

Table XX: Distribution of MN HCBS Waiver Participants in 1999 by County Type				
County Type	Number of HCBS Waiver Participants	% of HCBS Waiver Participants	Number of People in Sample	% of People in Sample
Twin Cities	2930	44.7%	204	43%
Out state Populous	1281	19.6%	84	18.6%
Rural	2337	35.7%	182	38.4%
Total	6,548	100.0%	474	100%

Table XX: County for Sample Members			
County	County of Financial Responsibility	County	County of Financial Responsibility
<u>Urban</u>		<u>Rural</u>	
Anoka	24	Becker	13
Hennepin	126	Carlton	19
Ramsey	44	Faribault	22
Washington	10	Le Sueur	26
<u>Out state Populous</u>		Mahnomen	5
Blue Earth	1	Martin	20
Clay	13	Meeker	12
Crow Wing	10	Norman	3
Olmsted	13	Redwood	15
Sherburne	6	Stevens	6
Stearns	15	Steele	20
St. Louis	30	Wabasha	18
		Watonwan	3
Total			474

Table XX: Demographic Characteristics of Sample Members					
Characteristic	Waiver Non-Sample		Sample		X2/Sig.
	Number	Percent	Number	Percent	
<u>Gender</u>					
Male	3,804	58.1%	247	52.1%	6.49*
Female	2,744	41.9%	227	47.9%	
<u>Level of Mental Retardation</u>					6.58
Related condition	213	3.3%	15	3.2%	1.42
Mild	2,189	33.4%	141	29.7%	
Moderate	1,745	26.6%	141	29.7%	
Severe	1,318	20.1%	91	19.2%	
Profound	1,057	16.1%	86	18.1%	
MR - not specified	26	0.4%	0	0.0%	
<u>Region</u>					10.1*
Metro	2,930	44.7%	204	43.0%	
Urban Out state	1,281	19.6%	88	18.6%	
Rural	2,337	35.7%	182	38.4%	
<u>Race/Ethnicity</u>					7.56*
Black non-Hispanic	157	2.4%	17	3.6%	
American Indian/Alaskan Native	92	1.4%	9	1.9%	
Asian/Pacific Islander	43	0.7%	8	1.7%	
Hispanic	36	0.6%	3	0.6%	
White	6,212	95.0%	437	92.2%	
<u>White/Non-white</u>					5.5
Non-white	328	5.0%	37	7.8%	
White	6,212	95.0%	437	92.2%	
<u>Age group</u>					
0 to 5 years	43	0.7%	4	0.8%	5.5
6 to 17 years	752	11.5%	64	13.5%	
18 to 39 years	3,012	46.0%	193	40.7%	
40 to 64 years	2,320	35.4%	179	37.8%	
65+ years	421	6.4%	34	7.2%	

* p < .05

** p < .01

Demographic Characteristics - 2					
Characteristic	Waiver Non-Sample		Sample		X2/Sig.
	Number	Percent	Number	Percent	
<u>Waiver allocation profile</u>					2.76
1	382	5.8%	22	4.6%	
2	785	12.0%	52	11.0%	
3	864	13.2%	68	14.3%	
4	353	5.4%	22	4.6%	
Base allocation	4,162	63.6%	310	65.4%	
<u>Guardianship status</u>					13.24*
Private guardian/conservator	3,138	47.9%	205	43.2%	
Public guardian/conservator	1,877	28.8%	162	34.2%	
Parent is guardian/ Under 18	743	11.3%	60	12.7%	
County is legal representative/ Under 18	21	.3%	4	.8%	
Guardian ad Litem	9	.1%	1	.2%	
No guardian needed	750	11.5%	42	8.9%	
<u>Health related characteristics</u>					
Requires assistance for self- preservation	5,521	84.4%	389	82.2%	3.48
Has serious or specialized medical needs	5,084	77.7%	372	78.5%	3.20
Speech is difficult to understand/has no speech	3,251	49.7%	245	51.7%	5.79
Has impairment in motor skills	3,529	53.9%	250	52.7%	4.13
Has history of or current seizures	2,540	39.1%	191	40.8%	3.18
Comprehension of communication is limited	1,209	18.6%	96	20.4%	5.62
Has mobility impairment	1,442	22.2%	114	24.1%	5.61
Has a vision impairment that is not totally corrected	1,359	21.3%	124	27%	10.89*
Has a hearing loss requiring correction	744	11.5%	46	9.8%	4.44

Skills and Challenging Behavior					
Characteristic	Waiver Non-Sample		Sample		X2
	Number	Percent	Number	Percent	
<u>Vocational skills (for adults)</u>					7.55
Independent or needs minimal support	1,025	16.1%	78	17.1%	
Needs moderate support	2,381	37.3%	169	37.1%	
Needs intensive support	2,147	33.7%	151	33.1%	
<u>DTH Service Level</u>					.54
Minimal	1,568	23.9%	113	23.8%	
Moderate	3,836	58.6%	272	57.4%	
Intensive	1,144	17.5%	89	18.8%	
<u>Independent Living Skills (Percent who need more than minimal supervision)</u>					
Money management	6,426	98.4%	468	98.7%	3.32
Community living skills	6,066	92.7%	436	92.2	1.55
Household management	5,905	90.3%	431	91.0%	4.78
Leisure skills	5,193	79.3%	373	78.7%	2.18
Self-care	4,357	66.6%	314	66.3%	4.40
<u>Level of Support</u>					
24 hour plan of care	4,956	75.7%	362	76.4%	.113
24 hour awake supervision	1,592	24.3%	112	23.6%	
<u>Challenging Behavior (Percent with mild to very severe challenging behavior)</u>					
Temper outbursts	4,246	64.9%	294	62.0%	2.24
Aggressive, Physical	3,310	50.6%	253	53.5%	3.57
Aggressive, Verbal/Gestural	3,572	54.6%	244	51.5%	2.42
Injurious to self	2,886	44.1%	210	44.3%	3.80
Property destruction	2,654	40.6%	190	40.1%	1.12
Inappropriate sexual behavior	1,872	28.6%	122	25.7%	4.74
Runs away	1,371	21.0	77	16.2	6.22
Eating non-nutritive substances	859	13.1%	64	13.5%	.92
Breaks laws	536	8.2%	28	5.9	3.9
Other	1,678	25.8%	138	29.4%	6.99

Services Currently Receiving					
Characteristic	Waiver Non-Sample		Sample		X2/Sig
	Number	Percent	Number	Percent	
<u>Current Residence</u>					
Lives in foster care shift staff	4267	65.2%	327	69.0%	2.86
Lives with live in foster care giver	508	7.8%	22	4.6%	6.15*
Lives with foster family	365	5.6%	32	6.8%	1.15
Lives with immediate family	1036	15.8%	66	13.9%	1.20
Lives with extended family	30	0.5%	0	0.0%	2.18
Own home with Lt 24 hr support	262	4.0%	22	4.6%	0.47
Own home w/ 24 hr support	31	0.5%	2	0.4%	0.03
Other residence	62	0.9%	4	0.8%	0.05
<u>Education</u>					
In school	1147	17.5%	92	19.4%	1.09
Adult education	14	0.2%	2	0.4%	0.84
Jobs and training	614	9.4%	34	7.2%	2.56
<u>Current Waiver Funded Services</u>					
Case management	6,518	99.5%	474	100%	2.18
SLS	5,437	83.0%	408	86.1%	2.93
DTH	4,435	67.7%	331	69.8%	.90
Home modifications	2,642	40.3%	187	39.5%	.15
Respite services	1,130	17.3%	75	15.8%	.64
In-home family support	911	13.9%	53	11.2%	2.79
Specialist services	879	13.4%	56	11.8%	.99
Crisis respite	811	12.4%	58	12.2%	.01
Assistive technology	547	8.4%	36	7.6%	.33
Personal support	339	5.2%	24	5.1%	.01
Care giver training	250	3.8%	15	3.2%	.52
Homemaker services	139	2.1%	9	1.9%	.11
Supported employment	62	.9%	9	1.9%	4.0*
24 hour emergency assistance	54	.8%	4	.8%	.002
Adult day care	38	.6%	3	.6%	.02
Foster care - primary care giver	17	.3%	0	0	1.23
Alternative day services	16	.2%	1	.2%	.02
<u>Services Needed</u>					
Needs transportation arranged by staff	6,163	94.1%	445	93.9%	.05
Specialized medical services	5,072	77.5%	368	77.6%	.01
Needs program to address excess behavior	4,328	66.1%	316	66.7%	.06
Speech or communication training	3,788	57.8%	272	57.4%	.04
Occupational therapy	3,039	46.4%	206	43.5%	1.55
Needs mental health services	2,839	43.4%	186	39.2%	3.22
Physical therapy	2,379	36.3%	176	37.1%	.12
Needs other support services	348	5.3%	29	6.1%	.70
Needs early intervention services	79	1.2%	7	1.5%	.27

