

Warner-Robins MSA Physician Standard Report

Included Counties: Houston

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Anesthesiology		125,975	7	5.6	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.0	18	Deficit: -11	18	
Two Mature HMO	9.7	12	Deficit: -5	13	
Adjusted FTE	9.1	11	Deficit: -4	12	
GMENAC	8.9	11	Deficit: -4	11	
Kaiser Portland	5.9	7	Adequate 0	8	
7 Kaiser Plans	3.9	5	Surplus: 2	5	
GHC Seattle	9.0	11	Deficit: -4	12	
Three HMOs					
Goodman	7.0	9	Deficit: -2	9	
Hicks & Glenn					
Solucient					
Average Requirement	7.6	10	Deficit: -3	10	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Cardiovascular Diseases		125,975	8	6.4	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	7.5	9	Deficit: -1	10	
Two Mature HMO	5.4	7	Surplus: 1	7	
Adjusted FTE	5.0	6	Surplus: 2	6	
GMENAC	3.1	4	Surplus: 4	4	
Kaiser Portland	3.0	4	Surplus: 4	4	
7 Kaiser Plans	1.8	2	Surplus: 6	2	
GHC Seattle	2.9	4	Surplus: 4	4	
Three HMOs					
Goodman	3.6	5	Surplus: 3	5	
Hicks & Glenn	2.6	3	Surplus: 5	3	
Solucient	4.2	5	Surplus: 3	5	
Average Requirement	3.5	4	Surplus: 4	5	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physician	/100k	Population
Dermatology		125,975	4	3.2	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.7	5	Deficit: -1	5	
Two Mature HMO	2.8	4	Adequate 0	4	
Adjusted FTE	2.6	3	Surplus: 1	3	
GMENAC	2.8	4	Adequate 0	4	
Kaiser Portland	2.5	3	Surplus: 1	3	
7 Kaiser Plans	2.4	3	Surplus: 1	3	
GHC Seattle	2.6	3	Surplus: 1	3	
Three HMOs	1.6	2	Surplus: 2	2	
Goodman	1.4	2	Surplus: 2	2	
Hicks & Glenn	2.1	3	Surplus: 1	3	
Solucient	3.1	4	Adequate 0	4	
Average Requirement	2.4	3	Surplus: 1	3	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician	/100k	Population
Emergency Medicine		125,975	14	11.1	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	13	Surplus: 1	14	
Two Mature HMO	5.5	7	Surplus: 7	7	
Adjusted FTE	5.2	7	Surplus: 7	7	
GMENAC	5.4	7	Surplus: 7	7	
Kaiser Portland	6.7	8	Surplus: 6	9	
7 Kaiser Plans	5.3	7	Surplus: 7	7	
GHC Seattle					
Three HMOs					
Goodman	2.7	3	Surplus: 11	3	
Hicks & Glenn					
Solucient	12.4	16	Deficit: -2	16	
Average Requirement	6.2	8	Surplus: 6	8	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Family Practice		125,975	31	24.6	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	40	Deficit: -9	41	
Two Mature HMO	45.6	57	Deficit: -26	59	
Adjusted FTE	42.6	54	Deficit: -23	55	
GMENAC	25.2	32	Deficit: -1	33	
Kaiser Portland	16.7	21	Surplus: 10	22	
7 Kaiser Plans	11.0	14	Surplus: 17	14	
GHC Seattle					
Three HMOs	9.2	12	Surplus: 19	12	
Goodman					
Hicks & Glenn	16.2	20	Surplus: 11	21	
Solucient	22.5	28	Surplus: 3	29	
Average Requirement	23.6	30	Surplus: 1	30	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Gastroenterology		125,975	1	0.8	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	4.2	5	Deficit: -4	5	
Two Mature HMO	3.1	4	Deficit: -3	4	
Adjusted FTE					
GMENAC	3.2	4	Deficit: -3	4	
Kaiser Portland	1.7	2	Deficit: -1	2	
7 Kaiser Plans	1.7	2	Deficit: -1	2	
GHC Seattle					
Three HMOs					
Goodman	1.3	2	Deficit: -1	2	
Hicks & Glenn					
Solucient	3.5	4	Deficit: -3	5	
Average Requirement	2.4	3	Deficit: -2	3	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Infectious Disease		125,975	3	2.4	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.2	3	Adequate	0	3
Two Mature HMO	0.7	1	Surplus:	2	1
Adjusted FTE	0.6	1	Surplus:	2	1
GMENAC	0.9	1	Surplus:	2	1
Kaiser Portland	1.2	2	Surplus:	1	2
7 Kaiser Plans	0.7	1	Surplus:	2	1
GHC Seattle	0.6	1	Surplus:	2	1
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.8	1	Surplus:	2	1

