

60 PCSA Physician Standard Report

Included Counties: Laurens, Treutlen

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Anesthesiology		53,429	5	9.4	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.0	7	Deficit: -2	8	
Two Mature HMO	9.7	5	Adequate 0	5	
Adjusted FTE	9.1	5	Adequate 0	5	
GMENAC	8.9	5	Adequate 0	5	
Kaiser Portland	5.9	3	Surplus: 2	3	
7 Kaiser Plans	3.9	2	Surplus: 3	2	
GHC Seattle	9.0	5	Adequate 0	5	
Three HMOs					
Goodman	7.0	4	Surplus: 1	4	
Hicks & Glenn					
Solucient					
Average Requirement	7.6	4	Surplus: 1	4	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Cardiovascular Diseases		53,429	3	5.6	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	7.5	4	Deficit: -1	4	
Two Mature HMO	5.4	3	Adequate 0	3	
Adjusted FTE	5.0	3	Adequate 0	3	
GMENAC	3.1	2	Surplus: 1	2	
Kaiser Portland	3.0	2	Surplus: 1	2	
7 Kaiser Plans	1.8	1	Surplus: 2	1	
GHC Seattle	2.9	2	Surplus: 1	2	
Three HMOs					
Goodman	3.6	2	Surplus: 1	2	
Hicks & Glenn	2.6	1	Surplus: 2	1	
Solucient	4.2	2	Surplus: 1	2	
Average Requirement	3.5	2	Surplus: 1	2	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Dermatology		53,429	1	1.9	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.7	2	Deficit: -1	2	
Two Mature HMO	2.8	1	Adequate 0	2	
Adjusted FTE	2.6	1	Adequate 0	1	
GMENAC	2.8	1	Adequate 0	2	
Kaiser Portland	2.5	1	Adequate 0	1	
7 Kaiser Plans	2.4	1	Adequate 0	1	
GHC Seattle	2.6	1	Adequate 0	1	
Three HMOs	1.6	1	Adequate 0	1	
Goodman	1.4	1	Adequate 0	1	
Hicks & Glenn	2.1	1	Adequate 0	1	
Solucient	3.1	2	Deficit: -1	2	
Average Requirement	2.4	1	Adequate 0	1	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Emergency Medicine		53,429	4	7.5	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	6	Deficit: -2	6	
Two Mature HMO	5.5	3	Surplus: 1	3	
Adjusted FTE	5.2	3	Surplus: 1	3	
GMENAC	5.4	3	Surplus: 1	3	
Kaiser Portland	6.7	4	Adequate 0	4	
7 Kaiser Plans	5.3	3	Surplus: 1	3	
GHC Seattle					
Three HMOs					
Goodman	2.7	1	Surplus: 3	1	
Hicks & Glenn					
Solucient	12.4	7	Deficit: -3	7	
Average Requirement	6.2	3	Surplus: 1	3	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Family Practice		53,429	18	33.7	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	17	Surplus: 1	17	
Two Mature HMO	45.6	24	Deficit: -6	25	
Adjusted FTE	42.6	23	Deficit: -5	23	
GMENAC	25.2	13	Surplus: 5	14	
Kaiser Portland	16.7	9	Surplus: 9	9	
7 Kaiser Plans	11.0	6	Surplus: 12	6	
GHC Seattle					
Three HMOs	9.2	5	Surplus: 13	5	
Goodman					
Hicks & Glenn	16.2	9	Surplus: 9	9	
Solucient	22.5	12	Surplus: 6	12	
Average Requirement	23.6	13	Surplus: 5	13	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Gastroenterology		53,429	2	3.7	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	4.2	2	Adequate 0	2	
Two Mature HMO	3.1	2	Adequate 0	2	
Adjusted FTE					
GMENAC	3.2	2	Adequate 0	2	
Kaiser Portland	1.7	1	Surplus: 1	1	
7 Kaiser Plans	1.7	1	Surplus: 1	1	
GHC Seattle					
Three HMOs					
Goodman	1.3	1	Surplus: 1	1	
Hicks & Glenn					
Solucient	3.5	2	Adequate 0	2	
Average Requirement	2.4	1	Surplus: 1	1	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Infectious Disease		53,429	1	1.9	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.2	1	Adequate 0	1	
Two Mature HMO	0.7	0	Surplus: 1	0	
Adjusted FTE	0.6	0	Surplus: 1	0	
GMENAC	0.9	0	Surplus: 1	0	
Kaiser Portland	1.2	1	Adequate 0	1	
7 Kaiser Plans	0.7	0	Surplus: 1	0	
GHC Seattle	0.6	0	Surplus: 1	0	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.8	0	Surplus: 1	0	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Internal Medicine		53,429	23	43.0	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	53.1	28	Deficit: -5	29	
Two Mature HMO	21.4	11	Surplus: 12	12	
Adjusted FTE	20.0	11	Surplus: 12	11	
GMENAC	28.8	15	Surplus: 8	16	
Kaiser Portland	28.1	15	Surplus: 8	15	
7 Kaiser Plans	30.3	16	Surplus: 7	17	
GHC Seattle					
Three HMOs	16.7	9	Surplus: 14	9	
Goodman					
Hicks & Glenn	11.3	6	Surplus: 17	6	
Solucient	19.0	10	Surplus: 13	10	
Average Requirement	22.0	12	Surplus: 11	12	