Table XX: Response Rates		
Surveys	Return	Rate
Declined to consent	212/820	26%
Pre-interview and consent forms	474/608	78%
Individual Case Manager	468/474	99%
*Consumer Interviews	372/405	93%
Family	183/365	50%
Residential Site	184/309	60%
Vocational Site	82/163	50%
**Other Site	7/75	9%
Residential DSP	151/618	24%
Vocational DSP	74/326	23%
**Other DSP	9/150	6%
General Case Manager	52/75	69%
DD County Coordinator Interviews	21/24	86%
Stakeholder Group	5-May	100%

* Consumer interviews not conducted for children under age 18

** Date from these surveys not included in the results of this report

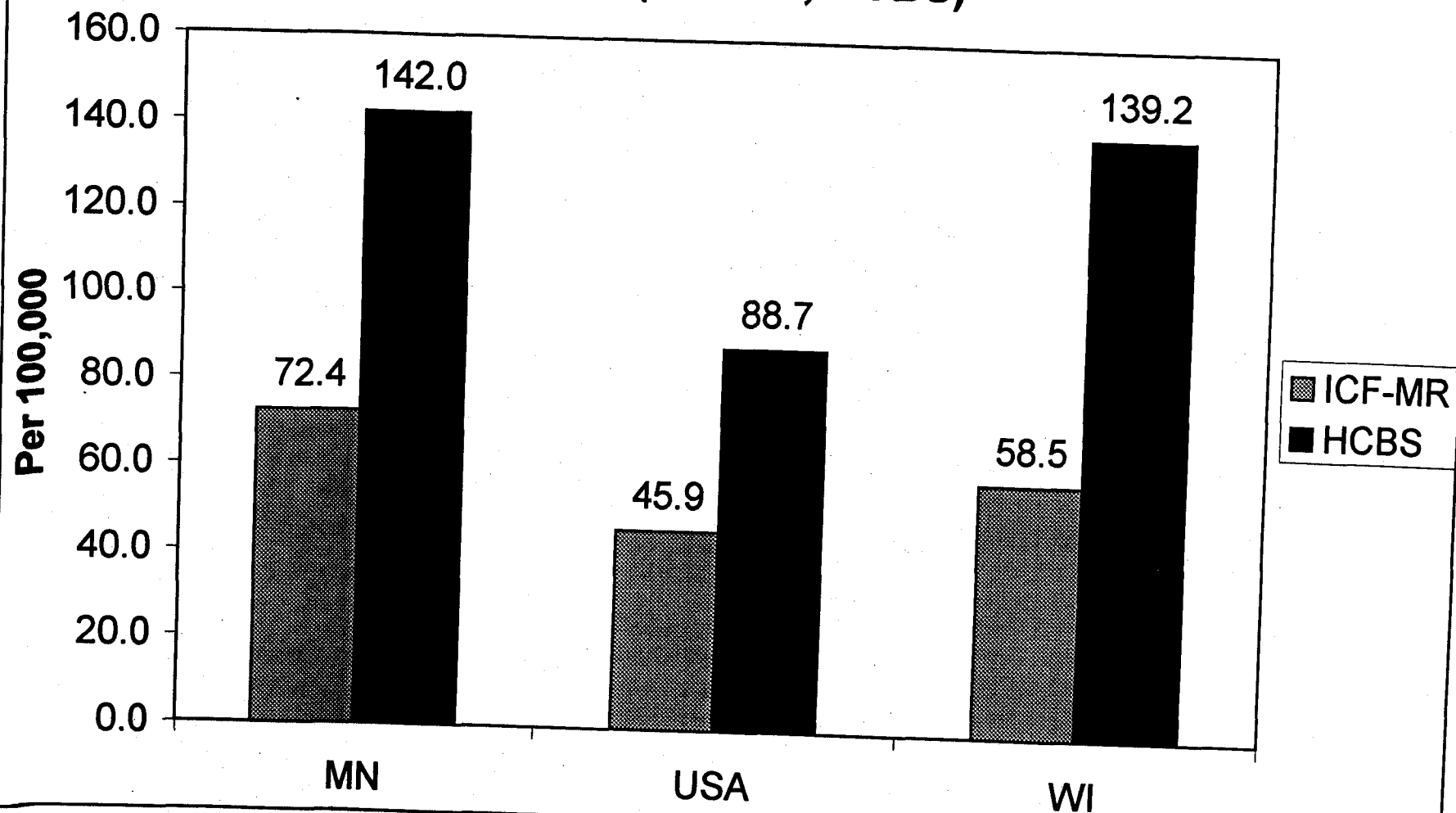
Table xx. Number of People Invited to Participate and Number of Refusals									
Guardianship Status	Invited but Refused or Did Not Respond to Invitation							Refused	Total
	Metro General	Outstate Urban General	Rural General	Metro Non-White	Outstate Non-White	Rural Non-White	Ineligible		
Private guardian or conservator	33	18	22	4	2		6	109	194
Public guardian or conservator	23	6	2				5	18	54
Guardian ad litem						1			1
Parent is guardian (under 18)	6	7	2		1	1	6	33	56
County is legal rep.(under 18)								1	1
No guardian needed	9	2	1	1	1		3	24	41

General – general random sample that included all persons regardless of race.

Non-white – members of the over-sample group

Table xx Consented to Participate							
	Metro General	Out State Urban General	Rural General	Metro Non- White	Out State Non- White	Rural Non- White	Total
Private guardian or conservator	75	34	87	6	1	2	205
Public guardian or conservator	76	29	56	1			162
Guardian ad litem			1				1
Parent is guardian under 18	23	11	20	5	1		60
County is legal rep. under 18	1		3				4
No guardian needed	16	10	15	1			42

Comparison of Minnesota and U.S. in Medicaid Long-Term Care Program Participants per 100,000 in June 1998 (ICF-MR, HCBS)



