

Gwinnett County Physician Standard Report

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Allergy & Immunology	772,464	1	0.1	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	1.4	11	Deficit: -10	13
Two Mature HMO	1.5	12	Deficit: -11	14
Adjusted FTE	1.4	11	Deficit: -10	13
GMENAC	0.8	6	Deficit: -5	7
Kaiser Portland	1.7	13	Deficit: -12	11
7 Kaiser Plans	1.2	9	Deficit: -8	11
GHC Seattle	1.1	8	Deficit: -7	10
Three HMOs				
Goodman	1.3	10	Deficit: -9	12
Hicks & Glenn				
Solucient	1.7	13	Deficit: -12	16
Average Requirement	1.3	10	Deficit: -9	12

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Anesthesiology	772,464	38	4.9	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	14.0	108	Deficit: -70	127
Two Mature HMO	9.7	75	Deficit: -37	88
Adjusted FTE	9.1	70	Deficit: -32	83
GMENAC	8.9	69	Deficit: -31	81
Kaiser Portland	5.9	46	Deficit: -8	36
7 Kaiser Plans	3.9	30	Surplus: 8	36
GHC Seattle	9.0	70	Deficit: -32	82
Three HMOs				
Goodman	7.0	54	Deficit: -16	64
Hicks & Glenn				
Solucient				
Average Requirement	7.6	59	Deficit: -21	69

