

Catoosa County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
Allergy & Immunology		62,457	3	4.8	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.4	1	Surplus: 2	1	
Two Mature HMO	1.5	1	Surplus: 2	1	
Adjusted FTE	1.4	1	Surplus: 2	1	
GMENAC	0.8	0	Surplus: 3	1	
Kaiser Portland	1.7	1	Surplus: 2	1	
7 Kaiser Plans	1.2	1	Surplus: 2	1	
GHC Seattle	1.1	1	Surplus: 2	1	
Three HMOs					
Goodman	1.3	1	Surplus: 2	1	
Hicks & Glenn					
Solucient	1.7	1	Surplus: 2	1	
Average Requirement	1.3	1	Surplus: 2	1	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
Anesthesiology		62,457	15	24.0	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.0	9	Surplus: 6	10	
Two Mature HMO	9.7	6	Surplus: 9	7	
Adjusted FTE	9.1	6	Surplus: 9	7	
GMENAC	8.9	6	Surplus: 9	7	
Kaiser Portland	5.9	4	Surplus: 11	3	
7 Kaiser Plans	3.9	2	Surplus: 13	3	
GHC Seattle	9.0	6	Surplus: 9	7	
Three HMOs					
Goodman	7.0	4	Surplus: 11	5	
Hicks & Glenn					
Solucient					
Average Requirement	7.6	5	Surplus: 10	6	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Cardiovascular Diseases		62,457	3	4.8	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	7.5	5	Deficit: -2	6	
Two Mature HMO	5.4	3	Adequate 0	4	
Adjusted FTE	5.0	3	Adequate 0	4	
GMENAC	3.1	2	Surplus: 1	2	
Kaiser Portland	3.0	2	Surplus: 1	1	
7 Kaiser Plans	1.8	1	Surplus: 2	1	
GHC Seattle	2.9	2	Surplus: 1	2	
Three HMOs					
Goodman	3.6	2	Surplus: 1	3	
Hicks & Glenn	2.6	2	Surplus: 1	2	
Solucient	4.2	3	Adequate 0	3	
Average Requirement	3.5	2	Surplus: 1	3	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Emergency Medicine		62,457	4	6.4	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	7	Deficit: -3	8	
Two Mature HMO	5.5	3	Surplus: 1	4	
Adjusted FTE	5.2	3	Surplus: 1	4	
GMENAC	5.4	3	Surplus: 1	4	
Kaiser Portland	6.7	4	Adequate 0	4	
7 Kaiser Plans	5.3	3	Surplus: 1	4	
GHC Seattle					
Three HMOs					
Goodman	2.7	2	Surplus: 2	2	
Hicks & Glenn					
Solucient	12.4	8	Deficit: -4	9	
Average Requirement	6.2	4	Adequate 0	5	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
Family Practice		62,457	24	38.4	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	20	Surplus: 4	23	
Two Mature HMO	45.6	28	Deficit: -4	34	
Adjusted FTE	42.6	27	Deficit: -3	32	
GMENAC	25.2	16	Surplus: 8	19	
Kaiser Portland	16.7	10	Surplus: 14	8	
7 Kaiser Plans	11.0	7	Surplus: 17	8	
GHC Seattle					
Three HMOs	9.2	6	Surplus: 18	7	
Goodman					
Hicks & Glenn	16.2	10	Surplus: 14	12	
Solucient	22.5	14	Surplus: 10	17	
Average Requirement	23.6	15	Surplus: 9	18	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
Gastroenterology		62,457	3	4.8	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	4.2	3	Adequate 0	3	
Two Mature HMO	3.1	2	Surplus: 1	2	
Adjusted FTE					
GMENAC	3.2	2	Surplus: 1	2	
Kaiser Portland	1.7	1	Surplus: 2	1	
7 Kaiser Plans	1.7	1	Surplus: 2	1	
GHC Seattle					
Three HMOs					
Goodman	1.3	1	Surplus: 2	1	
Hicks & Glenn					
Solucient	3.5	2	Surplus: 1	3	
Average Requirement	2.4	1	Surplus: 2	2	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Hematology/Oncology		62,457	1	1.6	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	3.5	2	Deficit:	-1	3
Two Mature HMO	2.5	2	Deficit:	-1	2
Adjusted FTE	2.4	1	Adequate	0	2
GMENAC	3.6	2	Deficit:	-1	3
Kaiser Portland	2.3	1	Adequate	0	1
7 Kaiser Plans	1.8	1	Adequate	0	1
GHC Seattle	1.6	1	Adequate	0	1
Three HMOs	2.6	2	Deficit:	-1	2
Goodman	1.2	1	Adequate	0	1
Hicks & Glenn					
Solucient	1.1	1	Adequate	0	1
Average Requirement	2.1	1	Adequate	0	2

