

## Bulloch County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
<b>Anesthesiology</b>		<b>66,412</b>	<b>4</b>	<b>6.0</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.0	9	Deficit: -5	11	
Two Mature HMO	9.7	6	Deficit: -2	8	
Adjusted FTE	9.1	6	Deficit: -2	7	
GMENAC	8.9	6	Deficit: -2	7	
Kaiser Portland	5.9	4	Adequate 0	3	
7 Kaiser Plans	3.9	3	Surplus: 1	3	
GHC Seattle	9.0	6	Deficit: -2	7	
Three HMOs					
Goodman	7.0	5	Deficit: -1	6	
Hicks & Glenn					
Solucient					
Average Requirement	7.6	5	Deficit: -1	6	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
<b>Cardiovascular Diseases</b>		<b>66,412</b>	<b>2</b>	<b>3.0</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	7.5	5	Deficit: -3	6	
Two Mature HMO	5.4	4	Deficit: -2	4	
Adjusted FTE	5.0	3	Deficit: -1	4	
GMENAC	3.1	2	Adequate 0	2	
Kaiser Portland	3.0	2	Adequate 0	1	
7 Kaiser Plans	1.8	1	Surplus: 1	1	
GHC Seattle	2.9	2	Adequate 0	2	
Three HMOs					
Goodman	3.6	2	Adequate 0	3	
Hicks & Glenn	2.6	2	Adequate 0	2	
Solucient	4.2	3	Deficit: -1	3	
Average Requirement	3.5	2	Adequate 0	3	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
<b>Dermatology</b>		<b>66,412</b>	<b>1</b>	<b>1.5</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	3.7	2	Deficit:	-1	3
Two Mature HMO	2.8	2	Deficit:	-1	2
Adjusted FTE	2.6	2	Deficit:	-1	2
GMENAC	2.8	2	Deficit:	-1	2
Kaiser Portland	2.5	2	Deficit:	-1	2
7 Kaiser Plans	2.4	2	Deficit:	-1	2
GHC Seattle	2.6	2	Deficit:	-1	2
Three HMOs	1.6	1	Adequate	0	1
Goodman	1.4	1	Adequate	0	1
Hicks & Glenn	2.1	1	Adequate	0	2
Solucient	3.1	2	Deficit:	-1	2
Average Requirement	2.4	2	Deficit:	-1	2

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
<b>Emergency Medicine</b>		<b>66,412</b>	<b>3</b>	<b>4.5</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	10.5	7	Deficit:	-4	8
Two Mature HMO	5.5	4	Deficit:	-1	4
Adjusted FTE	5.2	3	Adequate	0	4
GMENAC	5.4	4	Deficit:	-1	4
Kaiser Portland	6.7	4	Deficit:	-1	4
7 Kaiser Plans	5.3	4	Deficit:	-1	4
GHC Seattle					
Three HMOs					
Goodman	2.7	2	Surplus:	1	2
Hicks & Glenn					
Solucient	12.4	8	Deficit:	-5	10
Average Requirement	6.2	4	Deficit:	-1	5

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Family Practice</b>		<b>66,412</b>	<b>14</b>	<b>21.1</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	21	Deficit: -7	25	
Two Mature HMO	45.6	30	Deficit: -16	36	
Adjusted FTE	42.6	28	Deficit: -14	34	
GMENAC	25.2	17	Deficit: -3	20	
Kaiser Portland	16.7	11	Surplus: 3	9	
7 Kaiser Plans	11.0	7	Surplus: 7	9	
GHC Seattle					
Three HMOs	9.2	6	Surplus: 8	7	
Goodman					
Hicks & Glenn	16.2	11	Surplus: 3	13	
Solucient	22.5	15	Deficit: -1	18	
Average Requirement	23.6	16	Deficit: -2	19	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Gastroenterology</b>		<b>66,412</b>	<b>2</b>	<b>3.0</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	4.2	3	Deficit: -1	3	
Two Mature HMO	3.1	2	Adequate 0	2	
Adjusted FTE					
GMENAC	3.2	2	Adequate 0	3	
Kaiser Portland	1.7	1	Surplus: 1	1	
7 Kaiser Plans	1.7	1	Surplus: 1	1	
GHC Seattle					
Three HMOs					
Goodman	1.3	1	Surplus: 1	1	
Hicks & Glenn					
Solucient	3.5	2	Adequate 0	3	
Average Requirement	2.4	2	Adequate 0	2	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
<b>Internal Medicine</b>		<b>66,412</b>	<b>12</b>	<b>18.1</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	53.1	35	Deficit: -23		42
Two Mature HMO	21.4	14	Deficit: -2		17
Adjusted FTE	20.0	13	Deficit: -1		16
GMENAC	28.8	19	Deficit: -7		23
Kaiser Portland	28.1	19	Deficit: -7		24
7 Kaiser Plans	30.3	20	Deficit: -8		24
GHC Seattle					
Three HMOs	16.7	11	Surplus: 1		13
Goodman					
Hicks & Glenn	11.3	8	Surplus: 4		9
Solucient	19.0	13	Deficit: -1		15
Average Requirement	22.0	15	Deficit: -3		17