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Cardiovascular Diseases		772,464	30	3.9	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	7.5	58	Deficit: -28	68	
Two Mature HMO	5.4	42	Deficit: -12	49	
Adjusted FTE	5.0	39	Deficit: -9	46	
GMENAC	3.1	24	Surplus: 6	28	
Kaiser Portland	3.0	23	Surplus: 7	16	
7 Kaiser Plans	1.8	14	Surplus: 16	16	
GHC Seattle	2.9	22	Surplus: 8	26	
Three HMOs					
Goodman	3.6	28	Surplus: 2	33	
Hicks & Glenn	2.6	20	Surplus: 10	24	
Solucient	4.2	33	Deficit: -3	38	
Average Requirement	3.5	27	Surplus: 3	32	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Dermatology		772,464	17	2.2	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.7	29	Deficit: -12	34	
Two Mature HMO	2.8	22	Deficit: -5	25	
Adjusted FTE	2.6	20	Deficit: -3	24	
GMENAC	2.8	22	Deficit: -5	25	
Kaiser Portland	2.5	19	Deficit: -2	22	
7 Kaiser Plans	2.4	19	Deficit: -2	22	
GHC Seattle	2.6	20	Deficit: -3	24	
Three HMOs	1.6	12	Surplus: 5	15	
Goodman	1.4	11	Surplus: 6	13	
Hicks & Glenn	2.1	16	Surplus: 1	19	
Solucient	3.1	24	Deficit: -7	29	
Average Requirement	2.4	19	Deficit: -2	22	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Emergency Medicine		772,464	43	5.6	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	81	Deficit: -38	96	
Two Mature HMO	5.5	42	Surplus: 1	50	
Adjusted FTE	5.2	40	Surplus: 3	47	
GMENAC	5.4	42	Surplus: 1	49	
Kaiser Portland	6.7	52	Deficit: -9	48	
7 Kaiser Plans	5.3	41	Surplus: 2	48	
GHC Seattle					
Three HMOs					
Goodman	2.7	21	Surplus: 22	25	
Hicks & Glenn					
Solucient	12.4	96	Deficit: -53	113	
Average Requirement	6.2	48	Deficit: -5	56	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Endocrinology, Diabetes & Metabolism		772,464	9	1.2	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.8	14	Deficit: -5	16	
Two Mature HMO	1.1	8	Surplus: 1	10	
Adjusted FTE	1.0	8	Surplus: 1	9	
GMENAC	0.8	6	Surplus: 3	7	
Kaiser Portland	0.9	7	Surplus: 2	10	
7 Kaiser Plans	1.1	8	Surplus: 1	10	
GHC Seattle					
Three HMOs	0.6	5	Surplus: 4	5	
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.9	7	Surplus: 2	8	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Family Practice		772,464	146	18.9	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	31.5	243	Deficit: -97	287	
Two Mature HMO	45.6	352	Deficit: -206	415	
Adjusted FTE	42.6	329	Deficit: -183	388	
GMENAC	25.2	195	Deficit: -49	229	
Kaiser Portland	16.7	129	Surplus: 17	100	
7 Kaiser Plans	11.0	85	Surplus: 61	100	
GHC Seattle					
Three HMOs	9.2	71	Surplus: 75	84	
Goodman					
Hicks & Glenn	16.2	125	Surplus: 21	148	
Solucient	22.5	174	Deficit: -28	205	
Average Requirement	23.6	182	Deficit: -36	215	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Gastroenterology		772,464	15	1.9	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	4.2	32	Deficit: -17	38	
Two Mature HMO	3.1	24	Deficit: -9	28	
Adjusted FTE					
GMENAC	3.2	25	Deficit: -10	29	
Kaiser Portland	1.7	13	Surplus: 2	15	
7 Kaiser Plans	1.7	13	Surplus: 2	15	
GHC Seattle					
Three HMOs					
Goodman	1.3	10	Surplus: 5	12	
Hicks & Glenn					
Solucient	3.5	27	Deficit: -12	32	
Average Requirement	2.4	19	Deficit: -4	22	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Infectious Disease		772,464	4	0.5	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.2	17	Deficit: -13	20	
Two Mature HMO	0.7	5	Deficit: -1	6	
Adjusted FTE	0.6	5	Deficit: -1	5	
GMENAC	0.9	7	Deficit: -3	8	
Kaiser Portland	1.2	9	Deficit: -5	6	
7 Kaiser Plans	0.7	5	Deficit: -1	6	
GHC Seattle	0.6	5	Deficit: -1	5	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.8	6	Deficit: -2	7	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Internal Medicine		772,464	138	17.9	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	53.1	410	Deficit: -272	484	
Two Mature HMO	21.4	165	Deficit: -27	195	
Adjusted FTE	20.0	154	Deficit: -16	182	
GMENAC	28.8	222	Deficit: -84	262	
Kaiser Portland	28.1	217	Deficit: -79	276	
7 Kaiser Plans	30.3	234	Deficit: -96	276	
GHC Seattle					
Three HMOs	16.7	129	Surplus: 9	152	
Goodman					
Hicks & Glenn	11.3	87	Surplus: 51	103	
Solucient	19.0	147	Deficit: -9	173	
Average Requirement	22.0	170	Deficit: -32	200	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Nephrology		772,464	12	1.6	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.6	20	Deficit: -8	24	
Two Mature HMO	1.4	11	Surplus: 1	13	
Adjusted FTE	1.3	10	Surplus: 2	12	
GMENAC	1.1	8	Surplus: 4	10	
Kaiser Portland	0.8	6	Surplus: 6	6	
7 Kaiser Plans	0.7	5	Surplus: 7	6	
GHC Seattle	0.9	7	Surplus: 5	8	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient	0.7	6	Surplus: 6	7	
Average Requirement	1.0	8	Surplus: 4	9	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Neurological Surgery		772,464	5	0.6	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.9	15	Deficit: -10	17	
Two Mature HMO	1.1	8	Deficit: -3	10	
Adjusted FTE	1.0	8	Deficit: -3	9	
GMENAC	1.1	8	Deficit: -3	10	
Kaiser Portland	1.4	11	Deficit: -6		
7 Kaiser Plans					
GHC Seattle	0.4	3	Surplus: 2	4	
Three HMOs					
Goodman	0.7	5	Adequate 0	6	
Hicks & Glenn					
Solucient					
Average Requirement	1.0	8	Deficit: -3	9	

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Neurology	772,464	14	1.8	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	5.0	39	Deficit: -25	46
Two Mature HMO	2.4	19	Deficit: -5	22
Adjusted FTE	2.3	18	Deficit: -4	21
GMENAC	3.3	25	Deficit: -11	30
Kaiser Portland	1.3	10	Surplus: 4	15
7 Kaiser Plans	1.7	13	Surplus: 1	15
GHC Seattle	1.2	9	Surplus: 5	11
Three HMOs				
Goodman	2.1	16	Deficit: -2	19
Hicks & Glenn	1.4	11	Surplus: 3	13
Solucient	1.8	14	Adequate 0	16
Average Requirement	1.9	15	Deficit: -1	17

Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
OB/GYN	772,464	61	7.9	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	14.1	109	Deficit: -48	128
Two Mature HMO	12.1	93	Deficit: -32	110
Adjusted FTE	11.3	87	Deficit: -26	103
GMENAC	9.9	76	Deficit: -15	90
Kaiser Portland	11.6	90	Deficit: -29	105
7 Kaiser Plans	11.5	89	Deficit: -28	105
GHC Seattle	10.0	77	Deficit: -16	91
Three HMOs	8.8	68	Deficit: -7	80
Goodman	8.4	65	Deficit: -4	76
Hicks & Glenn	8.0	62	Deficit: -1	73
Solucient	10.2	79	Deficit: -18	93
Average Requirement	10.2	79	Deficit: -18	93

