

DRAFT VERSION Rate Models for SUD Residential Services by ASAM Level 3

Formulas

ASAM 3.1	ASAM 3.3	ASAM 3.5	ASAM 3.7	ASAM 3.7-WM
Clinically Managed Low- Intensity Residential Treatment	Clinically Managed Population- specific High Intensity Residential Treatment	Clinically Managed High Intensity Residential Treatment	Medically Monitored Inpatient Residential Treatment	Medically Monitored Inpatient Withdrawal Management

Current Billing Code

H2034

H2036-HI

H2036

H2033-TG

H0011

Assumption for Number of Clients

16

16

16

16

16

Physician (addiction- credentialed)	Salary	(1)	\$96.80	\$96.80	\$96.80	\$96.80	\$96.80
	Expressed as an Annual Salary	(2) = (1)*2080	\$201,343	\$201,343	\$201,343	\$201,343	\$201,343
	Employee Benefits Percentage	(3)	23.8%	23.8%	23.8%	23.8%	23.8%
	Hourly Cost with Employee Benefits	(4) = (1)*(1+(3))	\$119.82	\$119.82	\$119.82	\$119.82	\$119.82
	Assumption of Hours for Week	(5)	2.00	2.00	2.00	2.00	10.00
	Total Costs for Staff Level for Week	(6) = (4)*(5)	\$239.64	\$239.64	\$239.64	\$239.64	\$1,198.18
Physician (primary care)	Salary	(7)		\$92.19	\$92.19	\$92.19	\$92.19
	Expressed as an Annual Salary	(8) = (7)*2080		\$191,755	\$191,755	\$191,755	\$191,755
	Employee Benefits Percentage	(9)		24.2%	24.2%	24.2%	24.2%
	Hourly Cost with Employee Benefits	(10) = (7)*(1+(9))		\$114.54	\$114.54	\$114.54	\$114.54
	Assumption of Hours for Week	(11)		1.00	1.00	2.50	7.50
	Total Costs for Staff Level for Week	(12) = (10)*(11)		\$114.54	\$114.54	\$286.35	\$859.04
Physician Assistant	Salary	(13)		\$61.27	\$61.27	\$61.27	\$61.27
	Expressed as an Annual Salary	(14) = (13)*2080		\$127,442	\$127,442	\$127,442	\$127,442
	Employee Benefits Percentage	(15)		29.1%	29.1%	29.1%	29.1%
	Hourly Cost with Employee Benefits	(16) = (13)*(1+(15))		\$79.10	\$79.10	\$79.10	\$79.10
	Assumption of Hours for Week	(17)		1.50	1.50	5.00	7.50
	Total Costs for Staff Level for Week	(18) = (16)*(17)		\$118.65	\$118.65	\$395.51	\$593.27
Psychiatrist	Salary	(19)		\$97.65	\$97.65	\$97.65	\$97.65
	Expressed as an Annual Salary	(20) = (19)*2080		\$203,112	\$203,112	\$203,112	\$203,112
	Employee Benefits Percentage	(21)		23.7%	23.7%	23.7%	23.7%
	Hourly Cost with Employee Benefits	(22) = (19)*(1+(21))		\$120.76	\$120.76	\$120.76	\$120.76
	Assumption of Hours for Week	(23)		5.00	5.00	10.00	15.00
	Total Costs for Staff Level for Week	(24) = (22)*(23)		\$603.82	\$603.82	\$1,207.63	\$1,811.45
Registered Nurse	Salary	(25)		\$43.64	\$43.64	\$43.64	\$43.64
	Expressed as an Annual Salary	(26) = (25)*2080		\$90,771	\$90,771	\$90,771	\$90,771
	Employee Benefits Percentage	(27)		33.2%	33.2%	33.2%	33.2%
	Hourly Cost with Employee Benefits	(28) = (25)*(1+(27))		\$58.12	\$58.12	\$58.12	\$58.12
	Assumption of Hours for Week	(29)		40.00	40.00	56.00	56.00
	Total Costs for Staff Level for Week	(30) = (28)*(29)		\$2,324.98	\$2,324.98	\$3,254.97	\$3,254.97