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Internal Medicine		125,975	33	26.2	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	53.1	67	Deficit:	-34	69
Two Mature HMO	21.4	27	Surplus:	6	28
Adjusted FTE	20.0	25	Surplus:	8	26
GMENAC	28.8	36	Deficit:	-3	37
Kaiser Portland	28.1	35	Deficit:	-2	36
7 Kaiser Plans	30.3	38	Deficit:	-5	39
GHC Seattle					
Three HMOs	16.7	21	Surplus:	12	22
Goodman					
Hicks & Glenn	11.3	14	Surplus:	19	15
Solucient	19.0	24	Surplus:	9	25
Average Requirement	22.0	28	Surplus:	5	28

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Physician /100k	Population
Nephrology		125,975	5	4.0	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.6	3	Surplus: 2	3	
Two Mature HMO	1.4	2	Surplus: 3	2	
Adjusted FTE	1.3	2	Surplus: 3	2	
GMENAC	1.1	1	Surplus: 4	1	
Kaiser Portland	0.8	1	Surplus: 4	1	
7 Kaiser Plans	0.7	1	Surplus: 4	1	
GHC Seattle	0.9	1	Surplus: 4	1	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient	0.7	1	Surplus: 4	1	
Average Requirement	1.0	1	Surplus: 4	1	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Physician /100k	Population
Neurology		125,975	2	1.6	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	5.0	6	Deficit: -4	6	
Two Mature HMO	2.4	3	Deficit: -1	3	
Adjusted FTE	2.3	3	Deficit: -1	3	
GMENAC	3.3	4	Deficit: -2	4	
Kaiser Portland	1.3	2	Adequate 0	2	
7 Kaiser Plans	1.7	2	Adequate 0	2	
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	2	
Average Requirement	1.9	2	Adequate 0	2	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
OB/GYN		125,975	14	11.1	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.1	18	Deficit: -4	18	
Two Mature HMO	12.1	15	Deficit: -1	16	
Adjusted FTE	11.3	14	Adequate 0	15	
GMENAC	9.9	12	Surplus: 2	13	
Kaiser Portland	11.6	15	Deficit: -1	15	
7 Kaiser Plans	11.5	14	Adequate 0	15	
GHC Seattle	10.0	13	Surplus: 1	13	
Three HMOs	8.8	11	Surplus: 3	11	
Goodman	8.4	11	Surplus: 3	11	
Hicks & Glenn	8.0	10	Surplus: 4	10	
Solucient	10.2	13	Surplus: 1	13	
Average Requirement	10.2	13	Surplus: 1	13	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Ophthalmology		125,975	7	5.6	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.0	8	Deficit: -1	8	
Two Mature HMO	5.9	7	Adequate 0	8	
Adjusted FTE	5.5	7	Adequate 0	7	
GMENAC	4.6	6	Surplus: 1	6	
Kaiser Portland	2.4	3	Surplus: 4	3	
7 Kaiser Plans	3.1	4	Surplus: 3	4	
GHC Seattle	5.0	6	Surplus: 1	6	
Three HMOs					
Goodman	3.5	4	Surplus: 3	5	
Hicks & Glenn	3.2	4	Surplus: 3	4	
Solucient	4.7	6	Surplus: 1	6	
Average Requirement	4.2	5	Surplus: 2	5	

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physician /100k	Physician	Population
Orthopedic Surgery	125,975	11	8.7	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	8.3	10	Surplus: 1	11
Two Mature HMO	6.8	9	Surplus: 2	9
Adjusted FTE	6.4	8	Surplus: 3	8
GMENAC	6.0	8	Surplus: 3	8
Kaiser Portland	5.9	7	Surplus: 4	8
7 Kaiser Plans	4.2	5	Surplus: 6	5
GHC Seattle	6.7	8	Surplus: 3	9
Three HMOs	3.0	4	Surplus: 7	4
Goodman	5.9	7	Surplus: 4	8
Hicks & Glenn	4.2	5	Surplus: 6	5
Solucient	6.1	8	Surplus: 3	8
Average Requirement	5.5	7	Surplus: 4	7

Physician Specialty	2008 Actual			2015 Projected
	Population	Physician /100k	Physician	Population
Otolaryngology	125,975	3	2.4	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.4	4	Deficit: -1	4
Two Mature HMO	3.2	4	Deficit: -1	4
Adjusted FTE				
GMENAC	3.2	4	Deficit: -1	4
Kaiser Portland	3.4	4	Deficit: -1	4
7 Kaiser Plans	2.4	3	Adequate 0	3
GHC Seattle	3.0	4	Deficit: -1	4
Three HMOs				
Goodman				
Hicks & Glenn				
Solucient				
Average Requirement	3.0	4	Deficit: -1	4