Growth in Minnesota and U.S. Medicaid Long-Term Care Participation

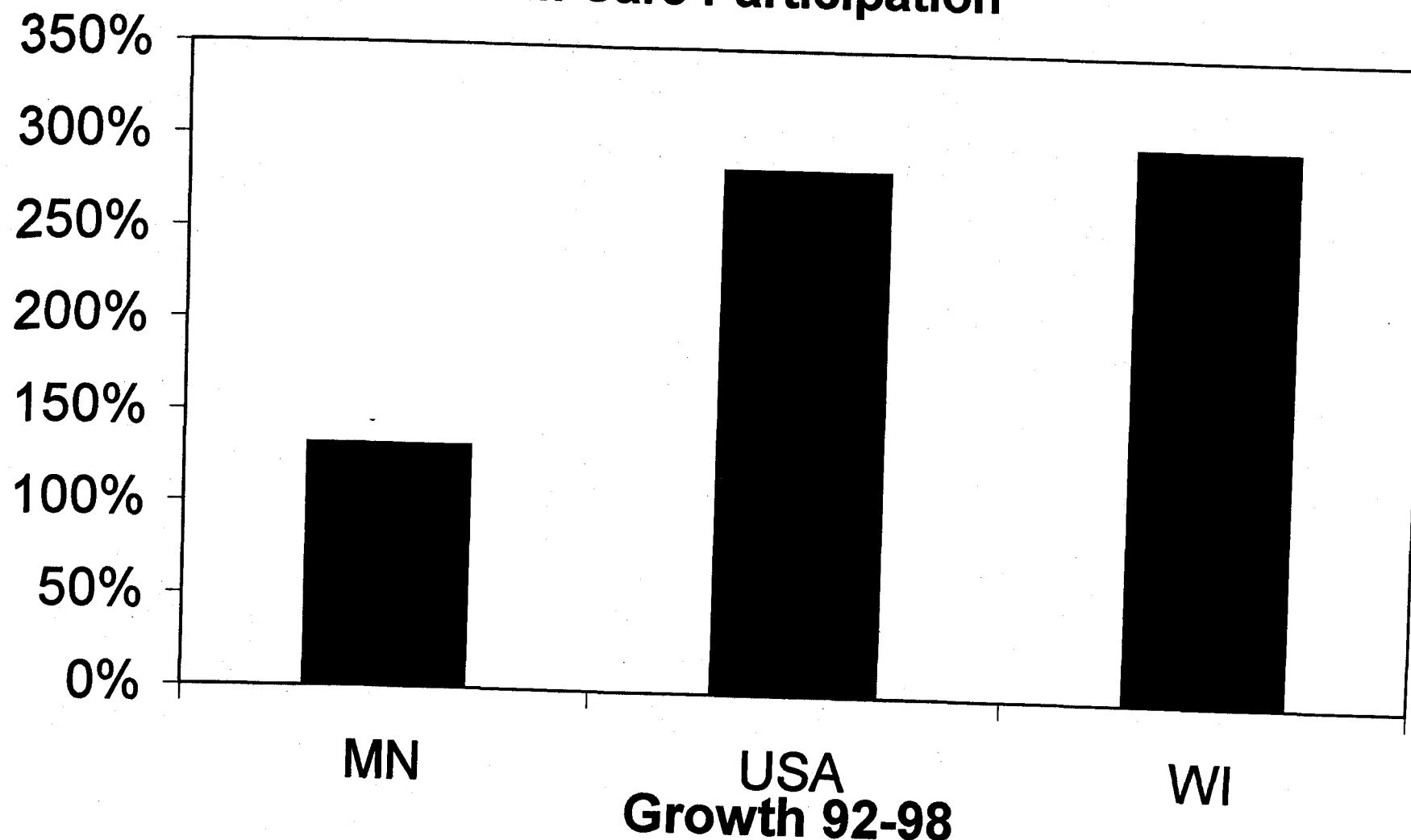


Table 1: Patterns of Medicaid Long-Term Care Program Users in Minnesota, June 1977- June 1999

Year	Community ICF-MR	Nonstate Institution (16+ res) ICF-MR	State Institution (16+ res) ICF-MR	HCBS Waiver	Total
1977	1,052	1,724	2,527	0	5,303
1982	2,412	2,070	2,417	0	6,899
1987	2,847	2,049	1,653	1,423	7,972
1992	2,584	1,585	1,033	2,890	8,092
1996	2,406	1,075	345	5,422	9,248
1999	2,045	984	72	7,102	10,203

Table 2: Distribution of HCBS and ICF-MR Program Participants by Type of Residence and Selected Characteristics

Characteristic	Type of Residence									
	ICF-MR Facility		SLS		HCBS Other		Total		ICF-MR & HCBS	
	No.	%	No.	%	No.	%	No.	%	No.	%
Age										
Children (0-17 yrs.)	75	8.3%	207	22.9%	623	68.8%	830	91.7%	905	100.0%
Adults (18+ years)	3269	34.6%	5638	59.6%	554	5.9%	6192	65.4%	9461	100.0%
Total	3344	32.3%	5845	56.4%	1177	11.4%	7022	67.7%	10366	100.0%
Level of Mental Retardation										
None	29	18.5%	12	7.6%	116	73.9%	128	81.5%	157	100.0%
Mild	613	20.8%	2001	68.0%	329	11.2%	2330	79.2%	2943	100.0%
Moderate	720	27.6%	1500	57.6%	386	14.8%	1886	72.4%	2606	100.0%
Severe	865	38.0%	1190	52.3%	219	9.6%	1409	62.0%	2274	100.0%
Profound	1116	49.4%	1041	46.1%	102	4.5%	1143	50.6%	2259	100.0%
Unspecified	1	3.7%	1	3.7%	25	92.6%	26	96.3%	27	100.0%
Challenging Behavior										
Severe Property Destruction	304	29.3%	585	56.4%	148	14.3%	733	70.7%	1037	100.0%
Severe Physical Aggression	414	29.7%	778	55.8%	202	14.5%	980	70.3%	1394	100.0%
Race/Ethnicity										
White, Non-Hisp.	3204	32.5%	5589	56.7%	1060	10.8%	6649	67.5%	9853	100.0%
Black, Non-Hisp.	69	28.4%	117	48.1%	57	23.5%	174	71.6%	243	100.0%
Native American	36	26.3%	82	59.9%	19	13.9%	101	73.7%	137	100.0%
Asian/Pacific Isl.	17	25.0%	29	42.6%	22	32.4%	51	75.0%	68	100.0%
Hispanic	9	18.8%	26	54.2%	13	27.1%	39	81.2%	48	100.0%

Table 3: Comparison of HCBS and ICF-MR Residents by Level of Mental Retardation at Time of Most Recent Screening of ICF-MR/HCBS Eligibility

Level of Mental Retardation	HCBS Recipient		ICF-MR Resident		All HCBS/ICF-MR	
	Number	% of Total	Number	% of Total	Number	% of Total
Mild MR	2,330	(33.2%)	613	(18.3%)	2,943	(28.4%)
Moderate MR	1,886	(26.8%)	720	(21.5%)	2,608	(25.2%)
Severe MR	1,409	(20.1%)	865	(25.9%)	2,274	(21.9%)
Profound MR	1,143	(16.3%)	1,116	(33.4%)	2,259	(21.8%)
MR, Not specified	26	(0.4%)	1	(0.0%)	27	(0.3%)
No MR, Related Condition	<u>228</u>	<u>(3.2%)</u>	<u>29</u>	<u>(0.9%)</u>	<u>257</u>	<u>(2.5%)</u>
TOTAL	7,022	(100.0%)	3,344	(100.0%)	10,366	(100.0%)

Table 4: Race/Ethnicity of HCBS and ICF-MR Program Participants							
Distribution of Minnesota Citizens, HCBS Recipients and ICF-MR Residents by Race/Ethnicity, 1999							
		White Non- Hispanic	Black Non- Hispanic	Hispanic	Asian Pacific Isl.	Native Am. Alaskan Native	Total
All	Number	4,387,000	152,000	95,000	135,000	61,000	4,830,000
Minnesotans	% of total	90.83%	3.15%	1.97%	2.80%	1.26%	100.00%
HCBS	Number	6,649	174	39	51	101	7,014
Recipients	% of total	94.80%	2.48%	0.55%	0.73%	1.44%	100.00%
ICF-MR	Number	3,204	69	9	17	36	3,335
Residents	% of total	96.07%	2.07%	0.27%	0.51%	1.08%	100.00%
Total HCBS	Number	9,853	243	48	68	137	10,349
& ICF-MR	% of total	95.21%	2.35%	0.46%	0.66%	1.32%	100.00%

Table 5: Comparison of Proportion of All Minnesotans and HCBS Recipients By Race/Ethnicity, 1990 and 1999

