

19 PCSA Physician Standard Report

Included Counties: Carroll, Haralson

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Allergy & Immunology		132,711	3	2.3	150,541
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	1	Surplus: 2	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	Physicians /100k	Physician Need	Population
Anesthesiology		132,711	10	7.5	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.0	19	Deficit: -9	21	
Two Mature HMO	9.7	13	Deficit: -3	15	
Adjusted FTE	9.1	12	Deficit: -2	14	
GMENAC	8.9	12	Deficit: -2	13	
Kaiser Portland	5.9	8	Surplus: 2	9	
7 Kaiser Plans	3.9	5	Surplus: 5	6	
GHC Seattle	9.0	12	Deficit: -2	14	
Three HMOs					
Goodman	7.0	9	Surplus: 1	11	
Hicks & Glenn					
Solucient					
Average Requirement	7.6	10	Adequate 0	11	

19 PCSA Physician Standard Report

Included Counties: Carroll, Haralson

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Cardiovascular Diseases	132,711	5	3.8	150,541
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	3	Surplus: 2	4
Solucient	4.2	6	Deficit: -1	6
Average Requirement	3.5	5	Adequate 0	5

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Dermatology	132,711	3	2.3	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.7	5	Deficit: -2	6
Two Mature HMO	2.8	4	Deficit: -1	4
Adjusted FTE	2.6	3	Adequate 0	4
GMENAC	2.8	4	Deficit: -1	4
Kaiser Portland	2.5	3	Adequate 0	4
7 Kaiser Plans	2.4	3	Adequate 0	4
GHC Seattle	2.6	3	Adequate 0	4
Three HMOs	1.6	2	Surplus: 1	2
Goodman	1.4	2	Surplus: 1	2
Hicks & Glenn	2.1	3	Adequate 0	3
Solucient	3.1	4	Deficit: -1	5
Average Requirement	2.4	3	Adequate 0	4

19 PCSA Physician Standard Report

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Emergency Medicine		132,711	17	12.8	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	14	Surplus: 3	16	
Two Mature HMO	5.5	7	Surplus: 10	8	
Adjusted FTE	5.2	7	Surplus: 10	8	
GMENAC	5.4	7	Surplus: 10	8	
Kaiser Portland	6.7	9	Surplus: 8	10	
7 Kaiser Plans	5.3	7	Surplus: 10	8	
GHC Seattle					
Three HMOs					
Goodman	2.7	4	Surplus: 13	4	
Hicks & Glenn					
Solucient	12.4	16	Surplus: 1	19	
Average Requirement	6.2	8	Surplus: 9	9	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Endocrinology, Diabetes & Metabolism		132,711	1	0.8	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.8	2	Deficit: -1	3	
Two Mature HMO	1.1	1	Adequate 0	2	
Adjusted FTE	1.0	1	Adequate 0	2	
GMENAC	0.8	1	Adequate 0	1	
Kaiser Portland	0.9	1	Adequate 0	1	
7 Kaiser Plans	1.1	1	Adequate 0	2	
GHC Seattle					
Three HMOs	0.6	1	Adequate 0	1	
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.9	1	Adequate 0	1	

19 PCSA Physician Standard Report

Included Counties: Carroll, Haralson

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Family Practice		132,711	37	27.9	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	31.5	42	Deficit: -5		47
Two Mature HMO	45.6	61	Deficit: -24		69
Adjusted FTE	42.6	57	Deficit: -20		64
GMENAC	25.2	33	Surplus: 4		38
Kaiser Portland	16.7	22	Surplus: 15		25
7 Kaiser Plans	11.0	15	Surplus: 22		17
GHC Seattle					
Three HMOs	9.2	12	Surplus: 25		14
Goodman					
Hicks & Glenn	16.2	21	Surplus: 16		24
Solucient	22.5	30	Surplus: 7		34
Average Requirement	23.6	31	Surplus: 6		36

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Gastroenterology		132,711	3	2.3	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	4.2	6	Deficit: -3		6
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	5	Deficit: -2		5
Average Requirement	2.4	3	Adequate 0		4

19 PCSA Physician Standard Report

Included Counties: Carroll, Haralson

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Infectious Disease		132,711	1	0.8	150,541
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	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Internal Medicine		132,711	21	15.8	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	53.1	70	Deficit: -49	80	
Two Mature HMO	21.4	28	Deficit: -7	32	
Adjusted FTE	20.0	27	Deficit: -6	30	
GMENAC	28.8	38	Deficit: -17	43	
Kaiser Portland	28.1	37	Deficit: -16	42	
7 Kaiser Plans	30.3	40	Deficit: -19	46	
GHC Seattle					
Three HMOs	16.7	22	Deficit: -1	25	
Goodman					
Hicks & Glenn	11.3	15	Surplus: 6	17	
Solucient	19.0	25	Deficit: -4	29	
Average Requirement	22.0	29	Deficit: -8	33	

