

## Douglas County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
<b>Anesthesiology</b>		<b>124,324</b>	<b>7</b>	<b>5.6</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.0	17	Deficit: -10	22	
Two Mature HMO	9.7	12	Deficit: -5	15	
Adjusted FTE	9.1	11	Deficit: -4	15	
GMENAC	8.9	11	Deficit: -4	14	
Kaiser Portland	5.9	7	Adequate 0	6	
7 Kaiser Plans	3.9	5	Surplus: 2	6	
GHC Seattle	9.0	11	Deficit: -4	14	
Three HMOs					
Goodman	7.0	9	Deficit: -2	11	
Hicks & Glenn					
Solucient					
Average Requirement	7.6	9	Deficit: -2	12	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
<b>Cardiovascular Diseases</b>		<b>124,324</b>	<b>4</b>	<b>3.2</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	7.5	9	Deficit: -5	12	
Two Mature HMO	5.4	7	Deficit: -3	9	
Adjusted FTE	5.0	6	Deficit: -2	8	
GMENAC	3.1	4	Adequate 0	5	
Kaiser Portland	3.0	4	Adequate 0	3	
7 Kaiser Plans	1.8	2	Surplus: 2	3	
GHC Seattle	2.9	4	Adequate 0	5	
Three HMOs					
Goodman	3.6	4	Adequate 0	6	
Hicks & Glenn	2.6	3	Surplus: 1	4	
Solucient	4.2	5	Deficit: -1	7	
Average Requirement	3.5	4	Adequate 0	6	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
<b>Dermatology</b>		<b>124,324</b>	<b>2</b>	<b>1.6</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.7	5	Deficit: -3	6	
Two Mature HMO	2.8	3	Deficit: -1	4	
Adjusted FTE	2.6	3	Deficit: -1	4	
GMENAC	2.8	3	Deficit: -1	4	
Kaiser Portland	2.5	3	Deficit: -1	4	
7 Kaiser Plans	2.4	3	Deficit: -1	4	
GHC Seattle	2.6	3	Deficit: -1	4	
Three HMOs	1.6	2	Adequate 0	3	
Goodman	1.4	2	Adequate 0	2	
Hicks & Glenn	2.1	3	Deficit: -1	3	
Solucient	3.1	4	Deficit: -2	5	
Average Requirement	2.4	3	Deficit: -1	4	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
<b>Emergency Medicine</b>		<b>124,324</b>	<b>5</b>	<b>4.0</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	13	Deficit: -8	17	
Two Mature HMO	5.5	7	Deficit: -2	9	
Adjusted FTE	5.2	6	Deficit: -1	8	
GMENAC	5.4	7	Deficit: -2	9	
Kaiser Portland	6.7	8	Deficit: -3	8	
7 Kaiser Plans	5.3	7	Deficit: -2	8	
GHC Seattle					
Three HMOs					
Goodman	2.7	3	Surplus: 2	4	
Hicks & Glenn					
Solucient	12.4	15	Deficit: -10	20	
Average Requirement	6.2	8	Deficit: -3	10	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Family Practice</b>		<b>124,324</b>	<b>20</b>	<b>16.1</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	39	Deficit: -19	50	
Two Mature HMO	45.6	57	Deficit: -37	73	
Adjusted FTE	42.6	53	Deficit: -33	68	
GMENAC	25.2	31	Deficit: -11	40	
Kaiser Portland	16.7	21	Deficit: -1	18	
7 Kaiser Plans	11.0	14	Surplus: 6	18	
GHC Seattle					
Three HMOs	9.2	11	Surplus: 9	15	
Goodman					
Hicks & Glenn	16.2	20	Adequate 0	26	
Solucient	22.5	28	Deficit: -8	36	
Average Requirement	23.6	29	Deficit: -9	38	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Gastroenterology</b>		<b>124,324</b>	<b>3</b>	<b>2.4</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	4.2	5	Deficit: -2	7	
Two Mature HMO	3.1	4	Deficit: -1	5	
Adjusted FTE					
GMENAC	3.2	4	Deficit: -1	5	
Kaiser Portland	1.7	2	Surplus: 1	3	
7 Kaiser Plans	1.7	2	Surplus: 1	3	
GHC Seattle					
Three HMOs					
Goodman	1.3	2	Surplus: 1	2	
Hicks & Glenn					
Solucient	3.5	4	Deficit: -1	6	
Average Requirement	2.4	3	Adequate 0	4	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Internal Medicine</b>		<b>124,324</b>	<b>22</b>	<b>17.7</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	53.1	66	Deficit: -44	85	
Two Mature HMO	21.4	27	Deficit: -5	34	
Adjusted FTE	20.0	25	Deficit: -3	32	
GMENAC	28.8	36	Deficit: -14	46	
Kaiser Portland	28.1	35	Deficit: -13	48	
7 Kaiser Plans	30.3	38	Deficit: -16	48	
GHC Seattle					
Three HMOs	16.7	21	Surplus: 1	27	
Goodman					
Hicks & Glenn	11.3	14	Surplus: 8	18	
