	3.1	3	Surplus: 3	3
Kaiser Portland	3.0	3	Surplus: 3	3
7 Kaiser Plans	1.8	2	Surplus: 4	2
GHC Seattle	2.9	3	Surplus: 3	3
Three HMOs				
Goodman	3.6	3	Surplus: 3	4
Hicks & Glenn	2.6	3	Surplus: 3	3
Solucient	4.2	4	Surplus: 2	4
Average Requirement	3.5	3	Surplus: 3	3

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Dermatology		96,379	1	1.0	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.7	4	Deficit: -3	4	
Two Mature HMO	2.8	3	Deficit: -2	3	
Adjusted FTE	2.6	3	Deficit: -2	3	
GMENAC	2.8	3	Deficit: -2	3	
Kaiser Portland	2.5	2	Deficit: -1	2	
7 Kaiser Plans	2.4	2	Deficit: -1	2	
GHC Seattle	2.6	3	Deficit: -2	3	
Three HMOs	1.6	2	Deficit: -1	2	
Goodman	1.4	1	Adequate 0	1	
Hicks & Glenn	2.1	2	Deficit: -1	2	
Solucient	3.1	3	Deficit: -2	3	
Average Requirement	2.4	2	Deficit: -1	2	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Emergency Medicine		96,379	6	6.2	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	10	Deficit: -4	10	
Two Mature HMO	5.5	5	Surplus: 1	5	
Adjusted FTE	5.2	5	Surplus: 1	5	
GMENAC	5.4	5	Surplus: 1	5	
Kaiser Portland	6.7	6	Adequate 0	7	
7 Kaiser Plans	5.3	5	Surplus: 1	5	
GHC Seattle					
Three HMOs					
Goodman	2.7	3	Surplus: 3	3	
Hicks & Glenn					
Solucient	12.4	12	Deficit: -6	12	
Average Requirement	6.2	6	Adequate 0	6	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Family Practice		96,379	15	15.6	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	30	Deficit: -15	31	
Two Mature HMO	45.6	44	Deficit: -29	45	
Adjusted FTE	42.6	41	Deficit: -26	42	
GMENAC	25.2	24	Deficit: -9	25	
Kaiser Portland	16.7	16	Deficit: -1	17	
7 Kaiser Plans	11.0	11	Surplus: 4	11	
GHC Seattle					
Three HMOs	9.2	9	Surplus: 6	9	
Goodman					
Hicks & Glenn	16.2	16	Deficit: -1	16	
Solucient	22.5	22	Deficit: -7	22	
Average Requirement	23.6	23	Deficit: -8	24	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Gastroenterology		96,379	4	4.2	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	4.2	4	Adequate 0	4	
Two Mature HMO	3.1	3	Surplus: 1	3	
Adjusted FTE					
GMENAC	3.2	3	Surplus: 1	3	
Kaiser Portland	1.7	2	Surplus: 2	2	
7 Kaiser Plans	1.7	2	Surplus: 2	2	
GHC Seattle					
Three HMOs					
Goodman	1.3	1	Surplus: 3	1	
Hicks & Glenn					
Solucient	3.5	3	Surplus: 1	3	
Average Requirement	2.4	2	Surplus: 2	2	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Internal Medicine		96,379	21	21.8	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	53.1	51	Deficit: -30		53
Two Mature HMO	21.4	21	Adequate 0		21
Adjusted FTE	20.0	19	Surplus: 2		20
GMENAC	28.8	28	Deficit: -7		29
Kaiser Portland	28.1	27	Deficit: -6		28
7 Kaiser Plans	30.3	29	Deficit: -8		30
GHC Seattle					
Three HMOs	16.7	16	Surplus: 5		17
Goodman					
Hicks & Glenn	11.3	11	Surplus: 10		11
Solucient	19.0	18	Surplus: 3		19
Average Requirement	22.0	21	Adequate 0		22

