

Clayton County Physician Standard Report

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Allergy & Immunology		272,705	1	0.4	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.4	4	Deficit: -3	4	
Two Mature HMO	1.5	4	Deficit: -3	4	
Adjusted FTE	1.4	4	Deficit: -3	4	
GMENAC	0.8	2	Deficit: -1	2	
Kaiser Portland	1.7	5	Deficit: -4	3	
7 Kaiser Plans	1.2	3	Deficit: -2	3	
GHC Seattle	1.1	3	Deficit: -2	3	
Three HMOs					
Goodman	1.3	4	Deficit: -3	4	
Hicks & Glenn					
Solucient	1.7	5	Deficit: -4	5	
Average Requirement	1.3	4	Deficit: -3	4	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Anesthesiology		272,705	14	5.1	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.0	38	Deficit: -24	41	
Two Mature HMO	9.7	26	Deficit: -12	28	
Adjusted FTE	9.1	25	Deficit: -11	26	
GMENAC	8.9	24	Deficit: -10	26	
Kaiser Portland	5.9	16	Deficit: -2	11	
7 Kaiser Plans	3.9	11	Surplus: 3	11	
GHC Seattle	9.0	25	Deficit: -11	26	
Three HMOs					
Goodman	7.0	19	Deficit: -5	20	
Hicks & Glenn					
Solucient					
Average Requirement	7.6	21	Deficit: -7	22	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Cardiovascular Diseases		272,705	14	5.1	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	7.5	20	Deficit: -6	22	
Two Mature HMO	5.4	15	Deficit: -1	16	
Adjusted FTE	5.0	14	Adequate 0	15	
GMENAC	3.1	8	Surplus: 6	9	
Kaiser Portland	3.0	8	Surplus: 6	5	
7 Kaiser Plans	1.8	5	Surplus: 9	5	
GHC Seattle	2.9	8	Surplus: 6	8	
Three HMOs					
Goodman	3.6	10	Surplus: 4	10	
Hicks & Glenn	2.6	7	Surplus: 7	8	
Solucient	4.2	12	Surplus: 2	12	
Average Requirement	3.5	10	Surplus: 4	10	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Dermatology		272,705	2	0.7	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.7	10	Deficit: -8	11	
Two Mature HMO	2.8	8	Deficit: -6	8	
Adjusted FTE	2.6	7	Deficit: -5	8	
GMENAC	2.8	8	Deficit: -6	8	
Kaiser Portland	2.5	7	Deficit: -5	7	
7 Kaiser Plans	2.4	7	Deficit: -5	7	
GHC Seattle	2.6	7	Deficit: -5	8	
Three HMOs	1.6	4	Deficit: -2	5	
Goodman	1.4	4	Deficit: -2	4	
Hicks & Glenn	2.1	6	Deficit: -4	6	
Solucient	3.1	9	Deficit: -7	9	
Average Requirement	2.4	7	Deficit: -5	7	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Emergency Medicine		272,705	14	5.1	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	10.5	29	Deficit: -15	31	
Two Mature HMO	5.5	15	Deficit: -1	16	
Adjusted FTE	5.2	14	Adequate 0	15	
GMENAC	5.4	15	Deficit: -1	16	
Kaiser Portland	6.7	18	Deficit: -4	15	
7 Kaiser Plans	5.3	14	Adequate 0	15	
GHC Seattle					
Three HMOs					
Goodman	2.7	7	Surplus: 7	8	
Hicks & Glenn					
Solucient	12.4	34	Deficit: -20	36	
Average Requirement	6.2	17	Deficit: -3	18	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Endocrinology, Diabetes & Metabolism		272,705	1	0.4	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.8	5	Deficit: -4	5	
Two Mature HMO	1.1	3	Deficit: -2	3	
Adjusted FTE	1.0	3	Deficit: -2	3	
GMENAC	0.8	2	Deficit: -1	2	
Kaiser Portland	0.9	2	Deficit: -1	3	
7 Kaiser Plans	1.1	3	Deficit: -2	3	
GHC Seattle					
Three HMOs	0.6	2	Deficit: -1	2	
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.9	2	Deficit: -1	3	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
Family Practice		272,705	32	11.7	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	31.5	86	Deficit: -54		92
Two Mature HMO	45.6	124	Deficit: -92		133
Adjusted FTE	42.6	116	Deficit: -84		124
GMENAC	25.2	69	Deficit: -37		73
Kaiser Portland	16.7	46	Deficit: -14		32
7 Kaiser Plans	11.0	30	Surplus: 2		32
GHC Seattle					
Three HMOs	9.2	25	Surplus: 7		27
Goodman					
Hicks & Glenn	16.2	44	Deficit: -12		47
Solucient	22.5	61	Deficit: -29		66
Average Requirement	23.6	64	Deficit: -32		69

