

37 PCSA Physician Standard Report

Included Counties: Butts, Pike, Spalding

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Anesthesiology	99,583	4	4.0	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	14.0	14	Deficit: -10	15
Two Mature HMO	9.7	10	Deficit: -6	10
Adjusted FTE	9.1	9	Deficit: -5	10
GMENAC	8.9	9	Deficit: -5	10
Kaiser Portland	5.9	6	Deficit: -2	6
7 Kaiser Plans	3.9	4	Adequate 0	4
GHC Seattle	9.0	9	Deficit: -5	10
Three HMOs				
Goodman	7.0	7	Deficit: -3	8
Hicks & Glenn				
Solucient				
Average Requirement	7.6	8	Deficit: -4	8

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Cardiovascular Diseases	99,583	2	2.0	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	7.5	7	Deficit: -5	8
Two Mature HMO	5.4	5	Deficit: -3	6
Adjusted FTE	5.0	5	Deficit: -3	5
GMENAC	3.1	3	Deficit: -1	3
Kaiser Portland	3.0	3	Deficit: -1	3
7 Kaiser Plans	1.8	2	Adequate 0	2
GHC Seattle	2.9	3	Deficit: -1	3
Three HMOs				
Goodman	3.6	4	Deficit: -2	4
Hicks & Glenn	2.6	3	Deficit: -1	3
Solucient	4.2	4	Deficit: -2	5
Average Requirement	3.5	3	Deficit: -1	4

37 PCSA Physician Standard Report

Included Counties: Butts, Pike, Spalding

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Dermatology		99,583	1	1.0	108,025
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	3	
7 Kaiser Plans	2.4	2	Deficit: -1	3	
GHC Seattle	2.6	3	Deficit: -2	3	
Three HMOs	1.6	2	Deficit: -1	2	
Goodman	1.4	1	Adequate 0	2	
Hicks & Glenn	2.1	2	Deficit: -1	2	
Solucient	3.1	3	Deficit: -2	3	
Average Requirement	2.4	2	Deficit: -1	3	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Emergency Medicine		99,583	9	9.0	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	10	Deficit: -1	11	
Two Mature HMO	5.5	5	Surplus: 4	6	
Adjusted FTE	5.2	5	Surplus: 4	6	
GMENAC	5.4	5	Surplus: 4	6	
Kaiser Portland	6.7	7	Surplus: 2	7	
7 Kaiser Plans	5.3	5	Surplus: 4	6	
GHC Seattle					
Three HMOs					
Goodman	2.7	3	Surplus: 6	3	
Hicks & Glenn					
Solucient	12.4	12	Deficit: -3	13	
Average Requirement	6.2	6	Surplus: 3	7	

37 PCSA Physician Standard Report

Included Counties: Butts, Pike, Spalding

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Family Practice		99,583	17	17.1	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	31	Deficit: -14	34	
Two Mature HMO	45.6	45	Deficit: -28	49	
Adjusted FTE	42.6	42	Deficit: -25	46	
GMENAC	25.2	25	Deficit: -8	27	
Kaiser Portland	16.7	17	Adequate 0	18	
7 Kaiser Plans	11.0	11	Surplus: 6	12	
GHC Seattle					
Three HMOs	9.2	9	Surplus: 8	10	
Goodman					
Hicks & Glenn	16.2	16	Surplus: 1	18	
Solucient	22.5	22	Deficit: -5	24	
Average Requirement	23.6	24	Deficit: -7	25	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Gastroenterology		99,583	3	3.0	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	4.2	4	Deficit: -1	5	
Two Mature HMO	3.1	3	Adequate 0	3	
Adjusted FTE					
GMENAC	3.2	3	Adequate 0	3	
Kaiser Portland	1.7	2	Surplus: 1	2	
7 Kaiser Plans	1.7	2	Surplus: 1	2	
GHC Seattle					
Three HMOs					
Goodman	1.3	1	Surplus: 2	1	
Hicks & Glenn					
Solucient	3.5	3	Adequate 0	4	
Average Requirement	2.4	2	Surplus: 1	3	