	Year	White Non-Hispanic	Black Non-Hispanic	Hispanic	Asian/ Pacific Isl.	Native Am./ Alaskan Native
All	1990	93.7	2.2	1.2	1.8	1.1
Minnesotans	1998	90.8	3.1	2.0	2.8	1.3
HCBS	1990	96.6	1.6	0.4	0.5	0.9
Recipients	1998	94.8	2.5	0.5	0.7	1.4

Table 8: Comparison of Average Costs Authorized and Costs Paid for HCBS Recipients of Different Ages				
Age Group		Cost Authorized	Costs Paid	% of Authorized Costs Paid
Age Range	No.			
0-5 years	34	23,029.01	14,508.99	63.00%
6-10 years	209	28,599.02	21,054.77	73.62%
11-15 years	337	36,087.63	29,562.72	81.92%
16-20 years	469	38,599.79	31,991.27	82.88%
21-25 years	670	47,160.59	42,871.61	90.91%
26-30 years	770	51,939.70	47,652.76	91.75%
31-35 years	722	54,153.92	49,897.14	92.14%
36-40 years	770	54,756.01	51,089.58	93.30%
41-50 years	1319	56,420.55	53,029.76	93.99%
51-60 years	828	54,646.02	51,539.34	94.31%
61-70 years	420	50,006.60	47,090.81	94.17%
71+ years	260	45,751.10	42,530.16	92.96%
TOTAL	6808	50,299.81	46,134.62	91.72%

Table 9: Average Annual Costs Per HCBS Recipient Per Service By County Type, 1998								
Service	Metropolitan		Large Out State		Rural Area		Statewide	
	\$ Annual	No.	\$ Annual	No.	\$ Annual	No.	\$ Annual	No.
Assessment for Home Care	\$135.54	49	\$150.84	21	\$130.65	61	\$135.72	131
Assistive Technology	\$516.16	17	\$355.20	11	\$532.93	26	\$491.45	54
Caregiver Training and Ed.	\$380.37	7	\$808.81	5	\$294.27	10	\$438.61	22
Case Management	\$1,400.68	2,974	\$1,369.25	1,316	\$1,345.72	2,390	\$1,374.83	6,680
Consumer Directed Supp.	\$3,330.44	13	\$800.00	1	\$0.00	0	\$3,149.69	14
Crisis Respite	\$5,680.03	245	\$10,280.39	93	\$4,934.25	132	\$6,380.86	470
Day Training/Adult Day	\$8,188.62	21	\$4,808.49	14	\$4,540.55	15	\$6,147.76	50
Day Training & Hab.	\$13,420.07	2,179	\$11,638.17	827	\$10,776.59	1,413	\$12,241.33	4,419
24 Emergency Service	\$7,650.00	1	\$0.00	0	\$2,616.90	5	\$3,455.70	6
Home Health Aide	\$6,168.86	3	\$3,765.15	6	\$4,766.10	21	\$4,706.18	30
Homemaker	\$2,221.61	15	\$1,796.37	25	\$1,764.81	45	\$1,854.70	85
Housing Access Coord.	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0
In-Home Family Supp.	\$11,195.54	437	\$11,856.13	158	\$9,727.33	332	\$10,782.30	927
Environmental Mods	\$3,267.14	261	\$1,374.07	75	\$213.58	173	\$2,604.62	509
Personal Care	\$12,648.31	160	\$10,430.86	38	\$11,699.10	113	\$12,032.48	311
Private Duty Nurse	\$17,291.97	3	\$11,556.81	2	\$18,904.25	4	\$16,734.06	9
Personal Support	\$2,861.39	72	\$9,058.46	32	\$2,577.41	72	\$3,871.96	176
Respite Care	\$3,922.38	363	\$2,653.23	160	\$3,161.20	391	\$3,374.58	914
Support Living Child	\$44,255.69	78	\$34,167.24	48	\$39,097.16	89	\$39,867.99	215
Support Living Adult	\$43,672.46	2,524	\$37,282.77	1,109	\$35,247.73	1,911	\$39,490.32	5,544
Skilled Nursing	\$865.80	27	\$962.20	15	\$864.88	56	\$880.03	98
Specialist Service	\$1,806.00	123	\$1,629.85	111	\$1,121.58	80	\$1,569.36	314
Supported Employment	\$10,018.53	3	\$918.75	1	\$3,271.68	10	\$4,549.37	14
Average Payments	\$51,494.42	3,078	\$44,495.15	1,322	\$40,185.96	2,409	\$46,134.62	6,809

Table 10: Distribution of Paid Costs for HCBS Recipients by Age Groups and Type of County								
Age Group in Years	Type of County							
	Metropolitan		Out State Urban		Rural Area		Total	
	\$ Paid	No.	\$ Paid	No.	\$ Paid	No.	\$ Paid	No.
0-10 years	\$20,577.67	108	\$25,585.65	30	\$18,131.37	105	\$20,138.90	243
11-15 years	\$32,440.23	148	\$28,407.97	64	\$26,746.97	125	\$29,562.72	337
16-20 years	\$34,384.90	191	\$32,435.12	100	\$29,189.21	179	\$31,991.27	470
21-25 years	\$46,876.13	306	\$43,989.58	136	\$36,830.25	228	\$42,871.61	670
26-30 years	\$54,219.71	342	\$46,405.23	173	\$39,691.70	255	\$47,652.76	770
31-35 years	\$55,089.88	343	\$47,983.02	141	\$43,547.47	238	\$49,897.14	722
36-40 years	\$55,739.25	398	\$48,637.67	138	\$44,627.15	234	\$51,089.58	770
41-50 years	\$59,563.01	629	\$49,917.38	253	\$45,427.96	437	\$53,029.76	1,319
51-60 years	\$58,711.48	349	\$46,928.39	142	\$46,054.69	337	\$51,539.34	828
61-70 years	\$53,083.52	150	\$42,820.20	93	\$44,256.12	177	\$47,090.81	420
71+ years	\$44,065.84	114	\$42,882.74	52	\$40,472.71	94	\$42,530.17	260
TOTAL	\$51,494.42	3,078	\$44,495.15	1,322	\$40,185.96	2,409	\$46,134.59	6,809

Table 11: Distribution of Paid Costs for HCBS Recipients of Different Racial/Ethnic Groups by Type of County, FY 1998

<u>Racial/ Ethnic Group</u>	<u>Type of County</u>							
	<u>Metropolitan</u>		<u>Out State Urban</u>		<u>Rural Area</u>		<u>Total</u>	
	<u>\$ Paid</u>	<u>No.</u>	<u>\$ Paid</u>	<u>No.</u>	<u>\$ Paid</u>	<u>No.</u>	<u>\$ Paid</u>	<u>No.</u>
White, Non-Hispanic	\$51,902.18	2,841	\$44,482.76	1,297	\$40,130.40	2,328	\$46,175.66	6,466
Black, Non-Hispanic	\$46,312.28	151	\$35,594.55	8	\$27,503.19	3	\$45,434.70	162
Native American	\$50,001.02	37	\$53,254.26	7	\$42,414.49	56	\$45,980.29	100
Asian/Pacific Islander	\$52,769.15	30	\$57,169.18	5	\$37,147.20	7	\$50,689.30	42
Hispanic	\$34,677.56	17	\$37,013.96	5	\$47,911.84	13	\$39,926.92	35
TOTAL	\$51,518.17	3,076	\$44,495.15	1,322	\$40,201.15	2,407	\$46,150.87	6,805

Table 12: Expenditures for HCBS Services by Age and Level of Intellectual Disability
Level of Intellectual Disability