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Infectious Disease		62,457	1	1.6	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	2.2	1	Adequate	0	2
Two Mature HMO	0.7	0	Surplus:	1	1
Adjusted FTE	0.6	0	Surplus:	1	0
GMENAC	0.9	1	Adequate	0	1
Kaiser Portland	1.2	1	Adequate	0	1
7 Kaiser Plans	0.7	0	Surplus:	1	1
GHC Seattle	0.6	0	Surplus:	1	0
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.8	0	Surplus:	1	1

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
Internal Medicine		62,457	10	16.0	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	53.1	33	Deficit: -23		39
Two Mature HMO	21.4	13	Deficit: -3		16
Adjusted FTE	20.0	12	Deficit: -2		15
GMENAC	28.8	18	Deficit: -8		21
Kaiser Portland	28.1	18	Deficit: -8		22
7 Kaiser Plans	30.3	19	Deficit: -9		22
GHC Seattle					
Three HMOs	16.7	10	Adequate 0		12
Goodman					
Hicks & Glenn	11.3	7	Surplus: 3		8
Solucient	19.0	12	Deficit: -2		14
Average Requirement	22.0	14	Deficit: -4		16

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
Nephrology		62,457	1	1.6	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	2.6	2	Deficit: -1		2
Two Mature HMO	1.4	1	Adequate 0		1
Adjusted FTE	1.3	1	Adequate 0		1
GMENAC	1.1	1	Adequate 0		1
Kaiser Portland	0.8	0	Surplus: 1		1
7 Kaiser Plans	0.7	0	Surplus: 1		1
GHC Seattle	0.9	1	Adequate 0		1
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient	0.7	0	Surplus: 1		1
Average Requirement	1.0	1	Adequate 0		1

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Neurology	62,457	2	3.2	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	5.0	3	Deficit: -1	4
Two Mature HMO	2.4	1	Surplus: 1	2
Adjusted FTE	2.3	1	Surplus: 1	2
GMENAC	3.3	2	Adequate 0	2
Kaiser Portland	1.3	1	Surplus: 1	1
7 Kaiser Plans	1.7	1	Surplus: 1	1
GHC Seattle	1.2	1	Surplus: 1	1
Three HMOs				
Goodman	2.1	1	Surplus: 1	2
Hicks & Glenn	1.4	1	Surplus: 1	1
Solucient	1.8	1	Surplus: 1	1
Average Requirement	1.9	1	Surplus: 1	1

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
OB/GYN	62,457	9	14.4	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	14.1	9	Adequate 0	10
Two Mature HMO	12.1	8	Surplus: 1	9
Adjusted FTE	11.3	7	Surplus: 2	8
GMENAC	9.9	6	Surplus: 3	7
Kaiser Portland	11.6	7	Surplus: 2	9
7 Kaiser Plans	11.5	7	Surplus: 2	9
GHC Seattle	10.0	6	Surplus: 3	7
Three HMOs	8.8	5	Surplus: 4	7
Goodman	8.4	5	Surplus: 4	6
Hicks & Glenn	8.0	5	Surplus: 4	6
Solucient	10.2	6	Surplus: 3	8
Average Requirement	10.2	6	Surplus: 3	8