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Current Billing Code			H2034	H2036-HI	H2036	H2033-TG	H0011
Assumption for Number of Clients			16	16	16	16	16
Licensed Practical Nurse	Salary	(31)				\$29.72	\$29.72
	Expressed as an Annual Salary	(32) = (31)*2080				\$61,818	\$61,818
	Employee Benefits Percentage	(33)				39.9%	39.9%
	Hourly Cost with Employee Benefits	(34) = (31)*(1+(33))				\$41.57	\$41.57
	Assumption of Hours for Week	(35)				168.00	168.00
	Total Costs for Staff Level for Week	(36) = (34)*(35)				\$6,983.96	\$6,983.96
Licensed Practitioner	Salary	(37)	\$45.98	\$45.98	\$45.98	\$45.98	\$45.98
	Expressed as an Annual Salary	(38) = (37)*2080	\$95,638	\$95,638	\$95,638	\$95,638	\$95,638
	Employee Benefits Percentage	(39)	32.6%	32.6%	32.6%	32.6%	32.6%
	Hourly Cost with Employee Benefits	(40) = (37)*(1+(39))	\$60.96	\$60.96	\$60.96	\$60.96	\$60.96
	Assumption of Hours for Week	(41)	56.00	112.00	112.00	112.00	112.00
	Total Costs for Staff Level for Week	(42) = (40)*(41)	\$3,413.65	\$6,827.31	\$6,827.31	\$6,827.31	\$6,827.31
Practitioner for referral arrangements	Salary	(43)	\$29.12	\$29.12	\$29.12	\$29.12	\$29.12
	Expressed as an Annual Salary	(44) = (43)*2080	\$60,570	\$60,570	\$60,570	\$60,570	\$60,570
	Employee Benefits Percentage	(45)	39.9%	39.9%	39.9%	39.9%	39.9%
	Hourly Cost with Employee Benefits	(46) = (43)*(1+(45))	\$40.73	\$40.73	\$40.73	\$40.73	\$40.73
	Assumption of Hours for Week	(47)	40.00	40.00	40.00	40.00	40.00
	Total Costs for Staff Level for Week	(48) = (46)*(47)	\$1,629.28	\$1,629.28	\$1,629.28	\$1,629.28	\$1,629.28
Recovery Coach	Salary	(49)	\$23.74				\$23.74
	Expressed as an Annual Salary	(50) = (49)*2080	\$49,379				\$49,379
	Employee Benefits Percentage	(51)	45.2%				45.2%
	Hourly Cost with Employee Benefits	(52) = (49)*(1+(51))	\$34.48				\$34.48
	Assumption of Hours for Week	(53)	112.00				112.00
	Total Costs for Staff Level for Week	(54) = (52)*(53)	\$3,861.57				\$3,861.57
Behavioral Health Technician or Certified Peer (for ASAM 3.1 only, House Manager)	Salary	(55)	\$24.46	\$24.46	\$24.46	\$24.46	\$24.46
	Expressed as an Annual Salary	(56) = (55)*2080	\$50,877	\$50,877	\$50,877	\$50,877	\$50,877
	Employee Benefits Percentage	(57)	44.2%	44.2%	44.2%	44.2%	44.2%
	Hourly Cost with Employee Benefits	(58) = (55)*(1+(57))	\$35.26	\$35.26	\$35.26	\$35.26	\$35.26
	Assumption of Hours for Week	(59)	56.00	168.00	168.00	168.00	168.00
	Total Costs for Staff Level for Week	(60) = (58)*(59)	\$1,974.56	\$5,923.69	\$5,923.69	\$5,923.69	\$5,923.69

DRAFT VERSION Rate Models for SUD Residential Services by ASAM Level 3

Formulas

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Clinically Managed Low- Intensity Residential Treatment	Clinically Managed Population- specific High Intensity Residential Treatment	Clinically Managed High Intensity Residential Treatment	Medically Monitored Inpatient Residential Treatment	Medically Monitored Inpatient Withdrawal Management

Current Billing Code

H2034

H2036-HI

H2036

H2033-TG

H0011

Assumption for Number of Clients

16

16

16

16

16

Total Labor	Formulas	H2034	H2036-HI	H2036	H2033-TG	H0011
		16	16	16	16	16
Hours at Residential Facility, Weekly	(61) = (5)+(11)+(17)+(23)+(29)+(35)+(41)+(47)+(53)+(59)	266.00	369.50	369.50	563.50	696.00
Average Hours Per Client Per Week	(62) = (61) / 16	16.6	23.1	23.1	35.2	43.5
Average Hours Per Client Per Day	(63) = (62) / 7	2.4	3.3	3.3	5.0	6.2
Labor Costs at Residential Facility, Weekly	(64) = (6)+(12)+(18)+(24)+(30)+(36)+(42)+(48)+(54)+(60)	\$11,119	\$17,782	\$17,782	\$26,748	\$32,943
Average Cost Per Client Per Week	(65) = (64) / 16	\$695	\$1,111	\$1,111	\$1,672	\$2,059
Labor Costs Per Client Per Day	(66) = (65) / 7	\$99.27	\$158.77	\$158.77	\$238.82	\$294.13
FTEs Per Week	(67) = (61) / 40	6.7	9.2	9.2	14.1	17.4
Weighted Average Labor Cost Per Hour	(68) = (64) / (61)	\$41.80	\$48.12	\$48.12	\$47.47	\$47.33