Solucient	19.0	24	Deficit: -2	30	
Average Requirement	22.0	27	Deficit: -5	35	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Nephrology</b>		<b>124,324</b>	<b>2</b>	<b>1.6</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.6	3	Deficit: -1	4	
Two Mature HMO	1.4	2	Adequate 0	2	
Adjusted FTE	1.3	2	Adequate 0	2	
GMENAC	1.1	1	Surplus: 1	2	
Kaiser Portland	0.8	1	Surplus: 1	1	
7 Kaiser Plans	0.7	1	Surplus: 1	1	
GHC Seattle	0.9	1	Surplus: 1	1	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient	0.7	1	Surplus: 1	1	
Average Requirement	1.0	1	Surplus: 1	2	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Neurology</b>		<b>124,324</b>	<b>3</b>	<b>2.4</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	5.0	6	Deficit: -3	8	
Two Mature HMO	2.4	3	Adequate 0	4	
Adjusted FTE	2.3	3	Adequate 0	4	
GMENAC	3.3	4	Deficit: -1	5	
Kaiser Portland	1.3	2	Surplus: 1	3	
7 Kaiser Plans	1.7	2	Surplus: 1	3	
GHC Seattle	1.2	1	Surplus: 2	2	
Three HMOs					
Goodman	2.1	3	Adequate 0	3	
Hicks & Glenn	1.4	2	Surplus: 1	2	
Solucient	1.8	2	Surplus: 1	3	
Average Requirement	1.9	2	Surplus: 1	3	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>OB/GYN</b>		<b>124,324</b>	<b>9</b>	<b>7.2</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.1	18	Deficit: -9	23	
Two Mature HMO	12.1	15	Deficit: -6	19	
Adjusted FTE	11.3	14	Deficit: -5	18	
GMENAC	9.9	12	Deficit: -3	16	
Kaiser Portland	11.6	14	Deficit: -5	18	
7 Kaiser Plans	11.5	14	Deficit: -5	18	
GHC Seattle	10.0	12	Deficit: -3	16	
Three HMOs	8.8	11	Deficit: -2	14	
Goodman	8.4	10	Deficit: -1	13	
Hicks & Glenn	8.0	10	Deficit: -1	13	
Solucient	10.2	13	Deficit: -4	16	
Average Requirement	10.2	13	Deficit: -4	16	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Ophthalmology</b>		<b>124,324</b>	<b>6</b>	<b>4.8</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.0	7	Deficit: -1	10	
Two Mature HMO	5.9	7	Deficit: -1	9	
Adjusted FTE	5.5	7	Deficit: -1	9	
GMENAC	4.6	6	Adequate 0	7	
Kaiser Portland	2.4	3	Surplus: 3	5	
7 Kaiser Plans	3.1	4	Surplus: 2	5	
GHC Seattle	5.0	6	Adequate 0	8	
Three HMOs					
Goodman	3.5	4	Surplus: 2	6	
Hicks & Glenn	3.2	4	Surplus: 2	5	
Solucient	4.7	6	Adequate 0	8	
Average Requirement	4.2	5	Surplus: 1	7	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Orthopedic Surgery</b>		<b>124,324</b>	<b>1</b>	<b>0.8</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	8.3	10	Deficit: -9	13	
Two Mature HMO	6.8	8	Deficit: -7	11	
Adjusted FTE	6.4	8	Deficit: -7	10	
GMENAC	6.0	7	Deficit: -6	10	
Kaiser Portland	5.9	7	Deficit: -6	7	
7 Kaiser Plans	4.2	5	Deficit: -4	7	
GHC Seattle	6.7	8	Deficit: -7	11	
Three HMOs	3.0	4	Deficit: -3	5	
Goodman	5.9	7	Deficit: -6	9	
Hicks & Glenn	4.2	5	Deficit: -4	7	
Solucient	6.1	8	Deficit: -7	10	
Average Requirement	5.5	7	Deficit: -6	9	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Otolaryngology</b>		<b>124,324</b>	<b>4</b>	<b>3.2</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.4	4	Adequate 0	5	
Two Mature HMO	3.2	4	Adequate 0	5	
Adjusted FTE					
GMENAC	3.2	4	Adequate 0	5	
Kaiser Portland	3.4	4	Adequate 0	4	
7 Kaiser Plans	2.4	3	Surplus: 1	4	
GHC Seattle	3.0	4	Adequate 0	5	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	3.0	4	Adequate 0	5	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Pathology</b>		<b>124,324</b>	<b>1</b>	<b>0.8</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.3	8	Deficit: -7	10	
Two Mature HMO	1.9	2	Deficit: -1	3	
Adjusted FTE	1.8	2	Deficit: -1	3	
GMENAC	6.4	8	Deficit: -7	10	
Kaiser Portland	3.3	4	Deficit: -3	3	
7 Kaiser Plans	1.8	2	Deficit: -1	3	
GHC Seattle					
Three HMOs					
Goodman	4.1	5	Deficit: -4	7	
Hicks & Glenn					
Solucient					
Average Requirement	3.2	4	Deficit: -3	5	

