

Chattanooga MSA Physician Standard Report

Included Counties: Catoosa, Dade, Walker

Physician Specialty	2008 Actual			2015 Projected
	Population	Physician /100k	Status	Population
Allergy & Immunology	138,887	3	2.2	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	1.4	2	Surplus: 1	2
Two Mature HMO	1.5	2	Surplus: 1	2
Adjusted FTE	1.4	2	Surplus: 1	2
GMENAC	0.8	1	Surplus: 2	1
Kaiser Portland	1.7	2	Surplus: 1	3
7 Kaiser Plans	1.2	2	Surplus: 1	2
GHC Seattle	1.1	2	Surplus: 1	2
Three HMOs				
Goodman	1.3	2	Surplus: 1	2
Hicks & Glenn				
Solucient	1.7	2	Surplus: 1	3
Average Requirement	1.3	2	Surplus: 1	2

Physician Specialty	2008 Actual			2015 Projected
	Population	Physician /100k	Status	Population
Anesthesiology	138,887	18	13.0	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	14.0	19	Deficit: -1	21
Two Mature HMO	9.7	13	Surplus: 5	15
Adjusted FTE	9.1	13	Surplus: 5	14
GMENAC	8.9	12	Surplus: 6	13
Kaiser Portland	5.9	8	Surplus: 10	9
7 Kaiser Plans	3.9	5	Surplus: 13	6
GHC Seattle	9.0	12	Surplus: 6	14
Three HMOs				
Goodman	7.0	10	Surplus: 8	11
Hicks & Glenn				
Solucient				
Average Requirement	7.6	11	Surplus: 7	12

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Cardiovascular Diseases		138,887	5	3.6	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	7.5	10	Deficit: -5	11	
Two Mature HMO	5.4	7	Deficit: -2	8	
Adjusted FTE	5.0	7	Deficit: -2	8	
GMENAC	3.1	4	Surplus: 1	5	
Kaiser Portland	3.0	4	Surplus: 1	5	
7 Kaiser Plans	1.8	2	Surplus: 3	3	
GHC Seattle	2.9	4	Surplus: 1	4	
Three HMOs					
Goodman	3.6	5	Adequate 0	5	
Hicks & Glenn	2.6	4	Surplus: 1	4	
Solucient	4.2	6	Deficit: -1	6	
Average Requirement	3.5	5	Adequate 0	5	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Emergency Medicine		138,887	7	5.0	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	15	Deficit: -8	16	
Two Mature HMO	5.5	8	Deficit: -1	8	
Adjusted FTE	5.2	7	Adequate 0	8	
GMENAC	5.4	7	Adequate 0	8	
Kaiser Portland	6.7	9	Deficit: -2	10	
7 Kaiser Plans	5.3	7	Adequate 0	8	
GHC Seattle					
Three HMOs					
Goodman	2.7	4	Surplus: 3	4	
Hicks & Glenn					
Solucient	12.4	17	Deficit: -10	19	
Average Requirement	6.2	9	Deficit: -2	9	

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physician /100k	Status	Population
Family Practice	138,887	49	35.3	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	31.5	44	Surplus: 5	48
Two Mature HMO	45.6	63	Deficit: -14	69
Adjusted FTE	42.6	59	Deficit: -10	64
GMENAC	25.2	35	Surplus: 14	38
Kaiser Portland	16.7	23	Surplus: 26	25
7 Kaiser Plans	11.0	15	Surplus: 34	17
GHC Seattle				
Three HMOs	9.2	13	Surplus: 36	14
Goodman				
Hicks & Glenn	16.2	22	Surplus: 27	25
Solucient	22.5	31	Surplus: 18	34
Average Requirement	23.6	33	Surplus: 16	36

Physician Specialty	2008 Actual			2015 Projected
	Population	Physician /100k	Status	Population
Gastroenterology	138,887	4	2.9	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	4.2	6	Deficit: -2	6
Two Mature HMO	3.1	4	Adequate 0	5
Adjusted FTE				
GMENAC	3.2	4	Adequate 0	5
Kaiser Portland	1.7	2	Surplus: 2	3
7 Kaiser Plans	1.7	2	Surplus: 2	3
GHC Seattle				
Three HMOs				
Goodman	1.3	2	Surplus: 2	2
Hicks & Glenn				
Solucient	3.5	5	Deficit: -1	5
Average Requirement	2.4	3	Surplus: 1	4