19 PCSA Physician Standard Report

Included Counties: Carroll, Haralson

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Nephrology		132,711	2	1.5	150,541
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	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Neurology		132,711	5	3.8	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	5.0	7	Deficit: -2	8	
Two Mature HMO	2.4	3	Surplus: 2	4	
Adjusted FTE	2.3	3	Surplus: 2	3	
GMENAC	3.3	4	Surplus: 1	5	
Kaiser Portland	1.3	2	Surplus: 3	2	
7 Kaiser Plans	1.7	2	Surplus: 3	3	
GHC Seattle	1.2	2	Surplus: 3	2	
Three HMOs					
Goodman	2.1	3	Surplus: 2	3	
Hicks & Glenn	1.4	2	Surplus: 3	2	
Solucient	1.8	2	Surplus: 3	3	
Average Requirement	1.9	3	Surplus: 2	3	

19 PCSA Physician Standard Report

Included Counties: Carroll, Haralson

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
OB/GYN		132,711	10	7.5	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.1	19	Deficit: -9	21	
Two Mature HMO	12.1	16	Deficit: -6	18	
Adjusted FTE	11.3	15	Deficit: -5	17	
GMENAC	9.9	13	Deficit: -3	15	
Kaiser Portland	11.6	15	Deficit: -5	17	
7 Kaiser Plans	11.5	15	Deficit: -5	17	
GHC Seattle	10.0	13	Deficit: -3	15	
Three HMOs	8.8	12	Deficit: -2	13	
Goodman	8.4	11	Deficit: -1	13	
Hicks & Glenn	8.0	11	Deficit: -1	12	
Solucient	10.2	13	Deficit: -3	15	
Average Requirement	10.2	14	Deficit: -4	15	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Ophthalmology		132,711	4	3.0	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.0	8	Deficit: -4	9	
Two Mature HMO	5.9	8	Deficit: -4	9	
Adjusted FTE	5.5	7	Deficit: -3	8	
GMENAC	4.6	6	Deficit: -2	7	
Kaiser Portland	2.4	3	Surplus: 1	4	
7 Kaiser Plans	3.1	4	Adequate 0	5	
GHC Seattle	5.0	7	Deficit: -3	8	
Three HMOs					
Goodman	3.5	5	Deficit: -1	5	
Hicks & Glenn	3.2	4	Adequate 0	5	
Solucient	4.7	6	Deficit: -2	7	
Average Requirement	4.2	6	Deficit: -2	6	

19 PCSA Physician Standard Report

Included Counties: Carroll, Haralson

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Orthopedic Surgery		132,711	6	4.5	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	8.3	11	Deficit: -5	12	
Two Mature HMO	6.8	9	Deficit: -3	10	
Adjusted FTE	6.4	8	Deficit: -2	10	
GMENAC	6.0	8	Deficit: -2	9	
Kaiser Portland	5.9	8	Deficit: -2	9	
7 Kaiser Plans	4.2	6	Adequate 0	6	
GHC Seattle	6.7	9	Deficit: -3	10	
Three HMOs	3.0	4	Surplus: 2	5	
Goodman	5.9	8	Deficit: -2	9	
Hicks & Glenn	4.2	6	Adequate 0	6	
Solucient	6.1	8	Deficit: -2	9	
Average Requirement	5.5	7	Deficit: -1	8	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Otolaryngology		132,711	7	5.3	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.4	5	Surplus: 2	5	
Two Mature HMO	3.2	4	Surplus: 3	5	
Adjusted FTE					
GMENAC	3.2	4	Surplus: 3	5	
Kaiser Portland	3.4	5	Surplus: 2	5	
7 Kaiser Plans	2.4	3	Surplus: 4	4	
GHC Seattle	3.0	4	Surplus: 3	5	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	3.0	4	Surplus: 3	5	

19 PCSA Physician Standard Report

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Pathology		132,711	3	2.3	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.3	8	Deficit: -5	9	
Two Mature HMO	1.9	3	Adequate 0	3	
Adjusted FTE	1.8	2	Surplus: 1	3	
GMENAC	6.4	8	Deficit: -5	10	
Kaiser Portland	3.3	4	Deficit: -1	5	
7 Kaiser Plans	1.8	2	Surplus: 1	3	
GHC Seattle					
Three HMOs					
Goodman	4.1	5	Deficit: -2	6	
Hicks & Glenn					
Solucient					
Average Requirement	3.2	4	Deficit: -1	5	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Population	
Pediatrics		132,711	15	11.3	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	24.9	33	Deficit: -18	37	
Two Mature HMO	16.6	22	Deficit: -7	25	
Adjusted FTE	15.5	21	Deficit: -6	23	
GMENAC	12.4	16	Deficit: -1	19	
Kaiser Portland	11.9	16	Deficit: -1	18	
7 Kaiser Plans	16.0	21	Deficit: -6	24	
GHC Seattle					
Three HMOs	9.8	13	Surplus: 2	15	
Goodman					
Hicks & Glenn	7.6	10	Surplus: 5	11	
Solucient	13.9	18	Deficit: -3	21	
Average Requirement	13.0	17	Deficit: -2	20	

