

## Liberty County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
<b>Anesthesiology</b>		<b>60,542</b>	<b>3</b>	<b>5.0</b>	<b>71,937</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.0	8	Deficit: -5	10	
Two Mature HMO	9.7	6	Deficit: -3	7	
Adjusted FTE	9.1	6	Deficit: -3	7	
GMENAC	8.9	5	Deficit: -2	6	
Kaiser Portland	5.9	4	Deficit: -1	3	
7 Kaiser Plans	3.9	2	Surplus: 1	3	
GHC Seattle	9.0	5	Deficit: -2	6	
Three HMOs					
Goodman	7.0	4	Deficit: -1	5	
Hicks & Glenn					
Solucient					
Average Requirement	7.6	5	Deficit: -2	5	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
<b>Dermatology</b>		<b>60,542</b>	<b>3</b>	<b>5.0</b>	<b>71,937</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.7	2	Surplus: 1	3	
Two Mature HMO	2.8	2	Surplus: 1	2	
Adjusted FTE	2.6	2	Surplus: 1	2	
GMENAC	2.8	2	Surplus: 1	2	
Kaiser Portland	2.5	2	Surplus: 1	2	
7 Kaiser Plans	2.4	1	Surplus: 2	2	
GHC Seattle	2.6	2	Surplus: 1	2	
Three HMOs	1.6	1	Surplus: 2	1	
Goodman	1.4	1	Surplus: 2	1	
Hicks & Glenn	2.1	1	Surplus: 2	2	
Solucient	3.1	2	Surplus: 1	2	
Average Requirement	2.4	1	Surplus: 2	2	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Emergency Medicine</b>		<b>60,542</b>	<b>7</b>	<b>11.6</b>	<b>71,937</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	6	Surplus: 1	8	
Two Mature HMO	5.5	3	Surplus: 4	4	
Adjusted FTE	5.2	3	Surplus: 4	4	
GMENAC	5.4	3	Surplus: 4	4	
Kaiser Portland	6.7	4	Surplus: 3	4	
7 Kaiser Plans	5.3	3	Surplus: 4	4	
GHC Seattle					
Three HMOs					
Goodman	2.7	2	Surplus: 5	2	
Hicks & Glenn					
Solucient	12.4	8	Deficit: -1	9	
Average Requirement	6.2	4	Surplus: 3	4	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Family Practice</b>		<b>60,542</b>	<b>8</b>	<b>13.2</b>	<b>71,937</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	19	Deficit: -11	23	
Two Mature HMO	45.6	28	Deficit: -20	33	
Adjusted FTE	42.6	26	Deficit: -18	31	
GMENAC	25.2	15	Deficit: -7	18	
Kaiser Portland	16.7	10	Deficit: -2	8	
7 Kaiser Plans	11.0	7	Surplus: 1	8	
GHC Seattle					
Three HMOs	9.2	6	Surplus: 2	7	
Goodman					
Hicks & Glenn	16.2	10	Deficit: -2	12	
Solucient	22.5	14	Deficit: -6	16	
Average Requirement	23.6	14	Deficit: -6	17	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Internal Medicine</b>		<b>60,542</b>	<b>11</b>	<b>18.2</b>	<b>71,937</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	53.1	32	Deficit: -21		38
Two Mature HMO	21.4	13	Deficit: -2		15
Adjusted FTE	20.0	12	Deficit: -1		14
GMENAC	28.8	17	Deficit: -6		21
Kaiser Portland	28.1	17	Deficit: -6		22
7 Kaiser Plans	30.3	18	Deficit: -7		22
GHC Seattle					
Three HMOs	16.7	10	Surplus: 1		12
Goodman					
Hicks & Glenn	11.3	7	Surplus: 4		8
Solucient	19.0	12	Deficit: -1		14
Average Requirement	22.0	13	Deficit: -2		16

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Neurology</b>		<b>60,542</b>	<b>1</b>	<b>1.7</b>	<b>71,937</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	5.0	3	Deficit: -2		4
Two Mature HMO	2.4	1	Adequate 0		2
Adjusted FTE	2.3	1	Adequate 0		2
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		2
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
<b>OB/GYN</b>		<b>60,542</b>	<b>5</b>	<b>8.3</b>	<b>71,937</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.1	9	Deficit: -4	10	
Two Mature HMO	12.1	7	Deficit: -2	9	
Adjusted FTE	11.3	7	Deficit: -2	8	
GMENAC	9.9	6	Deficit: -1	7	
Kaiser Portland	11.6	7	Deficit: -2	8	
7 Kaiser Plans	11.5	7	Deficit: -2	8	
GHC Seattle	10.0	6	Deficit: -1	7	
Three HMOs	8.8	5	Adequate 0	6	
Goodman	8.4	5	Adequate 0	6	
Hicks & Glenn	8.0	5	Adequate 0	6	
Solucient	10.2	6	Deficit: -1	7	
Average Requirement	10.2	6	Deficit: -1	7	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Ophthalmology</b>		<b>60,542</b>	<b>1</b>	<b>1.7</b>	<b>71,937</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.0	4	Deficit: -3	4	
Two Mature HMO	5.9	4	Deficit: -3	4	
Adjusted FTE	5.5	3	Deficit: -2	4	
GMENAC	4.6	3	Deficit: -2	3	
Kaiser Portland	2.4	1	Adequate 0	2	
7 Kaiser Plans	3.1	2	Deficit: -1	2	
GHC Seattle	5.0	3	Deficit: -2	4	
Three HMOs					
Goodman	3.5	2	Deficit: -1	3	
Hicks & Glenn	3.2	2	Deficit: -1	2	
Solucient	4.7	3	Deficit: -2	3	
Average Requirement	4.2	3	Deficit: -2	3	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Orthopedic Surgery</b>		<b>60,542</b>	<b>5</b>	<b>8.3</b>	<b>71,937</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	8.3	5	Adequate 0		6
Two Mature HMO	6.8	4	Surplus: 1		5
Adjusted FTE	6.4	4	Surplus: 1		5
GMENAC	6.0	4	Surplus: 1		4
Kaiser Portland	5.9	4	Surplus: 1		3
7 Kaiser Plans	4.2	3	Surplus: 2		3
GHC Seattle	6.7	4	Surplus: 1		5
Three HMOs	3.0	2	Surplus: 3		2
Goodman	5.9	4	Surplus: 1		4
Hicks & Glenn	4.2	3	Surplus: 2		3
Solucient	6.1	4	Surplus: 1		4
Average Requirement	5.5	3	Surplus: 2		4