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physician /100k		Population
Hematology/Oncology	138,887	1	0.7	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.5	5	Deficit: -4	5
Two Mature HMO	2.5	3	Deficit: -2	4
Adjusted FTE	2.4	3	Deficit: -2	4
GMENAC	3.6	5	Deficit: -4	5
Kaiser Portland	2.3	3	Deficit: -2	3
7 Kaiser Plans	1.8	2	Deficit: -1	3
GHC Seattle	1.6	2	Deficit: -1	2
Three HMOs	2.6	4	Deficit: -3	4
Goodman	1.2	2	Deficit: -1	2
Hicks & Glenn				
Solucient	1.1	1	Adequate 0	2
Average Requirement	2.1	3	Deficit: -2	3

Physician Specialty	2008 Actual			2015 Projected
	Population	Physician /100k		Population
Infectious Disease	138,887	1	0.7	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	2.2	3	Deficit: -2	3
Two Mature HMO	0.7	1	Adequate 0	1
Adjusted FTE	0.6	1	Adequate 0	1
GMENAC	0.9	1	Adequate 0	1
Kaiser Portland	1.2	2	Deficit: -1	2
7 Kaiser Plans	0.7	1	Adequate 0	1
GHC Seattle	0.6	1	Adequate 0	1
Three HMOs				
Goodman				
Hicks & Glenn				
Solucient				
Average Requirement	0.8	1	Adequate 0	1