19 PCSA Physician Standard Report

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Plastic Surgery		132,711	1	0.8	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.4	3	Deficit: -2	4	
Two Mature HMO					
Adjusted FTE					
GMENAC	1.1	1	Adequate 0	2	
Kaiser Portland	0.3	0	Surplus: 1	0	
7 Kaiser Plans					
GHC Seattle	0.4	1	Adequate 0	1	
Three HMOs					
Goodman	1.1	1	Adequate 0	2	
Hicks & Glenn	2.3	3	Deficit: -2	3	
Solucient	2.2	3	Deficit: -2	3	
Average Requirement		2	Deficit: -1	2	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Psychiatry		132,711	6	4.5	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	13.6	18	Deficit: -12	20	
Two Mature HMO					
Adjusted FTE					
GMENAC	15.4	20	Deficit: -14	23	
Kaiser Portland	5.2	7	Deficit: -1	8	
7 Kaiser Plans	4.1	5	Surplus: 1	6	
GHC Seattle					
Three HMOs					
Goodman	7.2	10	Deficit: -4	11	
Hicks & Glenn	3.9	5	Surplus: 1	6	
Solucient	5.7	8	Deficit: -2	9	
Average Requirement		9	Deficit: -3	11	

19 PCSA Physician Standard Report

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Pulmonary Diseases		132,711	2	1.5	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	5	Deficit: -3	5	
Two Mature HMO	2.0	3	Deficit: -1	3	
Adjusted FTE	1.9	3	Deficit: -1	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
Radiology		132,711	12	9.0	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	15	Deficit: -3	17	
Two Mature HMO	13.6	18	Deficit: -6	20	
Adjusted FTE	13.7	18	Deficit: -6	21	
GMENAC	7.7	10	Surplus: 2	12	
Kaiser Portland	8.5	11	Surplus: 1	13	
7 Kaiser Plans	4.7	6	Surplus: 6	7	
GHC Seattle	7.7	10	Surplus: 2	12	
Three HMOs					
Goodman	8.0	11	Surplus: 1	12	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	12	Adequate 0	14	

19 PCSA Physician Standard Report

Included Counties: Carroll, Haralson

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Rheumatology		132,711	1	0.8	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.5	2	Deficit: -1	2	
Two Mature HMO	1.1	1	Adequate 0	2	
Adjusted FTE	1.0	1	Adequate 0	2	
GMENAC	0.7	1	Adequate 0	1	
Kaiser Portland	0.4	1	Adequate 0	1	
7 Kaiser Plans	0.7	1	Adequate 0	1	
GHC Seattle	0.7	1	Adequate 0	1	
Three HMOs					
Goodman	0.4	1	Adequate 0	1	
Hicks & Glenn					
Solucient	1.3	2	Deficit: -1	2	
Average Requirement	0.8	1	Adequate 0	1	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
General Surgery		132,711	10	7.5	150,541
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	12	Deficit: -2	14	
Adjusted FTE	8.8	12	Deficit: -2	13	
GMENAC	9.7	13	Deficit: -3	15	
Kaiser Portland	7.0	9	Surplus: 1	11	
7 Kaiser Plans	6.2	8	Surplus: 2	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	5	Surplus: 5	6	
Solucient	6.0	8	Surplus: 2	9	
Average Requirement	7.1	9	Surplus: 1	11	

19 PCSA Physician Standard Report

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k	Status	Population
Urology	132,711	3	2.3	150,541
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.5	5	Deficit: -2	5
Two Mature HMO	3.5	5	Deficit: -2	5
Adjusted FTE	3.3	4	Deficit: -1	5
GMENAC	3.1	4	Deficit: -1	5
Kaiser Portland	3.3	4	Deficit: -1	5
7 Kaiser Plans	2.3	3	Adequate 0	3
GHC Seattle	2.9	4	Deficit: -1	4
Three HMOs				
Goodman	2.6	3	Adequate 0	4
Hicks & Glenn	1.9	3	Adequate 0	3
Solucient	2.9	4	Deficit: -1	4
Average Requirement	2.9	4	Deficit: -1	4

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.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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