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Ophthalmology		772,464	14	1.8	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.0	46	Deficit: -32	55	
Two Mature HMO	5.9	46	Deficit: -32	54	
Adjusted FTE	5.5	42	Deficit: -28	50	
GMENAC	4.6	36	Deficit: -22	42	
Kaiser Portland	2.4	19	Deficit: -5	28	
7 Kaiser Plans	3.1	24	Deficit: -10	28	
GHC Seattle	5.0	39	Deficit: -25	46	
Three HMOs					
Goodman	3.5	27	Deficit: -13	32	
Hicks & Glenn	3.2	25	Deficit: -11	29	
Solucient	4.7	36	Deficit: -22	43	
Average Requirement	4.2	32	Deficit: -18	38	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Orthopedic Surgery		772,464	29	3.8	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	8.3	64	Deficit: -35	76	
Two Mature HMO	6.8	53	Deficit: -24	62	
Adjusted FTE	6.4	49	Deficit: -20	58	
GMENAC	6.0	46	Deficit: -17	55	
Kaiser Portland	5.9	46	Deficit: -17	38	
7 Kaiser Plans	4.2	32	Deficit: -3	38	
GHC Seattle	6.7	52	Deficit: -23	61	
Three HMOs	3.0	23	Surplus: 6	27	
Goodman	5.9	46	Deficit: -17	54	
Hicks & Glenn	4.2	32	Deficit: -3	38	
Solucient	6.1	47	Deficit: -18	56	
Average Requirement	5.5	42	Deficit: -13	50	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Otolaryngology		772,464	9	1.2	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.4	26	Deficit: -17	31	
Two Mature HMO	3.2	25	Deficit: -16	29	
Adjusted FTE					
GMENAC	3.2	25	Deficit: -16	29	
Kaiser Portland	3.4	26	Deficit: -17	22	
7 Kaiser Plans	2.4	19	Deficit: -10	22	
GHC Seattle	3.0	23	Deficit: -14	27	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	3.0	23	Deficit: -14	27	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Pathology		772,464	7	0.9	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.3	49	Deficit: -42	57	
Two Mature HMO	1.9	15	Deficit: -8	17	
Adjusted FTE	1.8	14	Deficit: -7	16	
GMENAC	6.4	49	Deficit: -42	58	
Kaiser Portland	3.3	25	Deficit: -18	16	
7 Kaiser Plans	1.8	14	Deficit: -7	16	
GHC Seattle					
Three HMOs					
Goodman	4.1	32	Deficit: -25	37	
Hicks & Glenn					
Solucient					
Average Requirement	3.2	25	Deficit: -18	29	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Pediatrics		772,464	138	17.9	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	24.9	192	Deficit: -54	227	
Two Mature HMO	16.6	128	Surplus: 10	151	
Adjusted FTE	15.5	120	Surplus: 18	141	
GMENAC	12.4	96	Surplus: 42	113	
Kaiser Portland	11.9	92	Surplus: 46	146	
7 Kaiser Plans	16.0	124	Surplus: 14	146	
GHC Seattle					
Three HMOs	9.8	76	Surplus: 62	89	
Goodman					
Hicks & Glenn	7.6	59	Surplus: 79	69	
Solucient	13.9	107	Surplus: 31	127	
Average Requirement	13.0	100	Surplus: 38	118	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Plastic Surgery		772,464	12	1.6	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.4	19	Deficit: -7	22	
Two Mature HMO					
Adjusted FTE					
GMENAC	1.1	8	Surplus: 4	10	
Kaiser Portland	0.3	2	Surplus: 10		
7 Kaiser Plans					
GHC Seattle	0.4	3	Surplus: 9	4	
Three HMOs					
Goodman	1.1	8	Surplus: 4	10	
Hicks & Glenn	2.3	18	Deficit: -6	21	
Solucient	2.2	17	Deficit: -5	20	
Average Requirement	1.2	9	Surplus: 3	11	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Psychiatry		772,464	43	5.6	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	13.6	105	Deficit: -62	124	
Two Mature HMO	7.7	59	Deficit: -16	70	
Adjusted FTE	7.2	56	Deficit: -13	66	
GMENAC	15.4	119	Deficit: -76	140	
Kaiser Portland	5.2	40	Surplus: 3	37	
7 Kaiser Plans	4.1	32	Surplus: 11	37	
GHC Seattle					
Three HMOs					
Goodman	7.2	56	Deficit: -13	66	
