

Barrow County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Anesthesiology		67,170	2	3.0	90,162
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.0	9	Deficit: -7	13	
Two Mature HMO	9.7	7	Deficit: -5	9	
Adjusted FTE	9.1	6	Deficit: -4	8	
GMENAC	8.9	6	Deficit: -4	8	
Kaiser Portland	5.9	4	Deficit: -2	4	
7 Kaiser Plans	3.9	3	Deficit: -1	4	
GHC Seattle	9.0	6	Deficit: -4	8	
Three HMOs					
Goodman	7.0	5	Deficit: -3	6	
Hicks & Glenn					
Solucient					
Average Requirement	7.6	5	Deficit: -3	7	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Emergency Medicine		67,170	5	7.4	90,162
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	7	Deficit: -2	9	
Two Mature HMO	5.5	4	Surplus: 1	5	
Adjusted FTE	5.2	3	Surplus: 2	5	
GMENAC	5.4	4	Surplus: 1	5	
Kaiser Portland	6.7	5	Adequate 0	5	
7 Kaiser Plans	5.3	4	Surplus: 1	5	
GHC Seattle					
Three HMOs					
Goodman	2.7	2	Surplus: 3	2	
Hicks & Glenn					
Solucient	12.4	8	Deficit: -3	11	
Average Requirement	6.2	4	Surplus: 1	6	

Barrow County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Family Practice		67,170	15	22.3	90,162
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	21	Deficit: -6	28	
Two Mature HMO	45.6	31	Deficit: -16	41	
Adjusted FTE	42.6	29	Deficit: -14	38	
GMENAC	25.2	17	Deficit: -2	23	
Kaiser Portland	16.7	11	Surplus: 4	10	
7 Kaiser Plans	11.0	7	Surplus: 8	10	
GHC Seattle					
Three HMOs	9.2	6	Surplus: 9	8	
Goodman					
Hicks & Glenn	16.2	11	Surplus: 4	15	
Solucient	22.5	15	Adequate 0	20	
Average Requirement	23.6	16	Deficit: -1	21	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Internal Medicine		67,170	5	7.4	90,162
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	53.1	36	Deficit: -31	48	
Two Mature HMO	21.4	14	Deficit: -9	19	
Adjusted FTE	20.0	13	Deficit: -8	18	
GMENAC	28.8	19	Deficit: -14	26	
Kaiser Portland	28.1	19	Deficit: -14	27	
7 Kaiser Plans	30.3	20	Deficit: -15	27	
GHC Seattle					
Three HMOs	16.7	11	Deficit: -6	15	
Goodman					
Hicks & Glenn	11.3	8	Deficit: -3	10	
Solucient	19.0	13	Deficit: -8	17	
Average Requirement	22.0	15	Deficit: -10	20	

Barrow County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
OB/GYN		67,170	1	1.5	90,162
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.1	9	Deficit: -8	13	
Two Mature HMO	12.1	8	Deficit: -7	11	
Adjusted FTE	11.3	8	Deficit: -7	10	
GMENAC	9.9	7	Deficit: -6	9	
Kaiser Portland	11.6	8	Deficit: -7	10	
7 Kaiser Plans	11.5	8	Deficit: -7	10	
GHC Seattle	10.0	7	Deficit: -6	9	
Three HMOs	8.8	6	Deficit: -5	8	
Goodman	8.4	6	Deficit: -5	8	
Hicks & Glenn	8.0	5	Deficit: -4	7	
Solucient	10.2	7	Deficit: -6	9	
Average Requirement	10.2	7	Deficit: -6	9	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Ophthalmology		67,170	1	1.5	90,162
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.0	4	Deficit: -3	5	
Two Mature HMO	5.9	4	Deficit: -3	5	
Adjusted FTE	5.5	4	Deficit: -3	5	
GMENAC	4.6	3	Deficit: -2	4	
Kaiser Portland	2.4	2	Deficit: -1	3	
7 Kaiser Plans	3.1	2	Deficit: -1	3	
GHC Seattle	5.0	3	Deficit: -2	5	
Three HMOs					
Goodman	3.5	2	Deficit: -1	3	
Hicks & Glenn	3.2	2	Deficit: -1	3	
Solucient	4.7	3	Deficit: -2	4	
Average Requirement	4.2	3	Deficit: -2	4	