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians	/100k	Population
Gastroenterology		272,705	5	1.8	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	4.2	11	Deficit: -6		12
Two Mature HMO	3.1	8	Deficit: -3		9
Adjusted FTE					
GMENAC	3.2	9	Deficit: -4		9
Kaiser Portland	1.7	5	Adequate 0		5
7 Kaiser Plans	1.7	5	Adequate 0		5
GHC Seattle					
Three HMOs					
Goodman	1.3	4	Surplus: 1		4
Hicks & Glenn					
Solucient	3.5	10	Deficit: -5		10
Average Requirement	2.4	7	Deficit: -2		7

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Infectious Disease		272,705	3	1.1	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	2.2	6	Deficit: -3		6
Two Mature HMO	0.7	2	Surplus: 1		2
Adjusted FTE	0.6	2	Surplus: 1		2
GMENAC	0.9	2	Surplus: 1		3
Kaiser Portland	1.2	3	Adequate 0		2
7 Kaiser Plans	0.7	2	Surplus: 1		2
GHC Seattle	0.6	2	Surplus: 1		2
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	0.8	2	Surplus: 1		2

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Status	Population
Internal Medicine		272,705	44	16.1	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status		Physician Need
AMA	53.1	145	Deficit: -101		155
Two Mature HMO	21.4	58	Deficit: -14		62
Adjusted FTE	20.0	55	Deficit: -11		58
GMENAC	28.8	79	Deficit: -35		84
Kaiser Portland	28.1	77	Deficit: -33		88
7 Kaiser Plans	30.3	83	Deficit: -39		88
GHC Seattle					
Three HMOs	16.7	46	Deficit: -2		49
Goodman					
Hicks & Glenn	11.3	31	Surplus: 13		33
Solucient	19.0	52	Deficit: -8		55
Average Requirement	22.0	60	Deficit: -16		64