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Nephrology		96,379	2	2.1	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	2.6	3	Deficit: -1		3
Two Mature HMO	1.4	1	Surplus: 1		1
Adjusted FTE	1.3	1	Surplus: 1		1
GMENAC	1.1	1	Surplus: 1		1
Kaiser Portland	0.8	1	Surplus: 1		1
7 Kaiser Plans	0.7	1	Surplus: 1		1
GHC Seattle	0.9	1	Surplus: 1		1
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient	0.7	1	Surplus: 1		1
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		96,379	2	2.1	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	5.0	5	Deficit: -3	5	
Two Mature HMO	2.4	2	Adequate 0	2	
Adjusted FTE	2.3	2	Adequate 0	2	
GMENAC	3.3	3	Deficit: -1	3	
Kaiser Portland	1.3	1	Surplus: 1	1	
7 Kaiser Plans	1.7	2	Adequate 0	2	
GHC Seattle	1.2	1	Surplus: 1	1	
Three HMOs					
Goodman	2.1	2	Adequate 0	2	
Hicks & Glenn	1.4	1	Surplus: 1	1	
Solucient	1.8	2	Adequate 0	2	
Average Requirement	1.9	2	Adequate 0	2	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
OB/GYN		96,379	11	11.4	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.1	14	Deficit: -3	14	
Two Mature HMO	12.1	12	Deficit: -1	12	
Adjusted FTE	11.3	11	Adequate 0	11	
GMENAC	9.9	10	Surplus: 1	10	
Kaiser Portland	11.6	11	Adequate 0	12	
7 Kaiser Plans	11.5	11	Adequate 0	11	
GHC Seattle	10.0	10	Surplus: 1	10	
Three HMOs	8.8	8	Surplus: 3	9	
Goodman	8.4	8	Surplus: 3	8	
Hicks & Glenn	8.0	8	Surplus: 3	8	
Solucient	10.2	10	Surplus: 1	10	
Average Requirement	10.2	10	Surplus: 1	10	

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Ophthalmology	96,379	2	2.1	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	6.0	6	Deficit: -4	6
Two Mature HMO	5.9	6	Deficit: -4	6
Adjusted FTE	5.5	5	Deficit: -3	5
GMENAC	4.6	4	Deficit: -2	5
Kaiser Portland	2.4	2	Adequate 0	2
7 Kaiser Plans	3.1	3	Deficit: -1	3
GHC Seattle	5.0	5	Deficit: -3	5
Three HMOs				
Goodman	3.5	3	Deficit: -1	3
Hicks & Glenn	3.2	3	Deficit: -1	3
Solucient	4.7	5	Deficit: -3	5
Average Requirement	4.2	4	Deficit: -2	4

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Orthopedic Surgery	96,379	6	6.2	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	8.3	8	Deficit: -2	8
Two Mature HMO	6.8	7	Deficit: -1	7
Adjusted FTE	6.4	6	Adequate 0	6
GMENAC	6.0	6	Adequate 0	6
Kaiser Portland	5.9	6	Adequate 0	6
7 Kaiser Plans	4.2	4	Surplus: 2	4
GHC Seattle	6.7	6	Adequate 0	7
Three HMOs	3.0	3	Surplus: 3	3
Goodman	5.9	6	Adequate 0	6
Hicks & Glenn	4.2	4	Surplus: 2	4
Solucient	6.1	6	Adequate 0	6
Average Requirement	5.5	5	Surplus: 1	5

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Otolaryngology	96,379	2	2.1	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.4	3	Deficit: -1	3
Two Mature HMO	3.2	3	Deficit: -1	3
Adjusted FTE				
GMENAC	3.2	3	Deficit: -1	3
Kaiser Portland	3.4	3	Deficit: -1	3
7 Kaiser Plans	2.4	2	Adequate 0	2
GHC Seattle	3.0	3	Deficit: -1	3
Three HMOs				
Goodman				
Hicks & Glenn				
Solucient				
Average Requirement	3.0	3	Deficit: -1	3

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Pathology	96,379	4	4.2	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	6.3	6	Deficit: -2	6
Two Mature HMO	1.9	2	Surplus: 2	2
Adjusted FTE	1.8	2	Surplus: 2	2
GMENAC	6.4	6	Deficit: -2	6
Kaiser Portland	3.3	3	Surplus: 1	3
7 Kaiser Plans	1.8	2	Surplus: 2	2
GHC Seattle				
Three HMOs				
Goodman	4.1	4	Adequate 0	4
Hicks & Glenn				
Solucient				
Average Requirement	3.2	3	Surplus: 1	3

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Pediatrics	96,379	8	8.3	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	24.9	24	Deficit: -16	25
Two Mature HMO	16.6	16	Deficit: -8	17
Adjusted FTE	15.5	15	Deficit: -7	15
GMENAC	12.4	12	Deficit: -4	12
Kaiser Portland	11.9	11	Deficit: -3	12
7 Kaiser Plans	16.0	15	Deficit: -7	16
GHC Seattle				
Three HMOs	9.8	9	Deficit: -1	10
Goodman				
Hicks & Glenn	7.6	7	Surplus: 1	8
Solucient	13.9	13	Deficit: -5	14
Average Requirement	13.0	13	Deficit: -5	13