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Nephrology	53,429	1	1.9	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	2.6	1	Adequate 0	1
Two Mature HMO	1.4	1	Adequate 0	1
Adjusted FTE	1.3	1	Adequate 0	1
GMENAC	1.1	1	Adequate 0	1
Kaiser Portland	0.8	0	Surplus: 1	0
7 Kaiser Plans	0.7	0	Surplus: 1	0
GHC Seattle	0.9	0	Surplus: 1	0
Three HMOs				
Goodman				
Hicks & Glenn				
Solucient	0.7	0	Surplus: 1	0
Average Requirement	1.0	1	Adequate 0	1

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Neurology	53,429	1	1.9	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	5.0	3	Deficit: -2	3
Two Mature HMO	2.4	1	Adequate 0	1
Adjusted FTE	2.3	1	Adequate 0	1
GMENAC	3.3	2	Deficit: -1	2
Kaiser Portland	1.3	1	Adequate 0	1
7 Kaiser Plans	1.7	1	Adequate 0	1
GHC Seattle	1.2	1	Adequate 0	1
Three HMOs				
Goodman	2.1	1	Adequate 0	1
Hicks & Glenn	1.4	1	Adequate 0	1
Solucient	1.8	1	Adequate 0	1
Average Requirement	1.9	1	Adequate 0	1

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
OB/GYN		53,429	8	15.0	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	14.1	8	Adequate 0		8
Two Mature HMO	12.1	6	Surplus: 2		7
Adjusted FTE	11.3	6	Surplus: 2		6
GMENAC	9.9	5	Surplus: 3		5
Kaiser Portland	11.6	6	Surplus: 2		6
7 Kaiser Plans	11.5	6	Surplus: 2		6
GHC Seattle	10.0	5	Surplus: 3		5
Three HMOs	8.8	5	Surplus: 3		5
Goodman	8.4	4	Surplus: 4		5
Hicks & Glenn	8.0	4	Surplus: 4		4
Solucient	10.2	5	Surplus: 3		6
Average Requirement	10.2	5	Surplus: 3		6

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Ophthalmology		53,429	3	5.6	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	6.0	3	Adequate 0		3
Two Mature HMO	5.9	3	Adequate 0		3
Adjusted FTE	5.5	3	Adequate 0		3
GMENAC	4.6	2	Surplus: 1		3
Kaiser Portland	2.4	1	Surplus: 2		1
7 Kaiser Plans	3.1	2	Surplus: 1		2
GHC Seattle	5.0	3	Adequate 0		3
Three HMOs					
Goodman	3.5	2	Surplus: 1		2
Hicks & Glenn	3.2	2	Surplus: 1		2
Solucient	4.7	3	Adequate 0		3
Average Requirement	4.2	2	Surplus: 1		2