<u>Age Group</u>	<u>Mild</u>		<u>Moderate</u>		<u>Severe</u>		<u>Profound</u>		<u>Rel. Condition</u>	
	<u>\$ Paid</u>	<u>No.</u>	<u>\$ Paid</u>	<u>No.</u>	<u>\$ Paid</u>	<u>No.</u>	<u>\$ Paid</u>	<u>No.</u>	<u>\$ Paid</u>	<u>No.</u>
0-10 years	\$16,939.70	50	\$20,580.82	53	\$19,500.10	43	\$31,800.05	18	\$22,311.21	60
11-15 years	\$20,529.92	80	\$27,185.38	107	\$33,747.65	626	\$38,385.91	44	\$37,047.09	44
16-20 years	\$28,075.93	129	\$29,746.38	161	\$33,924.74	95	\$45,673.39	56	\$29,116.44	29
21-25 years	\$35,888.57	205	\$38,782.02	250	\$54,095.62	109	\$56,088.38	79	\$49,774.44	27
26-30 years	\$42,195.64	327	\$45,295.39	203	\$53,850.68	133	\$63,336.40	94	\$44,917.49	13
31-35 years	\$43,303.28	280	\$45,991.26	204	\$57,746.46	129	\$65,955.51	100	\$52,539.34	9
36-40 years	\$43,325.31	279	\$45,270.53	194	\$55,570.37	134	\$69,308.85	150	\$48,151.63	13
41-50 years	\$45,083.14	448	\$45,677.34	285	\$53,478.48	270	\$71,486.56	301	\$51,621.00	15
51-60 years	\$43,285.57	237	\$43,811.41	190	\$54,209.93	215	\$67,646.84	180	\$43,357.28	6
61-70 years	\$42,085.91	157	\$43,994.36	92	\$48,376.74	109	\$63,637.60	60	\$15,925.97	2
71+ years	\$40,418.70	92	\$42,121.64	56	\$42,219.69	78	\$50,288.08	33	\$27,869.25	1
TOTAL	\$40,394.45	2,284	\$40,998.58	1,795	\$49,940.84	1,377	\$64,006.48	1,115	\$36,232.25	219

Table 13: Average Annual Paid Costs for HCBS Services By Type of Living Arrangement and Level of Intellectual Disability								
Level of Intellectual Disability	HCBS Residential Support Services							
	Supported Living Service		Family (extended or immediate)		Other		Total HCBS \$ Paid	
	\$ Paid	No.	\$ Paid	No.	\$ Paid	No.	\$ Paid	No.
Children (0-17 yrs)								
No MR/Related Condition	\$60,282.40	20	\$20,671.79	80	\$20,602.65	12	\$27,737.64	112
Mild MR	\$47,296.97	35	\$14,784.67	112	\$11,006.12	17	\$21,185.95	164
Moderate MR	\$47,930.46	55	\$17,678.47	147	\$18,216.50	11	\$25,517.80	213
Severe MR	\$51,047.80	37	\$21,568.96	93	\$14,497.00	7	\$29,169.06	137
Profound MR	\$55,824.06	34	\$21,016.28	34	\$31,537.88	7	\$37,777.82	75
Unspecified MR	N/A	0	\$10,330.13	15	\$12,863.42	4	\$10,863.46	19
Total	\$51,292.80	181	\$18,261.50	481	\$17,386.48	58	\$26,494.71	720
Adults (18+ years)								
No MR/Related Condition	\$46,828.28	84	\$34,375.59	15	\$47,379.91	8	\$45,123.80	107
Mild MR	\$44,742.84	1,837	\$17,869.67	140	\$28,448.93	143	\$41,869.12	2,120
Moderate MR	\$46,340.16	1,361	\$19,877.72	156	\$30,573.60	65	\$43,082.91	1,582
Severe MR	\$55,244.13	1,090	\$23,396.59	83	\$39,020.21	67	\$52,235.78	1,240
Profound MR	\$68,374.45	952	\$31,156.69	49	\$49,095.64	39	\$65,897.97	1,040
Unspecified MR	N/A	0	N/A	0	N/A	0	N/A	0
Total	\$51,559.67	5,324	\$21,640.87	443	\$34,048.46	322	\$48,456.92	6,089
All Ages								
No MR/Related Condition	\$49,415.54	104	\$22,835.55	95	\$31,313.55	20	\$36,232.25	219
Mild MR	\$44,790.59	1,872	\$16,498.56	252	\$26,595.63	160	\$40,394.45	2,282
Moderate MR	\$46,401.93	1,416	\$18,810.76	303	\$28,785.07	76	\$40,998.58	1,795
Severe MR	\$55,106.36	1,127	\$22,430.85	176	\$36,700.46	74	\$49,940.84	1,377
Profound MR	\$67,941.68	986	\$27,002.79	83	\$46,423.81	46	\$64,006.48	1,115
Unspecified MR	N/A	0	\$10,330.13	15	\$12,863.42	4	\$10,863.46	19
Total	\$51,500.90	5,505	\$19,881.69	924	\$31,505.31	380	\$46,134.59	6,809

Table 14: HCBS Expenditures by Residential Situation and Age Group										
Age Group	Foster Family		Corporate Foster		Own Home		Family Home		Other/unrecorded	
	Average \$ Cost	Recipients	Average \$ Cost	Recipients	Average \$ Cost	Recipients	Average \$ Cost	Recipients	Average \$ Cost	Recipients
Children (0-17 yrs.)	\$29,375	7.1%	\$57,510	19.0%	\$7,389	0.1%	\$17,912	69.2%	\$20,490	4.5%
Adults (18+ yrs.)	\$31,861	5.2%	\$54,653	77.7%	\$21,499	5.2%	\$21,329	7.7%	\$36,997	4.1%
Total	\$31,518	5.4%	\$54,733	71.5%	\$21,454	4.7%	\$19,568	14.2%	\$35,085	4.2%

Table 15: HCBS Expenditures by Residential Situation and Allocation Profile Level of Service Need										
Allocation Profile Service Need Level	Type of Residence									
	Foster Family		Corporate Foster		Own Home		Family Home		Other/unrecorded	
	Average \$	No.	Average \$	No.	Average \$	No.	Average \$	No.	Average \$	No.
Level 1 (highest needs)	\$30,664.62	11	\$72,224.04	271	\$7,388.75	1	\$21,520.93	57	\$62,188.55	340
Level 2 (high needs)	\$28,300.83	32	\$60,553.97	489	\$16,846.17	5	\$18,655.20	129	\$50,392.78	655
Level 3 (moderate needs)	\$26,939.15	34	\$48,237.95	567	\$24,052.87	24	\$14,460.03	126	\$40,833.66	751
Level 4 (lowest needs)	\$19,626.29	14	\$39,121.27	205	\$14,784.65	31	\$12,812.47	54	\$31,068.49	304
Prior Enrollees (enrolled before FY 96)	\$33,075.74	279	\$54,522.88	3,338	\$22,160.43	257	\$21,258.69	600	\$46,865.43	4,474
Total	\$31,518.29	370	\$54,733.42	4,870	\$21,454.22	318	\$19,567.56	966	\$46,587.71	6,524

Note: Service levels are determined according to the data gathered in the annual screening document review. They include: Level 1: "Very high self-care needs or Mental Illness and Obstructive behavior; Level 2: High self-care needs or Aggressive destructive behavior; Level 3: Limited self-care needs, but no major behavior problems; Level 4: Limited self-care and no major behavior problems. Prior enrollees refers to people who enrolled in HCBS prior to Fiscal Year 1996.

Health Outcomes

Table 1 Percent of Adults having a Physical Exam in the Last Year

Region	Family, Foster or Own Home N = 61	Corporate Foster Care N = 308	Total N = 369
Metro	58.3%	95.7%	92.7%
Large Outstate	93.3%	98.1%	97.1%
Rural	88.2%	100%	97.4%
Total	83.6%	97.7%	95.4%

Table 2 Factors explaining variability in most recent physical exam for adults

Variable	F	Sig.
Overall model	6.51	.000
Residential type	33.83	.000
Region	13.89	.000
Region by Residential type interaction	8.53	.000
Age at screening	7.03	.008
Seriousness of challenging behavior	1.87	
Level of mental retardation	1.49	
White vs non-white	0.89	
Number of sick days in month	0.13	

Table xx. Individual case manager assessment of quality of health and physician services for waiver recipients in different types of settings.