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
<b>Nephrology</b>		<b>66,412</b>	<b>2</b>	<b>3.0</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	2.6	2	Adequate 0		2
Two Mature HMO	1.4	1	Surplus: 1		1
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	0	Surplus: 2		1
GHC Seattle	0.9	1	Surplus: 1		1
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient	0.7	0	Surplus: 2		1
Average Requirement	1.0	1	Surplus: 1		1

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Neurological Surgery</b>		<b>66,412</b>	<b>1</b>	<b>1.5</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.9	1	Adequate 0	2	
Two Mature HMO	1.1	1	Adequate 0	1	
Adjusted FTE	1.0	1	Adequate 0	1	
GMENAC	1.1	1	Adequate 0	1	
Kaiser Portland	1.4	1	Adequate 0		
7 Kaiser Plans					
GHC Seattle	0.4	0	Surplus: 1	0	
Three HMOs					
Goodman	0.7	0	Surplus: 1	1	
Hicks & Glenn					
Solucient					
Average Requirement	1.0	1	Adequate 0	1	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Neurology</b>		<b>66,412</b>	<b>1</b>	<b>1.5</b>	<b>78,958</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	2	Deficit: -1	2	
Adjusted FTE	2.3	2	Deficit: -1	2	
GMENAC	3.3	2	Deficit: -1	3	
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	2	

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
<b>OB/GYN</b>	<b>66,412</b>	<b>9</b>	<b>13.6</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	14.1	9	Adequate 0	11
Two Mature HMO	12.1	8	Surplus: 1	10
Adjusted FTE	11.3	8	Surplus: 1	9
GMENAC	9.9	7	Surplus: 2	8
Kaiser Portland	11.6	8	Surplus: 1	9
7 Kaiser Plans	11.5	8	Surplus: 1	9
GHC Seattle	10.0	7	Surplus: 2	8
Three HMOs	8.8	6	Surplus: 3	7
Goodman	8.4	6	Surplus: 3	7
Hicks & Glenn	8.0	5	Surplus: 4	6
Solucient	10.2	7	Surplus: 2	8
Average Requirement	10.2	7	Surplus: 2	8

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
<b>Ophthalmology</b>	<b>66,412</b>	<b>5</b>	<b>7.5</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	6.0	4	Surplus: 1	5
Two Mature HMO	5.9	4	Surplus: 1	5
Adjusted FTE	5.5	4	Surplus: 1	4
GMENAC	4.6	3	Surplus: 2	4
Kaiser Portland	2.4	2	Surplus: 3	2
7 Kaiser Plans	3.1	2	Surplus: 3	2
GHC Seattle	5.0	3	Surplus: 2	4
Three HMOs				
Goodman	3.5	2	Surplus: 3	3
Hicks & Glenn	3.2	2	Surplus: 3	3
Solucient	4.7	3	Surplus: 2	4
Average Requirement	4.2	3	Surplus: 2	3

## Bulloch County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
<b>Orthopedic Surgery</b>		<b>66,412</b>	<b>3</b>	<b>4.5</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	8.3	6	Deficit: -3	7	
Two Mature HMO	6.8	5	Deficit: -2	5	
Adjusted FTE	6.4	4	Deficit: -1	5	
GMENAC	6.0	4	Deficit: -1	5	
Kaiser Portland	5.9	4	Deficit: -1	3	
7 Kaiser Plans	4.2	3	Adequate 0	3	
GHC Seattle	6.7	4	Deficit: -1	5	
Three HMOs	3.0	2	Surplus: 1	2	
Goodman	5.9	4	Deficit: -1	5	
Hicks & Glenn	4.2	3	Adequate 0	3	
Solucient	6.1	4	Deficit: -1	5	
Average Requirement	5.5	4	Deficit: -1	4	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
<b>Otolaryngology</b>		<b>66,412</b>	<b>2</b>	<b>3.0</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.4	2	Adequate 0	3	
Two Mature HMO	3.2	2	Adequate 0	3	
Adjusted FTE					
GMENAC	3.2	2	Adequate 0	3	
Kaiser Portland	3.4	2	Adequate 0	2	
7 Kaiser Plans	2.4	2	Adequate 0	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>66,412</b>	<b>1</b>	<b>1.5</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	6.3	4	Deficit:	-3	5
Two Mature HMO	1.9	1	Adequate	0	2
Adjusted FTE	1.8	1	Adequate	0	1
GMENAC	6.4	4	Deficit:	-3	5
Kaiser Portland	3.3	2	Deficit:	-1	1
7 Kaiser Plans	1.8	1	Adequate	0	1
GHC Seattle					
Three HMOs					
Goodman	4.1	3	Deficit:	-2	3
Hicks & Glenn					
Solucient					
Average Requirement	3.2	2	Deficit:	-1	3

