

## Berrien County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Emergency Medicine</b>		<b>16,690</b>	<b>1</b>	<b>6.0</b>	<b>18,725</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	2	Deficit: -1	2	
Two Mature HMO	5.5	1	Adequate 0	1	
Adjusted FTE	5.2	1	Adequate 0	1	
GMENAC	5.4	1	Adequate 0	1	
Kaiser Portland	6.7	1	Adequate 0	1	
7 Kaiser Plans	5.3	1	Adequate 0	1	
GHC Seattle					
Three HMOs					
Goodman	2.7	0	Surplus: 1	1	
Hicks & Glenn					
Solucient	12.4	2	Deficit: -1	2	
Average Requirement	6.2	1	Adequate 0	1	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Family Practice</b>		<b>16,690</b>	<b>6</b>	<b>35.9</b>	<b>18,725</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	5	Surplus: 1	6	
Two Mature HMO	45.6	8	Deficit: -2	9	
Adjusted FTE	42.6	7	Deficit: -1	8	
GMENAC	25.2	4	Surplus: 2	5	
Kaiser Portland	16.7	3	Surplus: 3	2	
7 Kaiser Plans	11.0	2	Surplus: 4	2	
GHC Seattle					
Three HMOs	9.2	2	Surplus: 4	2	
Goodman					
Hicks & Glenn	16.2	3	Surplus: 3	3	
Solucient	22.5	4	Surplus: 2	4	
Average Requirement	23.6	4	Surplus: 2	4	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Internal Medicine</b>		<b>16,690</b>	<b>1</b>	<b>6.0</b>	<b>18,725</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	53.1	9	Deficit: -8	10	
Two Mature HMO	21.4	4	Deficit: -3	4	
Adjusted FTE	20.0	3	Deficit: -2	4	
GMENAC	28.8	5	Deficit: -4	5	
Kaiser Portland	28.1	5	Deficit: -4	6	
7 Kaiser Plans	30.3	5	Deficit: -4	6	
GHC Seattle					
Three HMOs	16.7	3	Deficit: -2	3	
Goodman					
Hicks & Glenn	11.3	2	Deficit: -1	2	
Solucient	19.0	3	Deficit: -2	4	
Average Requirement	22.0	4	Deficit: -3	4	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Orthopedic Surgery</b>		<b>16,690</b>	<b>1</b>	<b>6.0</b>	<b>18,725</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	8.3	1	Adequate 0	2	
Two Mature HMO	6.8	1	Adequate 0	1	
Adjusted FTE	6.4	1	Adequate 0	1	
GMENAC	6.0	1	Adequate 0	1	
Kaiser Portland	5.9	1	Adequate 0	1	
7 Kaiser Plans	4.2	1	Adequate 0	1	
GHC Seattle	6.7	1	Adequate 0	1	
Three HMOs	3.0	1	Adequate 0	1	
Goodman	5.9	1	Adequate 0	1	
Hicks & Glenn	4.2	1	Adequate 0	1	
Solucient	6.1	1	Adequate 0	1	
Average Requirement	5.5	1	Adequate 0	1	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Psychiatry</b>		<b>16,690</b>	<b>1</b>	<b>6.0</b>	<b>18,725</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	13.6	2	Deficit: -1	3	
Two Mature HMO	7.7	1	Adequate 0	1	
Adjusted FTE	7.2	1	Adequate 0	1	
GMENAC	15.4	3	Deficit: -2	3	
Kaiser Portland	5.2	1	Adequate 0	1	
7 Kaiser Plans	4.1	1	Adequate 0	1	
GHC Seattle					
Three HMOs					
Goodman	7.2	1	Adequate 0	1	
Hicks & Glenn	3.9	1	Adequate 0	1	
Solucient	5.7	1	Adequate 0	1	
Average Requirement	7.1	1	Adequate 0	1	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Radiology</b>		<b>16,690</b>	<b>1</b>	<b>6.0</b>	<b>18,725</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	2	Deficit: -1	2	
Two Mature HMO	13.6	2	Deficit: -1	3	
Adjusted FTE	13.7	2	Deficit: -1	3	
GMENAC	7.7	1	Adequate 0	1	
Kaiser Portland	8.5	1	Adequate 0	1	
7 Kaiser Plans	4.7	1	Adequate 0	1	
GHC Seattle	7.7	1	Adequate 0	1	
Three HMOs					
Goodman	8.0	1	Adequate 0	1	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	2	Deficit: -1	2	

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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.
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- (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.
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- (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.