Type of Setting	Mean
Foster Family	3.22
Own Home	3.19
Corporate Foster	3.17
Family Home	2.89
Total	3.13

(1 = poor, 4 = excellent)

Table xx. Factors explaining variability in individual case manager assessment of the quality of health and physician services

Variable	F	Sig.
Overall model	2.59	.001
Level of medical supervision needed	9.37	.002
White vs non-white	3.15	
Able to walk	3.02	
Has special medical needs	2.90	
Residential type	2.83	.038
Age at screening	1.54	
Region by Residential type interaction	1.49	
Level of mental retardation	1.07	
Region	0.77	

R2 = 0.91, Adjusted R2 = .055, N = 449

Table xx. Most recent gynecological exams for women by region and type of residence			
Region	Family, Foster or Own Home	Corporate Foster Care	Total
Metro	1.18	1.75	1.67
Large Outstate	1.50	1.73	1.69
Rural	1.73	1.60	1.62
Total	1.46	1.69	1.65

(2 = within last year, 1 = over one year ago, 0 = never) N=137

Covariates: ethnicity, age, level of mental retardation, number of sick days, level of challenging behavior

Table xx. Factors explaining variability in the recency of the most recent gynecological exam for adult women		
Variable	F	Sig.
Overall model	2.29	.016
White vs non-white	1.15	
Age at screening	3.90	.050
Level of mental retardation	7.96	.005
Number of sick days in month	0.48	
Seriousness of challenging behavior	0.01	
Region	1.07	
Residential type	4.03	.046
Region by Residential type interaction	3.02	

R² = .129; Adjusted R² = .073.

Table xx. Percent seeing a dentist in the previous six months by region and type of residence			
Region	Family, Foster or Own Home	Corporate Foster Care	Total
Metro	90%	90%	90%
Large Outstate	93%	79%	82%
Rural	76%	97%	93%
Total	82%	91%	89%

N=303

Covariates: ethnicity, age, level of mental retardation, number of sick days, level of challenging behavior

Table xx. Factors explaining variability in the recency of the dental exams for adults		
Variable	F	Sig.
Overall model	4.43	.000
White vs non-white	0.00	
Age at screening	0.65	
Level of mental retardation	4.47	.035
Seriousness of challenging behavior	12.13	.001
Region	0.21	
Residential type	1.30	
Region by Residential type interaction	5.65	.004

R2 = .129; Adjusted R2 = .073.

Table xx. Individual case manager assessment of quality dental services for waiver recipients in different types of settings.	
Type of Setting	Mean
Foster Family	3.04
Corporate Foster	3.08
Own Home	3.08
Family Home	2.69
Total	3.02

(1 = poor, 4 = excellent) N = 453

Table xx. Factors explaining variability in individual case manager assessment of the quality of dental services		
Variable	F	Sig.
Overall model	3.91	.000
White vs non-white	4.10	.043
Age at screening	2.40	
Level of mental retardation	2.88	
Challenging behavior	1.18	
Able to walk	5.66	.018
Level of medical supervision needed	13.90	.000
Region	1.90	
Residential type	4.36	.005
Region by Residential type interaction	1.71	

R² = .136, Adjusted R² = .102, N = 446

Medications

Overall, 43% of adults who were interviewed were receiving medication for mood, anxiety or behavior problems, 29% for epilepsy or seizures, and 56% for some other health problem. Parents whose family member had received crisis behavioral supports reported that 50% of the time behavior medications increased since the crisis intervention started, and 36% of the time behavior medications decreased since the crisis intervention started. The rest remained constant.

Table xx. Factors explaining variability receiving medications for mood, anxiety or behavior

Variable	F	Sig.
Overall model	8.56	.000
White vs non-white	0.00	
Age at screening	0.84	
Level of mental retardation	14.19	.000
Challenging behavior	62.09	.000
Able to walk	0.81	
Region	0.66	
Residential type	0.80	

R² = .196, Adjusted R² = .173, N = 362

Table xx Percent of people with various seizure histories who received medication to control seizures		
Seizure history	Gets epilepsy meds	Does not get epilepsy meds
No history or evidence of seizures	9.3%	83.0%
History of seizures none recently	21.5%	13.8%
Seizures controlled	26.2%	2.4%
Seizures partially controlled	31.8%	0.4%
Seizures uncontrolled	11.2%	0.4%
Total	29.7%	70.3%

Table xx. Factors explaining variability receiving medications for epilepsy		
Variable	F	Sig.
Overall model	26.64	.000
White vs non-white	1.10	
Age at screening	4.06	.045
Level of mental retardation	3.48	
Residential type	0.56	
Challenging behavior	0.93	
Requires on-call medical attention	2.20	
Uses a wheelchair	0.25	
Region	1.25	
Seizure history	86.10	.000
Region by seizure history	1.49	

R2 = .623, Adjusted R2 = .600, N = 360

Table xx. Factors explaining variability receiving other types of medications		
Variable	F	Sig.
Overall model	4.17	.000
White vs non-white	0.59	
Age at screening	22.93	.000
Level of mental retardation	0.30	
Residential type	0.11	
Challenging behavior	0.40	
Needs access to on-call medical support	1.40	
Uses a wheelchair for mobility	5.73	.016
Region	1.40	

R2 = .097, Adjusted R2 = .074, N = 360

Access to Services: Waiting Lists

Table xx: Number of persons waiting for MR/RC waived services based on current living arrangements and age groups							
Current home	Age group						Total
	0-12	13-17	18-22	23-39	40-59	60+	
Family home	1,213	474	470	470	126	13	2,766
ICF-MR	5	10	37	329	285	61	727
Family foster care	55	39	35	117	53	19	318
Other	27	25	26	51	20	10	159
Shift staff foster care	0	7	28	41	42	10	128
Potential from RTC/METO	0	0	11	34	24	9	78
Own home	0	0	5	41	21	5	72
Live in foster care	2	1	3	17	8	1	32
RTC/METO	0	0	7	15	6	1	29
Board and Lodge	0	1	1	4	4	2	12
Totals	1,302	557	623	1,119	589	131	4,321

Source: October 1999 Report to the Legislature: *Home and Community Based Services for Persons with Mental Retardation and Related Conditions.*

Table xx: Services requested by persons waiting for MR/RC Waiver funding		
Service Requested	Number Waiting	% of People Waiting
In-home family support	2,149	50.6%
Respite care	1,989	46.9%
Supported living services	1,840	43.4%
Vocational services	1,729	40.7%
Environmental modifications	1,572	37.0%
Assistive technology	935	22.0%
Specialist services	829	19.5%
Caregiver training and education	748	17.6%
Personal support	580	13.7%
Crisis respite	514	12.1%
Homemaker services	283	6.7%
24 hour emergency care	78	1.8%
Consumer directed services	64	1.5%
Consumer training and education	37	0.9%
Housing access	33	0.8%
Adult day care	13	0.3%
Live-in personal caregiver	7	0.2%

Source: October 1999 Report to the Legislature: *Home and Community Based Services for Persons with Mental Retardation and Related Conditions.*

Access to Services: Who gets Waiver Allocations

Table xx: Previous residence of sampled waiver participants				
Previous Residence	Region			Total
	Metro	Large Outstate	Rural	
Family home	22.8%	32.1%	31.4%	27.9%
RTC or psychiatric unit	23.4%	21.0%	13.4%	19.0%
Small ICF-MR or SOCS	11.4%	12.3%	29.1%	18.5%
Large ICF-MR or nursing home	26.1%	13.6%	9.3%	17.2%
Foster home	4.3%	6.2%	5.2%	5.0%
Own home	3.3%	3.7%	4.7%	3.9%
Other	8.7%	11.1%	7.0%	8.5%