37 PCSA Physician Standard Report

Included Counties: Butts, Pike, Spalding

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Infectious Disease		99,583	1	1.0	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.2	2	Deficit: -1	2	
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	1	Adequate 0	1	
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	Physician Need	Population
Internal Medicine		99,583	22	22.1	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	53.1	53	Deficit: -31	57	
Two Mature HMO	21.4	21	Surplus: 1	23	
Adjusted FTE	20.0	20	Surplus: 2	22	
GMENAC	28.8	29	Deficit: -7	31	
Kaiser Portland	28.1	28	Deficit: -6	30	
7 Kaiser Plans	30.3	30	Deficit: -8	33	
GHC Seattle					
Three HMOs	16.7	17	Surplus: 5	18	
Goodman					
Hicks & Glenn	11.3	11	Surplus: 11	12	
Solucient	19.0	19	Surplus: 3	21	
Average Requirement	22.0	22	Adequate 0	24	

37 PCSA Physician Standard Report

Included Counties: Butts, Pike, Spalding

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Nephrology	99,583	2	2.0	108,025
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	2
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

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Neurology	99,583	1	1.0	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	5.0	5	Deficit: -4	5
Two Mature HMO	2.4	2	Deficit: -1	3
Adjusted FTE	2.3	2	Deficit: -1	2
GMENAC	3.3	3	Deficit: -2	4
Kaiser Portland	1.3	1	Adequate 0	1
7 Kaiser Plans	1.7	2	Deficit: -1	2
GHC Seattle	1.2	1	Adequate 0	1
Three HMOs				
Goodman	2.1	2	Deficit: -1	2
Hicks & Glenn	1.4	1	Adequate 0	2
Solucient	1.8	2	Deficit: -1	2
Average Requirement	1.9	2	Deficit: -1	2

37 PCSA Physician Standard Report

Included Counties: Butts, Pike, Spalding

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
OB/GYN		99,583	8	8.0	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.1	14	Deficit: -6	15	
Two Mature HMO	12.1	12	Deficit: -4	13	
Adjusted FTE	11.3	11	Deficit: -3	12	
GMENAC	9.9	10	Deficit: -2	11	
Kaiser Portland	11.6	12	Deficit: -4	13	
7 Kaiser Plans	11.5	11	Deficit: -3	12	
GHC Seattle	10.0	10	Deficit: -2	11	
Three HMOs	8.8	9	Deficit: -1	10	
Goodman	8.4	8	Adequate 0	9	
Hicks & Glenn	8.0	8	Adequate 0	9	
Solucient	10.2	10	Deficit: -2	11	
Average Requirement	10.2	10	Deficit: -2	11	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Ophthalmology		99,583	2	2.0	108,025
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	6	
GMENAC	4.6	5	Deficit: -3	5	
Kaiser Portland	2.4	2	Adequate 0	3	
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	4	
Hicks & Glenn	3.2	3	Deficit: -1	3	
Solucient	4.7	5	Deficit: -3	5	
Average Requirement	4.2	4	Deficit: -2	5	

37 PCSA Physician Standard Report

Included Counties: Butts, Pike, Spalding

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Orthopedic Surgery	99,583	2	2.0	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	8.3	8	Deficit: -6	9
Two Mature HMO	6.8	7	Deficit: -5	7
Adjusted FTE	6.4	6	Deficit: -4	7
GMENAC	6.0	6	Deficit: -4	6
Kaiser Portland	5.9	6	Deficit: -4	6
7 Kaiser Plans	4.2	4	Deficit: -2	5
GHC Seattle	6.7	7	Deficit: -5	7
Three HMOs	3.0	3	Deficit: -1	3
Goodman	5.9	6	Deficit: -4	6
Hicks & Glenn	4.2	4	Deficit: -2	5
Solucient	6.1	6	Deficit: -4	7
Average Requirement	5.5	5	Deficit: -3	6

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Otolaryngology	99,583	1	1.0	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.4	3	Deficit: -2	4
Two Mature HMO	3.2	3	Deficit: -2	3
Adjusted FTE				
GMENAC	3.2	3	Deficit: -2	3
Kaiser Portland	3.4	3	Deficit: -2	4
7 Kaiser Plans	2.4	2	Deficit: -1	3
GHC Seattle	3.0	3	Deficit: -2	3
Three HMOs				
Goodman				
Hicks & Glenn				
Solucient				
Average Requirement	3.0	3	Deficit: -2	3