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Orthopedic Surgery		53,429	3	5.6	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	8.3	4	Deficit: -1	5	
Two Mature HMO	6.8	4	Deficit: -1	4	
Adjusted FTE	6.4	3	Adequate 0	4	
GMENAC	6.0	3	Adequate 0	3	
Kaiser Portland	5.9	3	Adequate 0	3	
7 Kaiser Plans	4.2	2	Surplus: 1	2	
GHC Seattle	6.7	4	Deficit: -1	4	
Three HMOs	3.0	2	Surplus: 1	2	
Goodman	5.9	3	Adequate 0	3	
Hicks & Glenn	4.2	2	Surplus: 1	2	
Solucient	6.1	3	Adequate 0	3	
Average Requirement	5.5	3	Adequate 0	3	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Otolaryngology		53,429	2	3.7	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.4	2	Adequate 0	2	
Two Mature HMO	3.2	2	Adequate 0	2	
Adjusted FTE					
GMENAC	3.2	2	Adequate 0	2	
Kaiser Portland	3.4	2	Adequate 0	2	
7 Kaiser Plans	2.4	1	Surplus: 1	1	
GHC Seattle	3.0	2	Adequate 0	2	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	3.0	2	Adequate 0	2	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Pathology		53,429	2	3.7	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.3	3	Deficit: -1	3	
Two Mature HMO	1.9	1	Surplus: 1	1	
Adjusted FTE	1.8	1	Surplus: 1	1	
GMENAC	6.4	3	Deficit: -1	4	
Kaiser Portland	3.3	2	Adequate 0	2	
7 Kaiser Plans	1.8	1	Surplus: 1	1	
GHC Seattle					
Three HMOs					
Goodman	4.1	2	Adequate 0	2	
Hicks & Glenn					
Solucient					
Average Requirement	3.2	2	Adequate 0	2	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Pediatrics		53,429	6	11.2	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	24.9	13	Deficit: -7	14	
Two Mature HMO	16.6	9	Deficit: -3	9	
Adjusted FTE	15.5	8	Deficit: -2	8	
GMENAC	12.4	7	Deficit: -1	7	
Kaiser Portland	11.9	6	Adequate 0	7	
7 Kaiser Plans	16.0	9	Deficit: -3	9	
GHC Seattle					
Three HMOs	9.8	5	Surplus: 1	5	
Goodman					
Hicks & Glenn	7.6	4	Surplus: 2	4	
Solucient	13.9	7	Deficit: -1	8	
Average Requirement	13.0	7	Deficit: -1	7	

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Psychiatry	53,429	9	16.8	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	13.6	7	Surplus: 2	7
Two Mature HMO	7.7	4	Surplus: 5	4
Adjusted FTE	7.2	4	Surplus: 5	4
GMENAC	15.4	8	Surplus: 1	8
Kaiser Portland	5.2	3	Surplus: 6	3
7 Kaiser Plans	4.1	2	Surplus: 7	2
GHC Seattle				
Three HMOs				
Goodman	7.2	4	Surplus: 5	4
Hicks & Glenn	3.9	2	Surplus: 7	2
Solucient	5.7	3	Surplus: 6	3
Average Requirement	7.1	4	Surplus: 5	4

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Pulmonary Diseases	53,429	1	1.9	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.5	2	Deficit: -1	2
Two Mature HMO	2.0	1	Adequate 0	1
Adjusted FTE	1.9	1	Adequate 0	1
GMENAC	1.4	1	Adequate 0	1
Kaiser Portland	1.4	1	Adequate 0	1
7 Kaiser Plans	1.0	1	Adequate 0	1
GHC Seattle	1.4	1	Adequate 0	1
Three HMOs				
Goodman	1.4	1	Adequate 0	1
Hicks & Glenn				
Solucient	1.3	1	Adequate 0	1
Average Requirement	1.5	1	Adequate 0	1

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Radiology	53,429	6	11.2	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	11.4	6	Adequate 0	6
Two Mature HMO	13.6	7	Deficit: -1	7
Adjusted FTE	13.7	7	Deficit: -1	8
GMENAC	7.7	4	Surplus: 2	4
Kaiser Portland	8.5	5	Surplus: 1	5
7 Kaiser Plans	4.7	3	Surplus: 3	3
GHC Seattle	7.7	4	Surplus: 2	4
Three HMOs				
Goodman	8.0	4	Surplus: 2	4
Hicks & Glenn				
Solucient				
Average Requirement	9.1	5	Surplus: 1	5

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
General Surgery	53,429	6	11.2	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	12.5	7	Deficit: -1	7
Two Mature HMO	9.4	5	Surplus: 1	5
Adjusted FTE	8.8	5	Surplus: 1	5
GMENAC	9.7	5	Surplus: 1	5
Kaiser Portland	7.0	4	Surplus: 2	4
7 Kaiser Plans	6.2	3	Surplus: 3	3
GHC Seattle	5.9	3	Surplus: 3	3
Three HMOs	4.2	2	Surplus: 4	2
Goodman	9.7	5	Surplus: 1	5
Hicks & Glenn	4.1	2	Surplus: 4	2
Solucient	6.0	3	Surplus: 3	3
Average Requirement	7.1	4	Surplus: 2	4

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Urology	53,429	4	7.5	54,830
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.5	2	Surplus: 2	2
Two Mature HMO	3.5	2	Surplus: 2	2
Adjusted FTE	3.3	2	Surplus: 2	2
GMENAC	3.1	2	Surplus: 2	2
Kaiser Portland	3.3	2	Surplus: 2	2
7 Kaiser Plans	2.3	1	Surplus: 3	1
GHC Seattle	2.9	2	Surplus: 2	2
Three HMOs				
Goodman	2.6	1	Surplus: 3	1
Hicks & Glenn	1.9	1	Surplus: 3	1
Solucient	2.9	2	Surplus: 2	2
Average Requirement	2.9	2	Surplus: 2	2

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.