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Ophthalmology		62,457	4	6.4	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.0	4	Adequate 0	4	
Two Mature HMO	5.9	4	Adequate 0	4	
Adjusted FTE	5.5	3	Surplus: 1	4	
GMENAC	4.6	3	Surplus: 1	3	
Kaiser Portland	2.4	1	Surplus: 3	2	
7 Kaiser Plans	3.1	2	Surplus: 2	2	
GHC Seattle	5.0	3	Surplus: 1	4	
Three HMOs					
Goodman	3.5	2	Surplus: 2	3	
Hicks & Glenn	3.2	2	Surplus: 2	2	
Solucient	4.7	3	Surplus: 1	3	
Average Requirement	4.2	3	Surplus: 1	3	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Orthopedic Surgery		62,457	5	8.0	74,174
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	5	
Average Requirement	5.5	3	Surplus: 2	4	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Otolaryngology		62,457	3	4.8	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.4	2	Surplus: 1	3	
Two Mature HMO	3.2	2	Surplus: 1	2	
Adjusted FTE					
GMENAC	3.2	2	Surplus: 1	2	
Kaiser Portland	3.4	2	Surplus: 1	2	
7 Kaiser Plans	2.4	1	Surplus: 2	2	
GHC Seattle	3.0	2	Surplus: 1	2	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	3.0	2	Surplus: 1	2	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Pathology		62,457	6	9.6	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.3	4	Surplus: 2	5	
Two Mature HMO	1.9	1	Surplus: 5	1	
Adjusted FTE	1.8	1	Surplus: 5	1	
GMENAC	6.4	4	Surplus: 2	5	
Kaiser Portland	3.3	2	Surplus: 4	1	
7 Kaiser Plans	1.8	1	Surplus: 5	1	
GHC Seattle					
Three HMOs					
Goodman	4.1	3	Surplus: 3	3	
Hicks & Glenn					
Solucient					
Average Requirement	3.2	2	Surplus: 4	2	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Pediatrics		62,457	9	14.4	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	24.9	16	Deficit: -7	18	
Two Mature HMO	16.6	10	Deficit: -1	12	
Adjusted FTE	15.5	10	Deficit: -1	11	
GMENAC	12.4	8	Surplus: 1	9	
Kaiser Portland	11.9	7	Surplus: 2	12	
7 Kaiser Plans	16.0	10	Deficit: -1	12	
GHC Seattle					
Three HMOs	9.8	6	Surplus: 3	7	
Goodman					
Hicks & Glenn	7.6	5	Surplus: 4	6	
Solucient	13.9	9	Adequate 0	10	
Average Requirement	13.0	8	Surplus: 1	10	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Plastic Surgery		62,457	3	4.8	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.4	1	Surplus: 2	2	
Two Mature HMO					
Adjusted FTE					
GMENAC	1.1	1	Surplus: 2	1	
Kaiser Portland	0.3	0	Surplus: 3		
7 Kaiser Plans					
GHC Seattle	0.4	0	Surplus: 3	0	
Three HMOs					
Goodman	1.1	1	Surplus: 2	1	
Hicks & Glenn	2.3	1	Surplus: 2	2	
Solucient	2.2	1	Surplus: 2	2	
Average Requirement	1.2	1	Surplus: 2	1	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Psychiatry		62,457	7	11.2	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	13.6	8	Deficit: -1	10	
Two Mature HMO	7.7	5	Surplus: 2	6	
Adjusted FTE	7.2	4	Surplus: 3	5	
GMENAC	15.4	10	Deficit: -3	11	
Kaiser Portland	5.2	3	Surplus: 4	3	
7 Kaiser Plans	4.1	3	Surplus: 4	3	
GHC Seattle					
Three HMOs					
Goodman	7.2	4	Surplus: 3	5	
Hicks & Glenn	3.9	2	Surplus: 5	3	
Solucient	5.7	4	Surplus: 3	4	
Average Requirement	7.1	4	Surplus: 3	5	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Pulmonary Diseases		62,457	3	4.8	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	2	Surplus: 1	3	
Two Mature HMO	2.0	1	Surplus: 2	1	
Adjusted FTE	1.9	1	Surplus: 2	1	
GMENAC	1.4	1	Surplus: 2	1	
Kaiser Portland	1.4	1	Surplus: 2	1	
7 Kaiser Plans	1.0	1	Surplus: 2	1	
GHC Seattle	1.4	1	Surplus: 2	1	
Three HMOs					
Goodman	1.4	1	Surplus: 2	1	
Hicks & Glenn					
Solucient	1.3	1	Surplus: 2	1	
Average Requirement	1.5	1	Surplus: 2	1	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Radiology		62,457	9	14.4	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	7	Surplus: 2	8	
Two Mature HMO	13.6	8	Surplus: 1	10	
Adjusted FTE	13.7	9	Adequate 0	10	
GMENAC	7.7	5	Surplus: 4	6	
Kaiser Portland	8.5	5	Surplus: 4	3	
7 Kaiser Plans	4.7	3	Surplus: 6	3	
GHC Seattle	7.7	5	Surplus: 4	6	
Three HMOs					
Goodman	8.0	5	Surplus: 4	6	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	6	Surplus: 3	7	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
General Surgery		62,457	8	12.8	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	12.5	8	Adequate 0	9	
Two Mature HMO	9.4	6	Surplus: 2	7	
Adjusted FTE	8.8	5	Surplus: 3	7	
GMENAC	9.7	6	Surplus: 2	7	
Kaiser Portland	7.0	4	Surplus: 4	5	
7 Kaiser Plans	6.2	4	Surplus: 4	5	
GHC Seattle	5.9	4	Surplus: 4	4	
Three HMOs	4.2	3	Surplus: 5	3	
Goodman	9.7	6	Surplus: 2	7	
Hicks & Glenn	4.1	3	Surplus: 5	3	
Solucient	6.0	4	Surplus: 4	4	
Average Requirement	7.1	4	Surplus: 4	5	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Thoracic Surgery		62,457	2	3.2	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.5	1	Surplus: 1	1	
Two Mature HMO					
Adjusted FTE					
GMENAC	0.8	0	Surplus: 2	1	
Kaiser Portland	0.1	0	Surplus: 2		
7 Kaiser Plans					
GHC Seattle					
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.5	0	Surplus: 2	0	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Urology		62,457	4	6.4	74,174
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	2	Surplus: 2	3	
Two Mature HMO	3.5	2	Surplus: 2	3	
Adjusted FTE	3.3	2	Surplus: 2	2	
GMENAC	3.1	2	Surplus: 2	2	
Kaiser Portland	3.3	2	Surplus: 2	2	
7 Kaiser Plans	2.3	1	Surplus: 3	2	
GHC Seattle	2.9	2	Surplus: 2	2	
Three HMOs					
Goodman	2.6	2	Surplus: 2	2	
Hicks & Glenn	1.9	1	Surplus: 3	1	
Solucient	2.9	2	Surplus: 2	2	
Average Requirement	2.9	2	Surplus: 2	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.
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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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