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Internal Medicine		138,887	13	9.4	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	53.1	74	Deficit: -61	80	
Two Mature HMO	21.4	30	Deficit: -17	32	
Adjusted FTE	20.0	28	Deficit: -15	30	
GMENAC	28.8	40	Deficit: -27	44	
Kaiser Portland	28.1	39	Deficit: -26	43	
7 Kaiser Plans	30.3	42	Deficit: -29	46	
GHC Seattle					
Three HMOs	16.7	23	Deficit: -10	25	
Goodman					
Hicks & Glenn	11.3	16	Deficit: -3	17	
Solucient	19.0	26	Deficit: -13	29	
Average Requirement	22.0	31	Deficit: -18	33	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Nephrology		138,887	3	2.2	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.6	4	Deficit: -1	4	
Two Mature HMO	1.4	2	Surplus: 1	2	
Adjusted FTE	1.3	2	Surplus: 1	2	
GMENAC	1.1	2	Surplus: 1	2	
Kaiser Portland	0.8	1	Surplus: 2	1	
7 Kaiser Plans	0.7	1	Surplus: 2	1	
GHC Seattle	0.9	1	Surplus: 2	1	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient	0.7	1	Surplus: 2	1	
Average Requirement	1.0	1	Surplus: 2	2	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Neurology		138,887	2	1.4	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	5.0	7	Deficit: -5	8	
Two Mature HMO	2.4	3	Deficit: -1	4	
Adjusted FTE	2.3	3	Deficit: -1	3	
GMENAC	3.3	5	Deficit: -3	5	
Kaiser Portland	1.3	2	Adequate 0	2	
7 Kaiser Plans	1.7	2	Adequate 0	3	
GHC Seattle	1.2	2	Adequate 0	2	
Three HMOs					
Goodman	2.1	3	Deficit: -1	3	
Hicks & Glenn	1.4	2	Adequate 0	2	
Solucient	1.8	2	Adequate 0	3	
Average Requirement	1.9	3	Deficit: -1	3	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
OB/GYN		138,887	10	7.2	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.1	20	Deficit: -10	21	
Two Mature HMO	12.1	17	Deficit: -7	18	
Adjusted FTE	11.3	16	Deficit: -6	17	
GMENAC	9.9	14	Deficit: -4	15	
Kaiser Portland	11.6	16	Deficit: -6	18	
7 Kaiser Plans	11.5	16	Deficit: -6	17	
GHC Seattle	10.0	14	Deficit: -4	15	
Three HMOs	8.8	12	Deficit: -2	13	
Goodman	8.4	12	Deficit: -2	13	
Hicks & Glenn	8.0	11	Deficit: -1	12	
Solucient	10.2	14	Deficit: -4	15	
Average Requirement	10.2	14	Deficit: -4	15	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physician	/100k	Population
Ophthalmology		138,887	5	3.6	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.0	8	Deficit: -3	9	
Two Mature HMO	5.9	8	Deficit: -3	9	
Adjusted FTE	5.5	8	Deficit: -3	8	
GMENAC	4.6	6	Deficit: -1	7	
Kaiser Portland	2.4	3	Surplus: 2	4	
7 Kaiser Plans	3.1	4	Surplus: 1	5	
GHC Seattle	5.0	7	Deficit: -2	8	
Three HMOs					
Goodman	3.5	5	Adequate 0	5	
Hicks & Glenn	3.2	4	Surplus: 1	5	
Solucient	4.7	7	Deficit: -2	7	
Average Requirement	4.2	6	Deficit: -1	6	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician	/100k	Population
Orthopedic Surgery		138,887	5	3.6	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	8.3	12	Deficit: -7	13	
Two Mature HMO	6.8	9	Deficit: -4	10	
Adjusted FTE	6.4	9	Deficit: -4	10	
GMENAC	6.0	8	Deficit: -3	9	
Kaiser Portland	5.9	8	Deficit: -3	9	
7 Kaiser Plans	4.2	6	Deficit: -1	6	
GHC Seattle	6.7	9	Deficit: -4	10	
Three HMOs	3.0	4	Surplus: 1	5	
Goodman	5.9	8	Deficit: -3	9	
Hicks & Glenn	4.2	6	Deficit: -1	6	
Solucient	6.1	8	Deficit: -3	9	
Average Requirement	5.5	8	Deficit: -3	8	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Otolaryngology		138,887	3	2.2	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.4	5	Deficit: -2	5	
Two Mature HMO	3.2	4	Deficit: -1	5	
Adjusted FTE					
GMENAC	3.2	4	Deficit: -1	5	
Kaiser Portland	3.4	5	Deficit: -2	5	
7 Kaiser Plans	2.4	3	Adequate 0	4	
GHC Seattle	3.0	4	Deficit: -1	5	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	3.0	4	Deficit: -1	5	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Pathology		138,887	6	4.3	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.3	9	Deficit: -3	10	
Two Mature HMO	1.9	3	Surplus: 3	3	
Adjusted FTE	1.8	2	Surplus: 4	3	
GMENAC	6.4	9	Deficit: -3	10	
Kaiser Portland	3.3	5	Surplus: 1	5	
7 Kaiser Plans	1.8	2	Surplus: 4	3	
GHC Seattle					
Three HMOs					
Goodman	4.1	6	Adequate 0	6	
Hicks & Glenn					
Solucient					
Average Requirement	3.2	4	Surplus: 2	5	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Pediatrics		138,887	12	8.6	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	24.9	35	Deficit: -23	38	
Two Mature HMO	16.6	23	Deficit: -11	25	
Adjusted FTE	15.5	22	Deficit: -10	23	
GMENAC	12.4	17	Deficit: -5	19	
Kaiser Portland	11.9	17	Deficit: -5	18	
7 Kaiser Plans	16.0	22	Deficit: -10	24	
GHC Seattle					
Three HMOs	9.8	14	Deficit: -2	15	
Goodman					
Hicks & Glenn	7.6	11	Surplus: 1	12	
Solucient	13.9	19	Deficit: -7	21	
Average Requirement	13.0	18	Deficit: -6	20	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Plastic Surgery		138,887	4	2.9	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.4	3	Surplus: 1	4	
Two Mature HMO					
Adjusted FTE					
GMENAC	1.1	2	Surplus: 2	2	
Kaiser Portland	0.3	0	Surplus: 4	0	
7 Kaiser Plans					
GHC Seattle	0.4	1	Surplus: 3	1	
Three HMOs					
Goodman	1.1	2	Surplus: 2	2	
Hicks & Glenn	2.3	3	Surplus: 1	3	
Solucient	2.2	3	Surplus: 1	3	
Average Requirement	1.2	2	Surplus: 2	2	