Hicks & Glenn	3.9	30	Surplus: 13	36	
Solucient	5.7	44	Deficit: -1	52	
Average Requirement	7.1	55	Deficit: -12	65	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Pulmonary Diseases		772,464	12	1.6	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	27	Deficit: -15	32	
Two Mature HMO	2.0	15	Deficit: -3	18	
Adjusted FTE	1.9	15	Deficit: -3	17	
GMENAC	1.4	11	Surplus: 1	13	
Kaiser Portland	1.4	11	Surplus: 1	9	
7 Kaiser Plans	1.0	8	Surplus: 4	9	
GHC Seattle	1.4	11	Surplus: 1	13	
Three HMOs					
Goodman	1.4	11	Surplus: 1	13	
Hicks & Glenn					
Solucient	1.3	10	Surplus: 2	12	
Average Requirement	1.5	12	Adequate 0	14	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Radiology		772,464	37	4.8	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	88	Deficit: -51	104	
Two Mature HMO	13.6	105	Deficit: -68	124	
Adjusted FTE	13.7	106	Deficit: -69	125	
GMENAC	7.7	59	Deficit: -22	70	
Kaiser Portland	8.5	66	Deficit: -29	43	
7 Kaiser Plans	4.7	36	Surplus: 1	43	
GHC Seattle	7.7	59	Deficit: -22	70	
Three HMOs					
Goodman	8.0	62	Deficit: -25	73	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	70	Deficit: -33	83	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Rheumatology		772,464	5	0.6	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.5	12	Deficit: -7	14	
Two Mature HMO	1.1	8	Deficit: -3	10	
Adjusted FTE	1.0	8	Deficit: -3	9	
GMENAC	0.7	5	Adequate 0	6	
Kaiser Portland	0.4	3	Surplus: 2	6	
7 Kaiser Plans	0.7	5	Adequate 0	6	
GHC Seattle	0.7	5	Adequate 0	6	
Three HMOs					
Goodman	0.4	3	Surplus: 2	4	
Hicks & Glenn					
Solucient	1.3	10	Deficit: -5	12	
Average Requirement	0.8	6	Deficit: -1	7	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
General Surgery		772,464	24	3.1	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	12.5	97	Deficit: -73	114	
Two Mature HMO	9.4	73	Deficit: -49	86	
Adjusted FTE	8.8	68	Deficit: -44	80	
GMENAC	9.7	75	Deficit: -51	88	
Kaiser Portland	7.0	54	Deficit: -30	56	
7 Kaiser Plans	6.2	48	Deficit: -24	56	
GHC Seattle	5.9	46	Deficit: -22	54	
Three HMOs	4.2	32	Deficit: -8	38	
Goodman	9.7	75	Deficit: -51	88	
Hicks & Glenn	4.1	32	Deficit: -8	37	
Solucient	6.0	46	Deficit: -22	55	
Average Requirement	7.1	55	Deficit: -31	65	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Thoracic Surgery		772,464	1	0.1	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.5	12	Deficit: -11	14	
Two Mature HMO					
Adjusted FTE					
GMENAC	0.8	6	Deficit: -5	7	
Kaiser Portland	0.1	1	Adequate 0		
7 Kaiser Plans					
GHC Seattle					
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.5	4	Deficit: -3	5	

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Physician Specialty	2008 Actual			2015 Projected
	Population	Physicians /100k		Population
Urology	772,464	11	1.4	910,677
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need
AMA	3.5	27	Deficit: -16	32
Two Mature HMO	3.5	27	Deficit: -16	32
Adjusted FTE	3.3	25	Deficit: -14	30
GMENAC	3.1	24	Deficit: -13	28
Kaiser Portland	3.3	25	Deficit: -14	21
7 Kaiser Plans	2.3	18	Deficit: -7	21
GHC Seattle	2.9	22	Deficit: -11	26
Three HMOs				
Goodman	2.6	20	Deficit: -9	24
Hicks & Glenn	1.9	15	Deficit: -4	17
Solucient	2.9	22	Deficit: -11	26
Average Requirement	2.9	22	Deficit: -11	26

Report created by Georgia Board for Physician Workforce, State of Georgia

*Standards are presented as rates per 100,000 population

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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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