Barrow County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Orthopedic Surgery		67,170	2	3.0	90,162
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	8.3	6	Deficit: -4	7	
Two Mature HMO	6.8	5	Deficit: -3	6	
Adjusted FTE	6.4	4	Deficit: -2	6	
GMENAC	6.0	4	Deficit: -2	5	
Kaiser Portland	5.9	4	Deficit: -2	4	
7 Kaiser Plans	4.2	3	Deficit: -1	4	
GHC Seattle	6.7	5	Deficit: -3	6	
Three HMOs	3.0	2	Adequate 0	3	
Goodman	5.9	4	Deficit: -2	5	
Hicks & Glenn	4.2	3	Deficit: -1	4	
Solucient	6.1	4	Deficit: -2	6	
Average Requirement	5.5	4	Deficit: -2	5	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Pediatrics		67,170	5	7.4	90,162
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	24.9	17	Deficit: -12	22	
Two Mature HMO	16.6	11	Deficit: -6	15	
Adjusted FTE	15.5	10	Deficit: -5	14	
GMENAC	12.4	8	Deficit: -3	11	
Kaiser Portland	11.9	8	Deficit: -3	14	
7 Kaiser Plans	16.0	11	Deficit: -6	14	
GHC Seattle					
Three HMOs	9.8	7	Deficit: -2	9	
Goodman					
Hicks & Glenn	7.6	5	Adequate 0	7	
Solucient	13.9	9	Deficit: -4	13	
Average Requirement	13.0	9	Deficit: -4	12	

Barrow County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Psychiatry		67,170	2	3.0	90,162
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	13.6	9	Deficit: -7		12
Two Mature HMO	7.7	5	Deficit: -3		7
Adjusted FTE	7.2	5	Deficit: -3		6
GMENAC	15.4	10	Deficit: -8		14
Kaiser Portland	5.2	3	Deficit: -1		4
7 Kaiser Plans	4.1	3	Deficit: -1		4
GHC Seattle					
Three HMOs					
Goodman	7.2	5	Deficit: -3		6
Hicks & Glenn	3.9	3	Deficit: -1		4
Solucient	5.7	4	Deficit: -2		5
Average Requirement	7.1	5	Deficit: -3		6

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Radiology		67,170	3	4.5	90,162
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	11.4	8	Deficit: -5		10
Two Mature HMO	13.6	9	Deficit: -6		12
Adjusted FTE	13.7	9	Deficit: -6		12
GMENAC	7.7	5	Deficit: -2		7
Kaiser Portland	8.5	6	Deficit: -3		4
7 Kaiser Plans	4.7	3	Adequate 0		4
GHC Seattle	7.7	5	Deficit: -2		7
Three HMOs					
Goodman	8.0	5	Deficit: -2		7
Hicks & Glenn					
Solucient					
Average Requirement	9.1	6	Deficit: -3		8

Barrow County Physician Standard Report

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
General Surgery	67,170	2	3.0	90,162
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	12.5	8	Deficit: -6	11
Two Mature HMO	9.4	6	Deficit: -4	8
Adjusted FTE	8.8	6	Deficit: -4	8
GMENAC	9.7	7	Deficit: -5	9
Kaiser Portland	7.0	5	Deficit: -3	6
7 Kaiser Plans	6.2	4	Deficit: -2	6
GHC Seattle	5.9	4	Deficit: -2	5
Three HMOs	4.2	3	Deficit: -1	4
Goodman	9.7	7	Deficit: -5	9
Hicks & Glenn	4.1	3	Deficit: -1	4
Solucient	6.0	4	Deficit: -2	5
Average Requirement	7.1	5	Deficit: -3	6

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.