## Douglas County Physician Standard Report

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
<b>Pediatrics</b>	<b>124,324</b>	<b>23</b>	<b>18.5</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	24.9	31	Deficit: -8	40
Two Mature HMO	16.6	21	Surplus: 2	27
Adjusted FTE	15.5	19	Surplus: 4	25
GMENAC	12.4	15	Surplus: 8	20
Kaiser Portland	11.9	15	Surplus: 8	26
7 Kaiser Plans	16.0	20	Surplus: 3	26
GHC Seattle				
Three HMOs	9.8	12	Surplus: 11	16
Goodman				
Hicks & Glenn	7.6	9	Surplus: 14	12
Solucient	13.9	17	Surplus: 6	22
Average Requirement	13.0	16	Surplus: 7	21

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
<b>Psychiatry</b>	<b>124,324</b>	<b>5</b>	<b>4.0</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	13.6	17	Deficit: -12	22
Two Mature HMO	7.7	10	Deficit: -5	12
Adjusted FTE	7.2	9	Deficit: -4	12
GMENAC	15.4	19	Deficit: -14	25
Kaiser Portland	5.2	6	Deficit: -1	7
7 Kaiser Plans	4.1	5	Adequate 0	7
GHC Seattle				
Three HMOs				
Goodman	7.2	9	Deficit: -4	12
Hicks & Glenn	3.9	5	Adequate 0	6
Solucient	5.7	7	Deficit: -2	9
Average Requirement	7.1	9	Deficit: -4	11



## Douglas County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Pulmonary Diseases</b>		<b>124,324</b>	<b>2</b>	<b>1.6</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	4	Deficit: -2	6	
Two Mature HMO	2.0	2	Adequate 0	3	
Adjusted FTE	1.9	2	Adequate 0	3	
GMENAC	1.4	2	Adequate 0	2	
Kaiser Portland	1.4	2	Adequate 0	2	
7 Kaiser Plans	1.0	1	Surplus: 1	2	
GHC Seattle	1.4	2	Adequate 0	2	
Three HMOs					
Goodman	1.4	2	Adequate 0	2	
Hicks & Glenn					
Solucient	1.3	2	Adequate 0	2	
Average Requirement	1.5	2	Adequate 0	2	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
<b>Radiology</b>		<b>124,324</b>	<b>3</b>	<b>2.4</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	14	Deficit: -11	18	
Two Mature HMO	13.6	17	Deficit: -14	22	
Adjusted FTE	13.7	17	Deficit: -14	22	
GMENAC	7.7	10	Deficit: -7	12	
Kaiser Portland	8.5	11	Deficit: -8	8	
7 Kaiser Plans	4.7	6	Deficit: -3	8	
GHC Seattle	7.7	10	Deficit: -7	12	
Three HMOs					
Goodman	8.0	10	Deficit: -7	13	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	11	Deficit: -8	15	

## Douglas County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>General Surgery</b>		<b>124,324</b>	<b>5</b>	<b>4.0</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	12.5	16	Deficit: -11	20	
Two Mature HMO	9.4	12	Deficit: -7	15	
Adjusted FTE	8.8	11	Deficit: -6	14	
GMENAC	9.7	12	Deficit: -7	15	
Kaiser Portland	7.0	9	Deficit: -4	10	
7 Kaiser Plans	6.2	8	Deficit: -3	10	
GHC Seattle	5.9	7	Deficit: -2	9	
Three HMOs	4.2	5	Adequate 0	7	
Goodman	9.7	12	Deficit: -7	15	
Hicks & Glenn	4.1	5	Adequate 0	7	
Solucient	6.0	7	Deficit: -2	10	
Average Requirement	7.1	9	Deficit: -4	11	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
<b>Thoracic Surgery</b>		<b>124,324</b>	<b>1</b>	<b>0.8</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.5	2	Deficit: -1	2	
Two Mature HMO					
Adjusted FTE					
GMENAC	0.8	1	Adequate 0	1	
Kaiser Portland	0.1	0	Surplus: 1		
7 Kaiser Plans					
GHC Seattle					
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.5	1	Adequate 0	1	

## Douglas County Physician Standard Report

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
<b>Urology</b>	<b>124,324</b>	<b>2</b>	<b>1.6</b>	<b>159,765</b>
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.5	4	Deficit: -2	6
Two Mature HMO	3.5	4	Deficit: -2	6
Adjusted FTE	3.3	4	Deficit: -2	5
GMENAC	3.1	4	Deficit: -2	5
Kaiser Portland	3.3	4	Deficit: -2	4
7 Kaiser Plans	2.3	3	Deficit: -1	4
GHC Seattle	2.9	4	Deficit: -2	5
Three HMOs				
Goodman	2.6	3	Deficit: -1	4
Hicks & Glenn	1.9	2	Adequate 0	3
Solucient	2.9	4	Deficit: -2	5
Average Requirement	2.9	4	Deficit: -2	5

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.
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- (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.
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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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