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
<b>Pediatrics</b>		<b>66,412</b>	<b>9</b>	<b>13.6</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	24.9	17	Deficit:	-8	20
Two Mature HMO	16.6	11	Deficit:	-2	13
Adjusted FTE	15.5	10	Deficit:	-1	12
GMENAC	12.4	8	Surplus:	1	10
Kaiser Portland	11.9	8	Surplus:	1	13
7 Kaiser Plans	16.0	11	Deficit:	-2	13
GHC Seattle					
Three HMOs	9.8	7	Surplus:	2	8
Goodman					
Hicks & Glenn	7.6	5	Surplus:	4	6
Solucient	13.9	9	Adequate	0	11
Average Requirement	13.0	9	Adequate	0	10



## Bulloch County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
<b>Psychiatry</b>		<b>66,412</b>	<b>3</b>	<b>4.5</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	13.6	9	Deficit:	-6	11
Two Mature HMO	7.7	5	Deficit:	-2	6
Adjusted FTE	7.2	5	Deficit:	-2	6
GMENAC	15.4	10	Deficit:	-7	12
Kaiser Portland	5.2	3	Adequate	0	3
7 Kaiser Plans	4.1	3	Adequate	0	3
GHC Seattle					
Three HMOs					
Goodman	7.2	5	Deficit:	-2	6
Hicks & Glenn	3.9	3	Adequate	0	3
Solucient	5.7	4	Deficit:	-1	5
Average Requirement	7.1	5	Deficit:	-2	6

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
<b>Pulmonary Diseases</b>		<b>66,412</b>	<b>2</b>	<b>3.0</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	3.5	2	Adequate	0	3
Two Mature HMO	2.0	1	Surplus:	1	2
Adjusted FTE	1.9	1	Surplus:	1	2
GMENAC	1.4	1	Surplus:	1	1
Kaiser Portland	1.4	1	Surplus:	1	1
7 Kaiser Plans	1.0	1	Surplus:	1	1
GHC Seattle	1.4	1	Surplus:	1	1
Three HMOs					
Goodman	1.4	1	Surplus:	1	1
Hicks & Glenn					
Solucient	1.3	1	Surplus:	1	1
Average Requirement	1.5	1	Surplus:	1	1

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
<b>Radiology</b>		<b>66,412</b>	<b>4</b>	<b>6.0</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	8	Deficit: -4	9	
Two Mature HMO	13.6	9	Deficit: -5	11	
Adjusted FTE	13.7	9	Deficit: -5	11	
GMENAC	7.7	5	Deficit: -1	6	
Kaiser Portland	8.5	6	Deficit: -2	4	
7 Kaiser Plans	4.7	3	Surplus: 1	4	
GHC Seattle	7.7	5	Deficit: -1	6	
Three HMOs					
Goodman	8.0	5	Deficit: -1	6	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	6	Deficit: -2	7	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
<b>General Surgery</b>		<b>66,412</b>	<b>4</b>	<b>6.0</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	12.5	8	Deficit: -4	10	
Two Mature HMO	9.4	6	Deficit: -2	7	
Adjusted FTE	8.8	6	Deficit: -2	7	
GMENAC	9.7	6	Deficit: -2	8	
Kaiser Portland	7.0	5	Deficit: -1	5	
7 Kaiser Plans	6.2	4	Adequate 0	5	
GHC Seattle	5.9	4	Adequate 0	5	
Three HMOs	4.2	3	Surplus: 1	3	
Goodman	9.7	6	Deficit: -2	8	
Hicks & Glenn	4.1	3	Surplus: 1	3	
Solucient	6.0	4	Adequate 0	5	
Average Requirement	7.1	5	Deficit: -1	6	

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
<b>Urology</b>	<b>66,412</b>	<b>2</b>	<b>3.0</b>	<b>78,958</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.5	2	Adequate 0	3
Two Mature HMO	3.5	2	Adequate 0	3
Adjusted FTE	3.3	2	Adequate 0	3
GMENAC	3.1	2	Adequate 0	2
Kaiser Portland	3.3	2	Adequate 0	2
7 Kaiser Plans	2.3	2	Adequate 0	2
GHC Seattle	2.9	2	Adequate 0	2
Three HMOs				
Goodman	2.6	2	Adequate 0	2
Hicks & Glenn	1.9	1	Surplus: 1	2
Solucient	2.9	2	Adequate 0	2
Average Requirement	2.9	2	Adequate 0	2

Report created by Georgia Board for Physician Workforce, State of Georgia

\*Standards are presented as rates per 100,000 population

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- (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.
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- (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).
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