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physician /100k	Physician /100k	Population
Psychiatry	138,887	8	5.8	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	13.6	19	Deficit: -11	21
Two Mature HMO	7.7	11	Deficit: -3	12
Adjusted FTE	7.2	10	Deficit: -2	11
GMENAC	15.4	21	Deficit: -13	23
Kaiser Portland	5.2	7	Surplus: 1	8
7 Kaiser Plans	4.1	6	Surplus: 2	6
GHC Seattle				
Three HMOs				
Goodman	7.2	10	Deficit: -2	11
Hicks & Glenn	3.9	5	Surplus: 3	6
Solucient	5.7	8	Adequate 0	9
Average Requirement	7.1	10	Deficit: -2	11

Physician Specialty	2008 Actual			2015 Projected
	Population	Physician /100k	Physician /100k	Population
Pulmonary Diseases	138,887	3	2.2	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.5	5	Deficit: -2	5
Two Mature HMO	2.0	3	Adequate 0	3
Adjusted FTE	1.9	3	Adequate 0	3
GMENAC	1.4	2	Surplus: 1	2
Kaiser Portland	1.4	2	Surplus: 1	2
7 Kaiser Plans	1.0	1	Surplus: 2	2
GHC Seattle	1.4	2	Surplus: 1	2
Three HMOs				
Goodman	1.4	2	Surplus: 1	2
Hicks & Glenn				
Solucient	1.3	2	Surplus: 1	2
Average Requirement	1.5	2	Surplus: 1	2

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Radiology		138,887	12	8.6	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	16	Deficit: -4	17	
Two Mature HMO	13.6	19	Deficit: -7	21	
Adjusted FTE	13.7	19	Deficit: -7	21	
GMENAC	7.7	11	Surplus: 1	12	
Kaiser Portland	8.5	12	Adequate 0	13	
7 Kaiser Plans	4.7	7	Surplus: 5	7	
GHC Seattle	7.7	11	Surplus: 1	12	
Three HMOs					
Goodman	8.0	11	Surplus: 1	12	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	13	Deficit: -1	14	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
General Surgery		138,887	10	7.2	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	12.5	17	Deficit: -7	19	
Two Mature HMO	9.4	13	Deficit: -3	14	
Adjusted FTE	8.8	12	Deficit: -2	13	
GMENAC	9.7	13	Deficit: -3	15	
Kaiser Portland	7.0	10	Adequate 0	11	
7 Kaiser Plans	6.2	9	Surplus: 1	9	
GHC Seattle	5.9	8	Surplus: 2	9	
Three HMOs	4.2	6	Surplus: 4	6	
Goodman	9.7	13	Deficit: -3	15	
Hicks & Glenn	4.1	6	Surplus: 4	6	
Solucient	6.0	8	Surplus: 2	9	
Average Requirement	7.1	10	Adequate 0	11	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Physician /100k	Population
Thoracic Surgery		138,887	2	1.4	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.5	2	Adequate	0	2
Two Mature HMO					
Adjusted FTE					
GMENAC	0.8	1	Surplus:	1	1
Kaiser Portland	0.1	0	Surplus:	2	0
7 Kaiser Plans					
GHC Seattle					
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.5	1	Surplus:	1	1

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Physician /100k	Population
Urology		138,887	4	2.9	151,363
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	5	Deficit:	-1	5
Two Mature HMO	3.5	5	Deficit:	-1	5
Adjusted FTE	3.3	5	Deficit:	-1	5
GMENAC	3.1	4	Adequate	0	5
Kaiser Portland	3.3	5	Deficit:	-1	5
7 Kaiser Plans	2.3	3	Surplus:	1	3
GHC Seattle	2.9	4	Adequate	0	4
Three HMOs					
Goodman	2.6	4	Adequate	0	4
Hicks & Glenn	1.9	3	Surplus:	1	3
Solucient	2.9	4	Adequate	0	4
Average Requirement	2.9	4	Adequate	0	4

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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.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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- (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.
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- (12) American Medical Association. Physician Characteristics and Distribution in the US, 2010 Edition; 2010.