

Toombs County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Anesthesiology		27,767	3	10.8	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.0	4	Deficit: -1	4	
Two Mature HMO	9.7	3	Adequate 0	3	
Adjusted FTE	9.1	3	Adequate 0	3	
GMENAC	8.9	2	Surplus: 1	3	
Kaiser Portland	5.9	2	Surplus: 1	1	
7 Kaiser Plans	3.9	1	Surplus: 2	1	
GHC Seattle	9.0	2	Surplus: 1	3	
Three HMOs					
Goodman	7.0	2	Surplus: 1	2	
Hicks & Glenn					
Solucient					
Average Requirement	7.6	2	Surplus: 1	2	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Cardiovascular Diseases		27,767	2	7.2	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	7.5	2	Adequate 0	2	
Two Mature HMO	5.4	1	Surplus: 1	2	
Adjusted FTE	5.0	1	Surplus: 1	2	
GMENAC	3.1	1	Surplus: 1	1	
Kaiser Portland	3.0	1	Surplus: 1	1	
7 Kaiser Plans	1.8	0	Surplus: 2	1	
GHC Seattle	2.9	1	Surplus: 1	1	
Three HMOs					
Goodman	3.6	1	Surplus: 1	1	
Hicks & Glenn	2.6	1	Surplus: 1	1	
Solucient	4.2	1	Surplus: 1	1	
Average Requirement	3.5	1	Surplus: 1	1	

Toombs County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Dermatology		27,767	1	3.6	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.7	1	Adequate 0	1	
Two Mature HMO	2.8	1	Adequate 0	1	
Adjusted FTE	2.6	1	Adequate 0	1	
GMENAC	2.8	1	Adequate 0	1	
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	0	Surplus: 1	0	
Goodman	1.4	0	Surplus: 1	0	
Hicks & Glenn	2.1	1	Adequate 0	1	
Solucient	3.1	1	Adequate 0	1	
Average Requirement	2.4	1	Adequate 0	1	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Emergency Medicine		27,767	1	3.6	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	3	Deficit: -2	3	
Two Mature HMO	5.5	2	Deficit: -1	2	
Adjusted FTE	5.2	1	Adequate 0	2	
GMENAC	5.4	1	Adequate 0	2	
Kaiser Portland	6.7	2	Deficit: -1	2	
7 Kaiser Plans	5.3	1	Adequate 0	2	
GHC Seattle					
Three HMOs					
Goodman	2.7	1	Adequate 0	1	
Hicks & Glenn					
Solucient	12.4	3	Deficit: -2	4	
Average Requirement	6.2	2	Deficit: -1	2	

Toombs County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Family Practice		27,767	7	25.2	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	9	Deficit: -2	10	
Two Mature HMO	45.6	13	Deficit: -6	14	
Adjusted FTE	42.6	12	Deficit: -5	13	
GMENAC	25.2	7	Adequate 0	8	
Kaiser Portland	16.7	5	Surplus: 2	3	
7 Kaiser Plans	11.0	3	Surplus: 4	3	
GHC Seattle					
Three HMOs	9.2	3	Surplus: 4	3	
Goodman					
Hicks & Glenn	16.2	4	Surplus: 3	5	
Solucient	22.5	6	Surplus: 1	7	
Average Requirement	23.6	7	Adequate 0	7	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Internal Medicine		27,767	9	32.4	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	53.1	15	Deficit: -6	16	
Two Mature HMO	21.4	6	Surplus: 3	7	
Adjusted FTE	20.0	6	Surplus: 3	6	
GMENAC	28.8	8	Surplus: 1	9	
Kaiser Portland	28.1	8	Surplus: 1	9	
7 Kaiser Plans	30.3	8	Surplus: 1	9	
GHC Seattle					
Three HMOs	16.7	5	Surplus: 4	5	
Goodman					
Hicks & Glenn	11.3	3	Surplus: 6	3	
Solucient	19.0	5	Surplus: 4	6	
Average Requirement	22.0	6	Surplus: 3	7	

Toombs County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Neurology		27,767	2	7.2	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	5.0	1	Surplus: 1	2	
Two Mature HMO	2.4	1	Surplus: 1	1	
Adjusted FTE	2.3	1	Surplus: 1	1	
GMENAC	3.3	1	Surplus: 1	1	
Kaiser Portland	1.3	0	Surplus: 2	1	
7 Kaiser Plans	1.7	0	Surplus: 2	1	
GHC Seattle	1.2	0	Surplus: 2	0	
Three HMOs					
Goodman	2.1	1	Surplus: 1	1	
Hicks & Glenn	1.4	0	Surplus: 2	0	
Solucient	1.8	0	Surplus: 2	1	
Average Requirement	1.9	1	Surplus: 1	1	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
OB/GYN		27,767	7	25.2	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.1	4	Surplus: 3	4	
Two Mature HMO	12.1	3	Surplus: 4	4	
Adjusted FTE	11.3	3	Surplus: 4	3	
GMENAC	9.9	3	Surplus: 4	3	
Kaiser Portland	11.6	3	Surplus: 4	4	
7 Kaiser Plans	11.5	3	Surplus: 4	4	
GHC Seattle	10.0	3	Surplus: 4	3	
Three HMOs	8.8	2	Surplus: 5	3	
Goodman	8.4	2	Surplus: 5	3	
Hicks & Glenn	8.0	2	Surplus: 5	2	
Solucient	10.2	3	Surplus: 4	3	
Average Requirement	10.2	3	Surplus: 4	3	