Access to Services: Difficulty getting services while on waiver

Table xx: Individual case manager reports of difficulty in obtaining various types of services for study participants				
Service	N with Difficulty	% with Difficulty	Amount of Difficulty	
			Some	Much/None found
Dental Services	51	11.2%	74.5%	25.4%
Non-health specialists	48	10.5%	77.1%	22.9%
Supported living	44	9.6%	61.4%	38.6%
Transportation	40	8.8%	87.5%	12.5%
Health and physician services	35	7.6%	62.9%	37.1%
In-home supports	33	7.2%	60.6%	39.4%
Respite	33	7.2%	66.7%	33.3%
DTH	30	6.6%	63.3%	36.7%
Emergency or crisis supports	29	6.4%	69.0%	31.0%
Assistive Technology	23	5.4%	87.0%	13.0%
Supported employment	21	4.6%	61.9%	38.1%
Nursing or Home Health Aides	18	3.9%	77.8%	22.2%
Home modifications	16	3.5%	93.8%	6.3%
Consumer education	13	2.9%	69.2%	30.8%
Family foster care	11	2.4%	45.5%	54.5%

Table xx: Family access to services: Percent getting needed services "most of the time"

Service	N	Supports Meet Needs	Get Needed Supports / Auth Hours	Supports Available when Needed	Crisis supports Available When needed
Respite services	28	53.6%	46.2%	46.4%	50.0%
In-home services	33	69.7%		55.6%	46.4%
Specialist services (OT, PT)	83			59.0%	65.7%
Education	46			63.0%	66.7%
Crisis behavioral services	34				67.6%
Adaptive equipment/ Environmental Mods.	43				74.4%
County services Case Mgmt.	158	72.6%	65.6%	76.6%	76.0%
Residential out-of-home	119				80.7%
Employment services	94			81.9%	86.3%
Transportation	107	82.2%		86.0%	

Table xx: General case manager survey: Availability of waiver services in their county					
Service	Region			Total	F
	Metro	Outstate	Urban Rural		
Case management/Service Coordination	3.43	3.82	3.88	3.67	3.21*
Interdisciplinary planning/assessment	3.17	3.64	3.63	3.43	2.20
Day training and Habilitation	3.30	3.36	3.53	3.40	0.37
Health care/physician services	3.13	3.60	3.47	3.34	1.70
Info on local community services	2.87	3.40	3.35	3.14	2.73
Supported community employment	2.80	2.64	2.76	2.75	0.13
Person-centered lifestyle planning	2.74	2.55	2.76	2.71	0.17
Recreation/leisure activities	2.78	2.60	2.65	2.70	0.22
Facility based residential	2.59	2.36	2.88	2.64	0.97
In-home residential	2.64	2.40	2.71	2.61	0.38
Assistive technology/Housing modifications	2.65	3.00	2.13	2.56	3.07
Dental/Dentist services	2.83	1.73	2.59	2.51	4.42*
General community services	2.87	2.64	1.94	2.51	4.71*
Transportation	2.35	2.18	2.29	2.29	0.10
Regular respite care	2.17	2.18	2.12	2.16	0.02
Assistance on how to manage own services	2.04	2.18	2.18	2.12	0.09
Info on "cutting edge" innovations	2.32	1.70	1.76	2.00	2.32
Crisis respite/emergency	2.17	2.00	1.71	1.98	0.88

0 = not available, 4 = available to all who need it; * $p < .05$, $N = 48$

Table xx: Factors limiting opportunities for HCBS participants to have homes of their own	
Factor	Extent of limitation
Difficult to staff personal housing within available budgets	2.59
Few models of successful consumer controlled homes in this county	2.57
Shortage of accessible housing	2.53
Difficult to obtain HUD Section 8 housing subsidies*	2.52
Shortage of affordable housing in safe neighborhoods	2.50
Group residential housing subsidies limited to agency controlled houses	2.40
Lack of assistance in planning and finding personal housing	2.36
People don't know it is possible to have a home of their own	2.12
Difficulty finding agencies open to supporting people in their own homes	2.08

3 = Often a problem, 1 = hardly ever a problem *problem is bigger in rural counties ($F = 3.56$, $p < .05$)

Direct Support Staff Characteristics

Table xx: Direct support staff characteristics (Percentages)			
Characteristic	Residential	Vocational	Total
% Female	83.4	82.4	83.1
<u>Ethnicity</u>			
White	94.7	95.9	95.1
Black	2.6	4.1	3.1
Hispanic	0.7	0.0	0.4
Asian/Pacific Islander	0.7	0.0	0.4
American Indian	0.7	0.0	0.4
Other	0.7	0.0	0.4
<u>Number of positions in agency</u>			
1	51.6	56.8	53.4
2	23.5	28.4	25.1
3 or more	24.8	14.9	21.5
<u>Education</u>			
HS or less	43.0	38.4	41.5
1-4 years college	53.6	56.2	54.5
5+ years college	3.3	5.4	4.0
Currently a student	16.6	6.8	13.3
Plan to stay after school	53.7	42.9	52.1
Had course on MR/DD	43.0	56.9	47.5
Eligible for paid time off	77.0	80.3	78.1
Eligible for benefits	71.8	93.1	78.7
<u>Job met original expectations</u>			
Definitely yes	46.0	34.2	42.2
Somewhat yes	47.3	45.2	46.6
Neither yes or no	2.7	8.2	4.5
Somewhat no	3.3	11.0	5.8
Definitely no	0.7	1.4	0.9

Table xx General case manager opinions about the seriousness of staffing problems

Problem Area	N	Region			Total	F	Sig.
		Metro	Urban Outstate	Rural			
Number of DSS in lives of consumers (turnover)	51	3.57	3.27	3.00	3.31	3.46	.040
Recruiting family foster providers	48	3.48	2.82	3.13	3.21	2.42	
Recruiting residential and in-home staff	51	3.52	3.18	2.71	3.18	8.26	.001
Recruiting and retaining vocational staff	49	2.90	3.00	2.06	2.63	8.73	.001
Ability of new staff to fulfill responsibilities	50	2.91	2.55	2.55	2.56	1.08	
Families can't find people to hire	36	2.88	2.40	2.20	2.56	2.62	
Average	51	2.90	2.34	2.19	2.54	14.0	.000
Monitoring safety related to staffing shortages and turnover	47	3.00	2.20	2.00	2.53	10.29	.000
Families not getting authorized or needed services	47	2.82	2.18	2.14	2.47	4.54	.016
Quality of training for DSS	47	2.45	2.00	1.60	2.09	7.63	.001
Level of respect by DSS	49	2.13	1.73	1.93	1.98	0.91	
DSS having difficulty due to limited English proficiency	46	2.74	1.18	1.25	1.98	21.77	.000
Supervisors limited ability to train DSS	48	2.52	1.64	1.29	1.96	19.39	.000

4 = Extremely serious; 1 = No problem

All significant differences were metro versus the other regions except recruiting and DSS training (metro was more than rural).