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Nephrology		272,705	5	1.8	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.6	7	Deficit: -2	8	
Two Mature HMO	1.4	4	Surplus: 1	4	
Adjusted FTE	1.3	4	Surplus: 1	4	
GMENAC	1.1	3	Surplus: 2	3	
Kaiser Portland	0.8	2	Surplus: 3	2	
7 Kaiser Plans	0.7	2	Surplus: 3	2	
GHC Seattle	0.9	2	Surplus: 3	3	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient	0.7	2	Surplus: 3	2	
Average Requirement	1.0	3	Surplus: 2	3	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Neurological Surgery		272,705	1	0.4	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.9	5	Deficit: -4	6	
Two Mature HMO	1.1	3	Deficit: -2	3	
Adjusted FTE	1.0	3	Deficit: -2	3	
GMENAC	1.1	3	Deficit: -2	3	
Kaiser Portland	1.4	4	Deficit: -3		
7 Kaiser Plans					
GHC Seattle	0.4	1	Adequate 0	1	
Three HMOs					
Goodman	0.7	2	Deficit: -1	2	
Hicks & Glenn					
Solucient					
Average Requirement	1.0	3	Deficit: -2	3	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Neurology		272,705	7	2.6	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	5.0	14	Deficit: -7	15	
Two Mature HMO	2.4	7	Adequate 0	7	
Adjusted FTE	2.3	6	Surplus: 1	7	
GMENAC	3.3	9	Deficit: -2	10	
Kaiser Portland	1.3	4	Surplus: 3	5	
7 Kaiser Plans	1.7	5	Surplus: 2	5	
GHC Seattle	1.2	3	Surplus: 4	3	
Three HMOs					
Goodman	2.1	6	Surplus: 1	6	
Hicks & Glenn	1.4	4	Surplus: 3	4	
Solucient	1.8	5	Surplus: 2	5	
Average Requirement	1.9	5	Surplus: 2	6	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
OB/GYN		272,705	20	7.3	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	14.1	38	Deficit: -18	41	
Two Mature HMO	12.1	33	Deficit: -13	35	
Adjusted FTE	11.3	31	Deficit: -11	33	
GMENAC	9.9	27	Deficit: -7	29	
Kaiser Portland	11.6	32	Deficit: -12	33	
7 Kaiser Plans	11.5	31	Deficit: -11	33	
GHC Seattle	10.0	27	Deficit: -7	29	
Three HMOs	8.8	24	Deficit: -4	26	
Goodman	8.4	23	Deficit: -3	24	
Hicks & Glenn	8.0	22	Deficit: -2	23	
Solucient	10.2	28	Deficit: -8	30	
Average Requirement	10.2	28	Deficit: -8	30	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Ophthalmology		272,705	8	2.9	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.0	16	Deficit: -8	17	
Two Mature HMO	5.9	16	Deficit: -8	17	
Adjusted FTE	5.5	15	Deficit: -7	16	
GMENAC	4.6	13	Deficit: -5	13	
Kaiser Portland	2.4	7	Surplus: 1	9	
7 Kaiser Plans	3.1	8	Adequate 0	9	
GHC Seattle	5.0	14	Deficit: -6	15	
Three HMOs					
Goodman	3.5	10	Deficit: -2	10	
Hicks & Glenn	3.2	9	Deficit: -1	9	
Solucient	4.7	13	Deficit: -5	14	
Average Requirement	4.2	11	Deficit: -3	12	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k	Physician Need	Population
Orthopedic Surgery		272,705	12	4.4	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	8.3	23	Deficit: -11	24	
Two Mature HMO	6.8	19	Deficit: -7	20	
Adjusted FTE	6.4	17	Deficit: -5	19	
GMENAC	6.0	16	Deficit: -4	17	
Kaiser Portland	5.9	16	Deficit: -4	12	
7 Kaiser Plans	4.2	11	Surplus: 1	12	
GHC Seattle	6.7	18	Deficit: -6	19	
Three HMOs	3.0	8	Surplus: 4	9	
Goodman	5.9	16	Deficit: -4	17	
Hicks & Glenn	4.2	11	Surplus: 1	12	
Solucient	6.1	17	Deficit: -5	18	
Average Requirement	5.5	15	Deficit: -3	16	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Otolaryngology		272,705	8	2.9	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.4	9	Deficit: -1	10	
Two Mature HMO	3.2	9	Deficit: -1	9	
Adjusted FTE					
GMENAC	3.2	9	Deficit: -1	9	
Kaiser Portland	3.4	9	Deficit: -1	7	
7 Kaiser Plans	2.4	7	Surplus: 1	7	
GHC Seattle	3.0	8	Adequate 0	9	
Three HMOs					
Goodman					
Hicks & Glenn					
Solucient					
Average Requirement	3.0	8	Adequate 0	9	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Pathology		272,705	6	2.2	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	6.3	17	Deficit: -11	18	
Two Mature HMO	1.9	5	Surplus: 1	6	
Adjusted FTE	1.8	5	Surplus: 1	5	
GMENAC	6.4	17	Deficit: -11	19	
Kaiser Portland	3.3	9	Deficit: -3	5	
7 Kaiser Plans	1.8	5	Surplus: 1	5	
GHC Seattle					
Three HMOs					
Goodman	4.1	11	Deficit: -5	12	
Hicks & Glenn					
Solucient					
Average Requirement	3.2	9	Deficit: -3	9	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Pediatrics		272,705	37	13.6	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	24.9	68	Deficit: -31	72	
Two Mature HMO	16.6	45	Deficit: -8	48	
Adjusted FTE	15.5	42	Deficit: -5	45	
GMENAC	12.4	34	Surplus: 3	36	
Kaiser Portland	11.9	32	Surplus: 5	47	
7 Kaiser Plans	16.0	44	Deficit: -7	47	
GHC Seattle					
Three HMOs	9.8	27	Surplus: 10	29	
Goodman					
Hicks & Glenn	7.6	21	Surplus: 16	22	
Solucient	13.9	38	Deficit: -1	40	
Average Requirement	13.0	35	Surplus: 2	38	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Plastic Surgery		272,705	1	0.4	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	2.4	7	Deficit: -6	7	
Two Mature HMO					
Adjusted FTE					
GMENAC	1.1	3	Deficit: -2	3	
Kaiser Portland	0.3	1	Adequate 0		
7 Kaiser Plans					
GHC Seattle	0.4	1	Adequate 0	1	
Three HMOs					
Goodman	1.1	3	Deficit: -2	3	
Hicks & Glenn	2.3	6	Deficit: -5	7	
Solucient	2.2	6	Deficit: -5	6	
Average Requirement	1.2	3	Deficit: -2	3	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Psychiatry		272,705	14	5.1	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	13.6	37	Deficit: -23	40	
Two Mature HMO	7.7	21	Deficit: -7	22	
Adjusted FTE	7.2	20	Deficit: -6	21	
GMENAC	15.4	42	Deficit: -28	45	
Kaiser Portland	5.2	14	Adequate 0	12	
7 Kaiser Plans	4.1	11	Surplus: 3	12	
GHC Seattle					
Three HMOs					
Goodman	7.2	20	Deficit: -6	21	
Hicks & Glenn	3.9	11	Surplus: 3	11	
Solucient	5.7	16	Deficit: -2	17	
Average Requirement	7.1	19	Deficit: -5	21	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Pulmonary Diseases		272,705	7	2.6	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	10	Deficit: -3	10	
Two Mature HMO	2.0	5	Surplus: 2	6	
Adjusted FTE	1.9	5	Surplus: 2	6	
GMENAC	1.4	4	Surplus: 3	4	
Kaiser Portland	1.4	4	Surplus: 3	3	
7 Kaiser Plans	1.0	3	Surplus: 4	3	
GHC Seattle	1.4	4	Surplus: 3	4	
Three HMOs					
Goodman	1.4	4	Surplus: 3	4	
Hicks & Glenn					
Solucient	1.3	4	Surplus: 3	4	
Average Requirement	1.5	4	Surplus: 3	4	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Radiology		272,705	16	5.9	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	11.4	31	Deficit: -15	33	
Two Mature HMO	13.6	37	Deficit: -21	40	
Adjusted FTE	13.7	37	Deficit: -21	40	
GMENAC	7.7	21	Deficit: -5	22	
Kaiser Portland	8.5	23	Deficit: -7	14	
7 Kaiser Plans	4.7	13	Surplus: 3	14	
GHC Seattle	7.7	21	Deficit: -5	22	
Three HMOs					
Goodman	8.0	22	Deficit: -6	23	
Hicks & Glenn					
Solucient					
Average Requirement	9.1	25	Deficit: -9	26	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Rheumatology		272,705	2	0.7	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	1.5	4	Deficit: -2	4	
Two Mature HMO	1.1	3	Deficit: -1	3	
Adjusted FTE	1.0	3	Deficit: -1	3	
GMENAC	0.7	2	Adequate 0	2	
Kaiser Portland	0.4	1	Surplus: 1	2	
7 Kaiser Plans	0.7	2	Adequate 0	2	
GHC Seattle	0.7	2	Adequate 0	2	
Three HMOs					
Goodman	0.4	1	Surplus: 1	1	
Hicks & Glenn					
Solucient	1.3	4	Deficit: -2	4	
Average Requirement	0.8	2	Adequate 0	2	