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Plastic Surgery	96,379	1	1.0	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	2.4	2	Deficit: -1	2
Two Mature HMO				
Adjusted FTE				
GMENAC	1.1	1	Adequate 0	1
Kaiser Portland	0.3	0	Surplus: 1	0
7 Kaiser Plans				
GHC Seattle	0.4	0	Surplus: 1	0
Three HMOs				
Goodman	1.1	1	Adequate 0	1
Hicks & Glenn	2.3	2	Deficit: -1	2
Solucient	2.2	2	Deficit: -1	2
Average Requirement	1.2	1	Adequate 0	1

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Psychiatry	96,379	11	11.4	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	13.6	13	Deficit: -2	14
Two Mature HMO	7.7	7	Surplus: 4	8
Adjusted FTE	7.2	7	Surplus: 4	7
GMENAC	15.4	15	Deficit: -4	15
Kaiser Portland	5.2	5	Surplus: 6	5
7 Kaiser Plans	4.1	4	Surplus: 7	4
GHC Seattle				
Three HMOs				
Goodman	7.2	7	Surplus: 4	7
Hicks & Glenn	3.9	4	Surplus: 7	4
Solucient	5.7	6	Surplus: 5	6
Average Requirement	7.1	7	Surplus: 4	7

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Pulmonary Diseases	96,379	3	3.1	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.5	3	Adequate 0	3
Two Mature HMO	2.0	2	Surplus: 1	2
Adjusted FTE	1.9	2	Surplus: 1	2
GMENAC	1.4	1	Surplus: 2	1
Kaiser Portland	1.4	1	Surplus: 2	1
7 Kaiser Plans	1.0	1	Surplus: 2	1
GHC Seattle	1.4	1	Surplus: 2	1
Three HMOs				
Goodman	1.4	1	Surplus: 2	1
Hicks & Glenn				
Solucient	1.3	1	Surplus: 2	1
Average Requirement	1.5	1	Surplus: 2	1

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Radiology		96,379	5	5.2	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	11	Deficit: -6	11	
Two Mature HMO	13.6	13	Deficit: -8	14	
Adjusted FTE	13.7	13	Deficit: -8	14	
GMENAC	7.7	7	Deficit: -2	8	
Kaiser Portland	8.5	8	Deficit: -3	8	
7 Kaiser Plans	4.7	5	Adequate 0	5	
GHC Seattle	7.7	7	Deficit: -2	8	
Three HMOs					
Goodman	8.0	8	Deficit: -3	8	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	9	Deficit: -4	9	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
General Surgery		96,379	7	7.3	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	12.5	12	Deficit: -5	12	
Two Mature HMO	9.4	9	Deficit: -2	9	
Adjusted FTE	8.8	8	Deficit: -1	9	
GMENAC	9.7	9	Deficit: -2	10	
Kaiser Portland	7.0	7	Adequate 0	7	
7 Kaiser Plans	6.2	6	Surplus: 1	6	
GHC Seattle	5.9	6	Surplus: 1	6	
Three HMOs	4.2	4	Surplus: 3	4	
Goodman	9.7	9	Deficit: -2	10	
Hicks & Glenn	4.1	4	Surplus: 3	4	
Solucient	6.0	6	Surplus: 1	6	
Average Requirement	7.1	7	Adequate 0	7	

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Urology	96,379	1	1.0	99,630
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.5	3	Deficit: -2	3
Two Mature HMO	3.5	3	Deficit: -2	3
Adjusted FTE	3.3	3	Deficit: -2	3
GMENAC	3.1	3	Deficit: -2	3
Kaiser Portland	3.3	3	Deficit: -2	3
7 Kaiser Plans	2.3	2	Deficit: -1	2
GHC Seattle	2.9	3	Deficit: -2	3
Three HMOs				
Goodman	2.6	3	Deficit: -2	3
Hicks & Glenn	1.9	2	Deficit: -1	2
Solucient	2.9	3	Deficit: -2	3
Average Requirement	2.9	3	Deficit: -2	3

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.
- (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 314:217-222.
- (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.
- (11) A Review of Physician-to-Population Ratios. Merritt Hawkins & Associates. GMENAC, Goodman (Dec. 11, 1996 JAMA), Hicks & Glenn (1989 Journal of Health Care Management), Solucient (2003).
- (12) American Medical Association. Physician Characteristics and Distribution in the US, 2010 Edition; 2010.