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Pathology		125,975	4	3.2	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.3	8	Deficit: -4	8	
Two Mature HMO	1.9	2	Surplus: 2	2	
Adjusted FTE	1.8	2	Surplus: 2	2	
GMENAC	6.4	8	Deficit: -4	8	
Kaiser Portland	3.3	4	Adequate 0	4	
7 Kaiser Plans	1.8	2	Surplus: 2	2	
GHC Seattle					
Three HMOs					
Goodman	4.1	5	Deficit: -1	5	
Hicks & Glenn					
Solucient					
Average Requirement	3.2	4	Adequate 0	4	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Pediatrics		125,975	17	13.5	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	24.9	31	Deficit: -14	32	
Two Mature HMO	16.6	21	Deficit: -4	21	
Adjusted FTE	15.5	20	Deficit: -3	20	
GMENAC	12.4	16	Surplus: 1	16	
Kaiser Portland	11.9	15	Surplus: 2	15	
7 Kaiser Plans	16.0	20	Deficit: -3	21	
GHC Seattle					
Three HMOs	9.8	12	Surplus: 5	13	
Goodman					
Hicks & Glenn	7.6	10	Surplus: 7	10	
Solucient	13.9	18	Deficit: -1	18	
Average Requirement	13.0	16	Surplus: 1	17	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Physician /100k	Population
Psychiatry		125,975	9	7.1	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	13.6	17	Deficit: -8	18	
Two Mature HMO	7.7	10	Deficit: -1	10	
Adjusted FTE	7.2	9	Adequate 0	9	
GMENAC	15.4	19	Deficit: -10	20	
Kaiser Portland	5.2	7	Surplus: 2	7	
7 Kaiser Plans	4.1	5	Surplus: 4	5	
GHC Seattle					
Three HMOs					
Goodman	7.2	9	Adequate 0	9	
Hicks & Glenn	3.9	5	Surplus: 4	5	
Solucient	5.7	7	Surplus: 2	7	
Average Requirement	7.1	9	Adequate 0	9	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Physician /100k	Population
Pulmonary Diseases		125,975	4	3.2	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	4	Adequate 0	5	
Two Mature HMO	2.0	3	Surplus: 1	3	
Adjusted FTE	1.9	2	Surplus: 2	2	
GMENAC	1.4	2	Surplus: 2	2	
Kaiser Portland	1.4	2	Surplus: 2	2	
7 Kaiser Plans	1.0	1	Surplus: 3	1	
GHC Seattle	1.4	2	Surplus: 2	2	
Three HMOs					
Goodman	1.4	2	Surplus: 2	2	
Hicks & Glenn					
Solucient	1.3	2	Surplus: 2	2	
Average Requirement	1.5	2	Surplus: 2	2	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
Radiology		125,975	9	7.1	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	14	Deficit: -5	15	
Two Mature HMO	13.6	17	Deficit: -8	18	
Adjusted FTE	13.7	17	Deficit: -8	18	
GMENAC	7.7	10	Deficit: -1	10	
Kaiser Portland	8.5	11	Deficit: -2	11	
7 Kaiser Plans	4.7	6	Surplus: 3	6	
GHC Seattle	7.7	10	Deficit: -1	10	
Three HMOs					
Goodman	8.0	10	Deficit: -1	10	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	11	Deficit: -2	12	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physician /100k	Status	Population
General Surgery		125,975	6	4.8	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	12.5	16	Deficit: -10	16	
Two Mature HMO	9.4	12	Deficit: -6	12	
Adjusted FTE	8.8	11	Deficit: -5	11	
GMENAC	9.7	12	Deficit: -6	13	
Kaiser Portland	7.0	9	Deficit: -3	9	
7 Kaiser Plans	6.2	8	Deficit: -2	8	
GHC Seattle	5.9	7	Deficit: -1	8	
Three HMOs	4.2	5	Surplus: 1	5	
Goodman	9.7	12	Deficit: -6	13	
Hicks & Glenn	4.1	5	Surplus: 1	5	
Solucient	6.0	8	Deficit: -2	8	
Average Requirement	7.1	9	Deficit: -3	9	

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physician /100k	Status	Population
Urology	125,975	2	1.6	129,065
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.5	4	Deficit: -2	5
Two Mature HMO	3.5	4	Deficit: -2	5
Adjusted FTE	3.3	4	Deficit: -2	4
GMENAC	3.1	4	Deficit: -2	4
Kaiser Portland	3.3	4	Deficit: -2	4
7 Kaiser Plans	2.3	3	Deficit: -1	3
GHC Seattle	2.9	4	Deficit: -2	4
Three HMOs				
Goodman	2.6	3	Deficit: -1	3
Hicks & Glenn	1.9	2	Adequate 0	2
Solucient	2.9	4	Deficit: -2	4
Average Requirement	2.9	4	Deficit: -2	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.
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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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- (7) Steinwachs, D., J.P. Weiner, S. Shapiro, et al. 1986. A Comparison of the Requirements for Primary Care Physicians in with Projections Made by the Graduate Medical National Advisory Committee. New England Journal of Medicine 314:217-222.
- (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 328:1480152. See also, related NAPS Document 04998.
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