Transportation	Formulas	H2034	H2036-HI	H2036	H2033-TG	H0011
		\$0.56	\$0.56	\$0.56	\$0.56	\$0.56
Federal Mileage Reimbursement Rate	(69)	\$0.56	\$0.56	\$0.56	\$0.56	\$0.56
Total Miles Driven Per Week	(70)	200	200	200	200	200
Weekly Transportation Costs, Non Labor	(71) = (69) * (70)	\$112.00	\$112.00	\$112.00	\$112.00	\$112.00
Driver Salary	(72)	\$16.00	\$16.00	\$16.00	\$16.00	\$16.00
Expressed as an Annual Salary	(73) = (72)*2080	\$33,280	\$33,280	\$33,280	\$33,280	\$33,280
Employee Benefits Percentage	(74)	56.6%	56.6%	56.6%	56.6%	56.6%
Hourly Cost with Employee Benefits	(75) = (72)*(1+(74))	\$25.05	\$25.05	\$25.05	\$25.05	\$25.05
Assumption of Hours for Week	(76)	40.00	40.00	40.00	40.00	40.00
Total Transportation Labor for Week	(77) = (75)*(76)	\$1,001.98	\$1,001.98	\$1,001.98	\$1,001.98	\$1,001.98
Weekly Transportation Costs, Labor + Non Labor	(78) = (71)+(77)	\$1,113.98	\$1,113.98	\$1,113.98	\$1,113.98	\$1,113.98
Average Cost Per Client Per Week	(79) = (78) / 16	\$69.62	\$69.62	\$69.62	\$69.62	\$69.62
Transportation Costs Per Client Per Day	(80) = (79) / 7	\$9.95	\$9.95	\$9.95	\$9.95	\$9.95

Program Expenses	Formulas	H2034	H2036-HI	H2036	H2033-TG	H0011
		\$41.80	\$48.12	\$48.12	\$47.47	\$47.33
Weighted Average Labor Cost Per Hour	(81) = (68)	\$41.80	\$48.12	\$48.12	\$47.47	\$47.33
Total Annual Training Hours Given, All Staff	(82) = (67)*60	399	554	554	845	1044
Total Annual Training Costs, Staff Time to Attend	(83) = (81)*(82)	\$16,678	\$26,673	\$26,673	\$40,122	\$49,414
Total Annual Costs to Administer Training	(84)	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Total Annual Costs for Quality Assurance	(85)	\$50,000	\$65,000	\$65,000	\$75,000	\$75,000
Total Annual Client Costs Other than Room & Board	(86) = value * (88)	\$58,400	\$87,600	\$87,600	\$105,120	\$105,120

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	Current Billing Code		H2034	H2036-HI	H2036	H2033-TG	H0011
	Assumption for Number of Clients		16	16	16	16	16
	Total Annual Costs for Program Expenses	(87) = (83)+(84)+(85)+(86)	\$175,078	\$229,273	\$229,273	\$270,242	\$279,534
	Total Annual Patient Days at Full Capacity	(88) = 16 * 365 days	5,840	5,840	5,840	5,840	5,840
	Program Costs Per Client Per Day	(89) = (87) / (88)	\$29.98	\$39.26	\$39.26	\$46.27	\$47.87
Non-Administrative	TOTAL LABOR, TRANSPORTATION & PROGRAM	(90) = (66)+(80)+(89)	\$139.20	\$207.97	\$207.97	\$295.05	\$351.94
Administrative	Assumption for Administrative Expenses	(91)	18.0%	18.0%	18.0%	18.0%	18.0%
	Administrative Costs Per Client Per Day	(92) = (90)*(91)	\$25.06	\$37.44	\$37.44	\$53.11	\$63.35
Final Rate with Vacancy Assumption	Total Costs Per Client Per Day	(93) = (90)+(92)	\$164.26	\$245.41	\$245.41	\$348.15	\$415.29
	Assumption for Vacancy (1 bed unfilled each day)	(94)	93.75%	93.75%	93.75%	93.75%	93.75%
	Imputed Rate to Account for Vacancy	(95) = (93) / (94)	\$175.21	\$261.77	\$261.77	\$371.36	\$442.98
	Current Rate		\$150.53	\$189.44	\$189.44	\$291.65	\$354.67
	Dollar Difference: Proposed vs Current Rate		\$24.68	\$72.33	\$72.33	\$79.71	\$88.31
	Percent Difference: Proposed vs Current Rate		16.4%	38.2%	38.2%	27.3%	24.9%