Toombs County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Orthopedic Surgery		27,767	3	10.8	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	8.3	2	Surplus: 1	3	
Two Mature HMO	6.8	2	Surplus: 1	2	
Adjusted FTE	6.4	2	Surplus: 1	2	
GMENAC	6.0	2	Surplus: 1	2	
Kaiser Portland	5.9	2	Surplus: 1	1	
7 Kaiser Plans	4.2	1	Surplus: 2	1	
GHC Seattle	6.7	2	Surplus: 1	2	
Three HMOs	3.0	1	Surplus: 2	1	
Goodman	5.9	2	Surplus: 1	2	
Hicks & Glenn	4.2	1	Surplus: 2	1	
Solucient	6.1	2	Surplus: 1	2	
Average Requirement	5.5	2	Surplus: 1	2	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Otolaryngology		27,767	2	7.2	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.4	1	Surplus: 1	1	
Two Mature HMO	3.2	1	Surplus: 1	1	
Adjusted FTE					
GMENAC	3.2	1	Surplus: 1	1	
Kaiser Portland	3.4	1	Surplus: 1	1	
7 Kaiser Plans	2.4	1	Surplus: 1	1	
GHC Seattle	3.0	1	Surplus: 1	1	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	3.0	1	Surplus: 1	1	

Toombs County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Pediatrics		27,767	7	25.2	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	24.9	7	Adequate 0	8	
Two Mature HMO	16.6	5	Surplus: 2	5	
Adjusted FTE	15.5	4	Surplus: 3	5	
GMENAC	12.4	3	Surplus: 4	4	
Kaiser Portland	11.9	3	Surplus: 4	5	
7 Kaiser Plans	16.0	4	Surplus: 3	5	
GHC Seattle					
Three HMOs	9.8	3	Surplus: 4	3	
Goodman					
Hicks & Glenn	7.6	2	Surplus: 5	2	
Solucient	13.9	4	Surplus: 3	4	
Average Requirement	13.0	4	Surplus: 3	4	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Psychiatry		27,767	1	3.6	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	13.6	4	Deficit: -3	4	
Two Mature HMO	7.7	2	Deficit: -1	2	
Adjusted FTE	7.2	2	Deficit: -1	2	
GMENAC	15.4	4	Deficit: -3	5	
Kaiser Portland	5.2	1	Adequate 0	1	
7 Kaiser Plans	4.1	1	Adequate 0	1	
GHC Seattle					
Three HMOs					
Goodman	7.2	2	Deficit: -1	2	
Hicks & Glenn	3.9	1	Adequate 0	1	
Solucient	5.7	2	Deficit: -1	2	
Average Requirement	7.1	2	Deficit: -1	2	

Toombs County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Pulmonary Diseases		27,767	1	3.6	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	1	Adequate 0	1	
Two Mature HMO	2.0	1	Adequate 0	1	
Adjusted FTE	1.9	1	Adequate 0	1	
GMENAC	1.4	0	Surplus: 1	0	
Kaiser Portland	1.4	0	Surplus: 1	0	
7 Kaiser Plans	1.0	0	Surplus: 1	0	
GHC Seattle	1.4	0	Surplus: 1	0	
Three HMOs					
Goodman	1.4	0	Surplus: 1	0	
Hicks & Glenn					
Solucient	1.3	0	Surplus: 1	0	
Average Requirement	1.5	0	Surplus: 1	0	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Radiology		27,767	3	10.8	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	3	Adequate 0	3	
Two Mature HMO	13.6	4	Deficit: -1	4	
Adjusted FTE	13.7	4	Deficit: -1	4	
GMENAC	7.7	2	Surplus: 1	2	
Kaiser Portland	8.5	2	Surplus: 1	1	
7 Kaiser Plans	4.7	1	Surplus: 2	1	
GHC Seattle	7.7	2	Surplus: 1	2	
Three HMOs					
Goodman	8.0	2	Surplus: 1	2	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	3	Adequate 0	3	

Toombs County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
General Surgery		27,767	3	10.8	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	12.5	3	Adequate 0	4	
Two Mature HMO	9.4	3	Adequate 0	3	
Adjusted FTE	8.8	2	Surplus: 1	3	
GMENAC	9.7	3	Adequate 0	3	
Kaiser Portland	7.0	2	Surplus: 1	2	
7 Kaiser Plans	6.2	2	Surplus: 1	2	
GHC Seattle	5.9	2	Surplus: 1	2	
Three HMOs	4.2	1	Surplus: 2	1	
Goodman	9.7	3	Adequate 0	3	
Hicks & Glenn	4.1	1	Surplus: 2	1	
Solucient	6.0	2	Surplus: 1	2	
Average Requirement	7.1	2	Surplus: 1	2	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Thoracic Surgery		27,767	1	3.6	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.5	0	Surplus: 1	0	
Two Mature HMO					
Adjusted FTE					
GMENAC	0.8	0	Surplus: 1	0	
Kaiser Portland	0.1	0	Surplus: 1		
7 Kaiser Plans					
GHC Seattle					
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.5	0	Surplus: 1	0	

Toombs County Physician Standard Report

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Urology	27,767	2	7.2	30,628
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.5	1	Surplus: 1	1
Two Mature HMO	3.5	1	Surplus: 1	1
Adjusted FTE	3.3	1	Surplus: 1	1
GMENAC	3.1	1	Surplus: 1	1
Kaiser Portland	3.3	1	Surplus: 1	1
7 Kaiser Plans	2.3	1	Surplus: 1	1
GHC Seattle	2.9	1	Surplus: 1	1
Three HMOs				
Goodman	2.6	1	Surplus: 1	1
Hicks & Glenn	1.9	1	Surplus: 1	1
Solucient	2.9	1	Surplus: 1	1
Average Requirement	2.9	1	Surplus: 1	1

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.