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Otolaryngology</b>		<b>60,542</b>	<b>2</b>	<b>3.3</b>	<b>71,937</b>
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		2
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
<b>Pathology</b>		<b>60,542</b>	<b>3</b>	<b>5.0</b>	<b>71,937</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	6.3	4	Deficit:	-1	5
Two Mature HMO	1.9	1	Surplus:	2	1
Adjusted FTE	1.8	1	Surplus:	2	1
GMENAC	6.4	4	Deficit:	-1	5
Kaiser Portland	3.3	2	Surplus:	1	1
7 Kaiser Plans	1.8	1	Surplus:	2	1
GHC Seattle					
Three HMOs					
Goodman	4.1	2	Surplus:	1	3
Hicks & Glenn					
Solucient					
Average Requirement	3.2	2	Surplus:	1	2

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
<b>Pediatrics</b>		<b>60,542</b>	<b>13</b>	<b>21.5</b>	<b>71,937</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	24.9	15	Deficit:	-2	18
Two Mature HMO	16.6	10	Surplus:	3	12
Adjusted FTE	15.5	9	Surplus:	4	11
GMENAC	12.4	8	Surplus:	5	9
Kaiser Portland	11.9	7	Surplus:	6	12
7 Kaiser Plans	16.0	10	Surplus:	3	12
GHC Seattle					
Three HMOs	9.8	6	Surplus:	7	7
Goodman					
Hicks & Glenn	7.6	5	Surplus:	8	5
Solucient	13.9	8	Surplus:	5	10
Average Requirement	13.0	8	Surplus:	5	9

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Psychiatry</b>		<b>60,542</b>	<b>3</b>	<b>5.0</b>	<b>71,937</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	13.6	8	Deficit: -5	10	
Two Mature HMO	7.7	5	Deficit: -2	6	
Adjusted FTE	7.2	4	Deficit: -1	5	
GMENAC	15.4	9	Deficit: -6	11	
Kaiser Portland	5.2	3	Adequate 0	3	
7 Kaiser Plans	4.1	2	Surplus: 1	3	
GHC Seattle					
Three HMOs					
Goodman	7.2	4	Deficit: -1	5	
Hicks & Glenn	3.9	2	Surplus: 1	3	
Solucient	5.7	3	Adequate 0	4	
Average Requirement	7.1	4	Deficit: -1	5	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Radiology</b>		<b>60,542</b>	<b>2</b>	<b>3.3</b>	<b>71,937</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	7	Deficit: -5	8	
Two Mature HMO	13.6	8	Deficit: -6	10	
Adjusted FTE	13.7	8	Deficit: -6	10	
GMENAC	7.7	5	Deficit: -3	6	
Kaiser Portland	8.5	5	Deficit: -3	3	
7 Kaiser Plans	4.7	3	Deficit: -1	3	
GHC Seattle	7.7	5	Deficit: -3	6	
Three HMOs					
Goodman	8.0	5	Deficit: -3	6	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	6	Deficit: -4	7	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>General Surgery</b>		<b>60,542</b>	<b>3</b>	<b>5.0</b>	<b>71,937</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	12.5	8	Deficit: -5	9	
Two Mature HMO	9.4	6	Deficit: -3	7	
Adjusted FTE	8.8	5	Deficit: -2	6	
GMENAC	9.7	6	Deficit: -3	7	
Kaiser Portland	7.0	4	Deficit: -1	4	
7 Kaiser Plans	6.2	4	Deficit: -1	4	
GHC Seattle	5.9	4	Deficit: -1	4	
Three HMOs	4.2	3	Adequate 0	3	
Goodman	9.7	6	Deficit: -3	7	
Hicks & Glenn	4.1	2	Surplus: 1	3	
Solucient	6.0	4	Deficit: -1	4	
Average Requirement	7.1	4	Deficit: -1	5	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Urology</b>		<b>60,542</b>	<b>1</b>	<b>1.7</b>	<b>71,937</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	2	Deficit: -1	3	
Two Mature HMO	3.5	2	Deficit: -1	3	
Adjusted FTE	3.3	2	Deficit: -1	2	
GMENAC	3.1	2	Deficit: -1	2	
Kaiser Portland	3.3	2	Deficit: -1	2	
7 Kaiser Plans	2.3	1	Adequate 0	2	
GHC Seattle	2.9	2	Deficit: -1	2	
Three HMOs					
Goodman	2.6	2	Deficit: -1	2	
Hicks & Glenn	1.9	1	Adequate 0	1	
Solucient	2.9	2	Deficit: -1	2	
Average Requirement	2.9	2	Deficit: -1	2	

## Liberty County Physician Standard Report

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. Rosenblat. 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.