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Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
General Surgery		272,705	16	5.9	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	12.5	34	Deficit: -18	36	
Two Mature HMO	9.4	26	Deficit: -10	27	
Adjusted FTE	8.8	24	Deficit: -8	26	
GMENAC	9.7	26	Deficit: -10	28	
Kaiser Portland	7.0	19	Deficit: -3	18	
7 Kaiser Plans	6.2	17	Deficit: -1	18	
GHC Seattle	5.9	16	Adequate 0	17	
Three HMOs	4.2	11	Surplus: 5	12	
Goodman	9.7	26	Deficit: -10	28	
Hicks & Glenn	4.1	11	Surplus: 5	12	
Solucient	6.0	16	Adequate 0	17	
Average Requirement	7.1	19	Deficit: -3	21	

Physician Specialty		2008 Actual			2015 Projected
		Population	Physicians /100k		Population
Urology		272,705	7	2.6	290,965
National Physician Standards*	Standard Phys/100,000 Pop.	Physician Need	Status	Physician Need	
AMA	3.5	10	Deficit: -3	10	
Two Mature HMO	3.5	10	Deficit: -3	10	
Adjusted FTE	3.3	9	Deficit: -2	10	
GMENAC	3.1	8	Deficit: -1	9	
Kaiser Portland	3.3	9	Deficit: -2	7	
7 Kaiser Plans	2.3	6	Surplus: 1	7	
GHC Seattle	2.9	8	Deficit: -1	8	
Three HMOs					
Goodman	2.6	7	Adequate 0	8	
Hicks & Glenn	1.9	5	Surplus: 2	6	
Solucient	2.9	8	Deficit: -1	8	
Average Requirement	2.9	8	Deficit: -1	8	

Clayton County Physician Standard Report

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.
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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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