37 PCSA Physician Standard Report

Included Counties: Butts, Pike, Spalding

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Pathology		99,583	1	1.0	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.3	6	Deficit: -5	7	
Two Mature HMO	1.9	2	Deficit: -1	2	
Adjusted FTE	1.8	2	Deficit: -1	2	
GMENAC	6.4	6	Deficit: -5	7	
Kaiser Portland	3.3	3	Deficit: -2	4	
7 Kaiser Plans	1.8	2	Deficit: -1	2	
GHC Seattle					
Three HMOs					
Goodman	4.1	4	Deficit: -3	4	
Hicks & Glenn					
Solucient					
Average Requirement	3.2	3	Deficit: -2	3	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Pediatrics		99,583	12	12.1	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	24.9	25	Deficit: -13	27	
Two Mature HMO	16.6	17	Deficit: -5	18	
Adjusted FTE	15.5	15	Deficit: -3	17	
GMENAC	12.4	12	Adequate 0	13	
Kaiser Portland	11.9	12	Adequate 0	13	
7 Kaiser Plans	16.0	16	Deficit: -4	17	
GHC Seattle					
Three HMOs	9.8	10	Surplus: 2	11	
Goodman					
Hicks & Glenn	7.6	8	Surplus: 4	8	
Solucient	13.9	14	Deficit: -2	15	
Average Requirement	13.0	13	Deficit: -1	14	

37 PCSA Physician Standard Report

Included Counties: Butts, Pike, Spalding

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Psychiatry		99,583	5	5.0	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	13.6	14	Deficit: -9	15	
Two Mature HMO	7.7	8	Deficit: -3	8	
Adjusted FTE	7.2	7	Deficit: -2	8	
GMENAC	15.4	15	Deficit: -10	17	
Kaiser Portland	5.2	5	Adequate 0	6	
7 Kaiser Plans	4.1	4	Surplus: 1	4	
GHC Seattle					
Three HMOs					
Goodman	7.2	7	Deficit: -2	8	
Hicks & Glenn	3.9	4	Surplus: 1	4	
Solucient	5.7	6	Deficit: -1	6	
Average Requirement	7.1	7	Deficit: -2	8	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Pulmonary Diseases		99,583	2	2.0	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	3	Deficit: -1	4	
Two Mature HMO	2.0	2	Adequate 0	2	
Adjusted FTE	1.9	2	Adequate 0	2	
GMENAC	1.4	1	Surplus: 1	2	
Kaiser Portland	1.4	1	Surplus: 1	2	
7 Kaiser Plans	1.0	1	Surplus: 1	1	
GHC Seattle	1.4	1	Surplus: 1	2	
Three HMOs					
Goodman	1.4	1	Surplus: 1	2	
Hicks & Glenn					
Solucient	1.3	1	Surplus: 1	1	
Average Requirement	1.5	1	Surplus: 1	2	

37 PCSA Physician Standard Report

Included Counties: Butts, Pike, Spalding

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Radiology		99,583	7	7.0	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	11	Deficit: -4	12	
Two Mature HMO	13.6	14	Deficit: -7	15	
Adjusted FTE	13.7	14	Deficit: -7	15	
GMENAC	7.7	8	Deficit: -1	8	
Kaiser Portland	8.5	8	Deficit: -1	9	
7 Kaiser Plans	4.7	5	Surplus: 2	5	
GHC Seattle	7.7	8	Deficit: -1	8	
Three HMOs					
Goodman	8.0	8	Deficit: -1	9	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	9	Deficit: -2	10	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
General Surgery		99,583	6	6.0	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	12.5	12	Deficit: -6	14	
Two Mature HMO	9.4	9	Deficit: -3	10	
Adjusted FTE	8.8	9	Deficit: -3	10	
GMENAC	9.7	10	Deficit: -4	10	
Kaiser Portland	7.0	7	Deficit: -1	8	
7 Kaiser Plans	6.2	6	Adequate 0	7	
GHC Seattle	5.9	6	Adequate 0	6	
Three HMOs	4.2	4	Surplus: 2	5	
Goodman	9.7	10	Deficit: -4	10	
Hicks & Glenn	4.1	4	Surplus: 2	4	
Solucient	6.0	6	Adequate 0	6	
Average Requirement	7.1	7	Deficit: -1	8	

37 PCSA Physician Standard Report

Included Counties: Butts, Pike, Spalding

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Urology	99,583	2	2.0	108,025
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.5	3	Deficit: -1	4
Two Mature HMO	3.5	3	Deficit: -1	4
Adjusted FTE	3.3	3	Deficit: -1	4
GMENAC	3.1	3	Deficit: -1	3
Kaiser Portland	3.3	3	Deficit: -1	4
7 Kaiser Plans	2.3	2	Adequate 0	2
GHC Seattle	2.9	3	Deficit: -1	3
Three HMOs				
Goodman	2.6	3	Deficit: -1	3
Hicks & Glenn	1.9	2	Adequate 0	2
Solucient	2.9	3	Deficit: -1	3
Average Requirement	2.9	3	Deficit: -1	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.