Table xx Staffing outcomes reported by Waiver providers								
Outcome	Residential				Vocational			
	Metro	Urban Outstate	Rural	Total	Metro	Urban Outstate	Rural	Total
Turnover rate	42.7%	52.4%	37.7%	43.9%	43.7%	28.0%	22.8%	33.1%
<u>Tenure of stayers</u>								
0-6 months	23.9	31.2	18.6	24.8	21.2	16.5	18.3	19.3
7-12 months	16.4	13.8	18.2	16.1	20.0	13.9	9.1	15.8
13+ months	59.7	55.0	63.2	59.1	58.8	78.0	72.6	64.9
Ave. months tenure of leavers				13.7				26.7
<u>Wages for DSS</u>								
Ave. starting	\$8.81	\$7.50	\$7.72	\$8.13	\$9.94	\$8.21	\$7.91	\$8.89
Ave. mean	\$9.41	\$8.12	\$8.60	\$8.81	\$10.93	\$10.85	\$9.58	\$10.49
Ave. highest	\$10.40	\$9.98	\$9.95	\$10.16	\$13.50	\$13.31	\$11.76	\$12.98
<u>Salaries for FLS</u>								
Ave. starting				\$22,497				\$26,094
Ave. mean				\$25,307				\$29,734
Ave. highest				\$28,309				\$31,229

I. Quality of Services

Satisfaction with services

Individual recipient

Table xx Consumer Interview: Quality of services Percentage				
Component	N	Yes	In-Between	No
<u>Day program</u>				
Do you like it there?	209	81.8	11.0	7.2
Is it a good place to go?	200	82.5	10.5	7.0
Are the staff nice and polite?	204	85.8	12.3	2.0
Is this a bad place to go? (r)	200	80.0	14.0	6.0
Do staff help fix problems you have?	195	88.2	5.1	6.7
<u>Community Job</u>				
Do you like your job?	130	89.2	5.4	5.4
Is this a good place to work?	128	79.7	13.3	7.0
Are the staff nice and polite?	124	94.4	3.2	2.4
Do you work enough hours?	120	58.3	3.3	38.3
Is this a bad place to work? (r)	128	83.6	11.7	4.7
<u>Home</u>				
Do you like the people you live with?	351	84.6	13.1	2.3
Do you like where you live?	256	84.4	9.4	6.3
Is this a good place to live?	251	83.7	11.2	5.2
Are the staff nice and polite?	252	94.8	4.4	0.8
Is this a bad place to live? (r)	248	83.1	11.7	5.2

R = reverse scored

Family

Table xx: Outcomes of Waiver Funded Services for Families

Outcome	Variables
CHOICE	Choose who provides supports Range of options are presented Respect for family choices and preferences Respect for consumer choices and preferences Choose what services are needed
Access to information	Timely access to information about available services Information easy to understand Easy to access information
Access to needed services	Supports offered meet your needs Get needed support Supports available when you want and need them Crisis supports available when needed
Linkages	Staff help you get supports from community programs Staff help you find family, friends or neighbors who can support you
Cultural sensitivity and respect	Staff communicate in your preferred language Staff are understanding and respectful Services and supports are provided in culturally appropriate manner
Responsiveness	Staff work with your to identify needed supports Staff work with you to plan for the future Services are adaptable and flexible Questions get a timely competent answer Comfortable voicing complaints Complaints resolved satisfactorily
Outcomes	Healthy/Safe Involved in community Consumer happy Family members happy Satisfied with supports and services
Overall satisfaction with area	All of the above

Supports and Services Evaluated:

- In-home supports
- Employment/Day services
- County case management
- Transportation
- Specialized therapy
- Education
- Respite
- Crisis behavioral support
- Home and environmental adaptations
- Residential out of home

Table xx Parent/Family member satisfaction with services						
Type of Service	Consumer/Family Happy			Family satisfied with service		
	Most of the time	Some of the time	Rarely	Most of the time	Some of the time	Rarely
Out-of-home residential	87.7	10.8	1.5	86.8	13.2	0.0
In-home supports	100	0	0	71.0	22.6	6.5
Employment supports	85.0	13.1	1.9	75.0	25.0	0.0
Case management	92.9	5.0	2.1	86.0	10.5	3.5
Transportation	90.8	7.3	1.8	91.2	5.3	3.5
Specialized therapies	83.3	13.9	2.8	73.3	23.3	3.5
Education	86.4	13.6	0.0	67.3	28.6	4.1
Respite services	86.4	13.6	0.0	71.4	14.3	14.3
Environmental adaptations/ Adaptive Equipment				54.7	22.6	22.6

Table XX: Individual CM Perception of Overall Quality of Life for Waiver Participants			
Type of Home	Region		
	Twin Cities Metro	Outstate Metro	Rural
Foster Family	2.67	2.63	3.25
Corporate Foster	3.17	2.93	3.03
Own Home	3.00	3.00	3.17
Family Home	2.80	3.45	3.09
Total	3.11	2.98	3.06

1 = poor, 4 = excellent

Table XX: Factors associated with case manager perceptions of overall quality of life outcomes	
Source	F
Corrected Model	1.869* .
Annual Waiver Cost	4.198*
Ethnicity	0.110
Age at Screening	2.282
Challenging Behaviors	0.314
Level of MR	0.072
Region of State	1.230
Type of Home	1.037
Region of State * Type of Home	3.156**

$R^2 = 0.071$ (Adjusted $R^2 = 0.033$)

* = $p < 0.05$; ** = $p < 0.01$

Table xx: General case manager comparison of quality in community ICF-MR versus Waiver funded settings

Point of comparison	Comparative Quality
People have more choices in what they do with their free time	1.25
People have privacy	1.15
People live in places that feel like home to them	1.10
People participate more in the community	.98
People pick where and with whom they want to live	.96
People grow in independence	.82
People are happy with their lifestyles	.77
People have more relationships with friends	.75
People set their own goals	.73
People are happy with the services they receive	.67
Families are happy with the services their family member receives	.65
People get more respect	.40
Families feel secure about their family members' future	.40
Services are a better value for the dollars spent	.35
People pick their direct support staff	.34
People are safe from abuse and injury by housemates	.31
Staff are better trained*	-.08
People are safe from abuse and exploitation by outsiders	-.11
People have access to the health services they need	-.17

+2 = Waiver is much better than ICF-MR, -2 Community ICF-MR is much better than Waiver

* In the metro area case managers feel ICF-MRs are superior while in large outstate urban counties case managers feel Waiver providers are superior ($F = 4.62, p < .05$).

Choice/Respect and Self-Determination

Table xx Parent reports of cultural sensitivity						
Service	Services are culturally appropriate			Staff communicates in your preferred language		
	Most of the time	Some of the time	Rarely	Most of the time	Some of the time	Rarely
Case management	99.3%	0.7%	0%	98.6%	0.7%	0.7%
Specialized services	98.6%	1.4%	0%			
Employment services	97.9%	2.1%	0%	90.8%	4.1%	5.1%
Education	97.9%	2.1%	0%	85.4%	12.2%	2.4%
Respite services	96.0%	4.0%	0%	100%	0%	0%
Residential out of home	95.9%	2.5%	1.7%	97.4%	1.7%	0.9%
In-home supports*	93.1%	6.9%	0%	94.6%	1.4%	4.1%
Crisis Behavioral	84.4%	9.4%	6.3%	82.4%	8.8%	8.8%

* Two of five (40%) non white respondents reported services were culturally appropriate only some of the time.

Community Inclusion and Participation

Table xx: Consumer Interview, Participation in community activities					
Activity	N	Participates	Level of Importance		
			Really	Somewhat	Not
Go out on errands	361	97.5%			
Shopping	366	96.2%	61.8%	27.8%	10.5%
Go out to eat	364	95.9%			
Go out for entertainment	365	92.1%	62.0%	29.2%	8.8%
Go out for exercise or sports	364	74.7%			
Go to religious services	359	54.6%	46.4%	25.2%	28.5%
Ever go to self-advocacy meeting	330	27.0%			

Table XX: Provider Satisfaction with Service Coordination

[illegible]

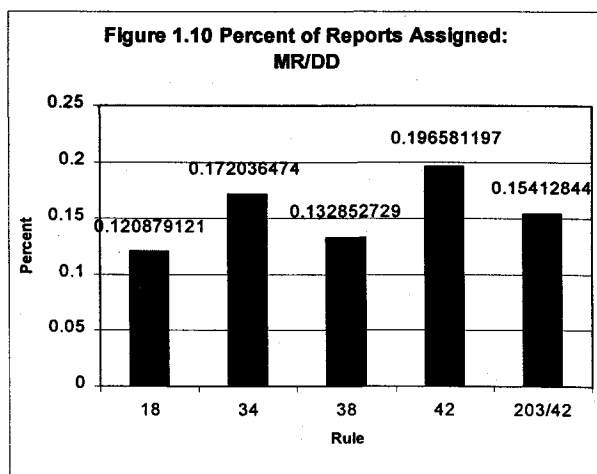
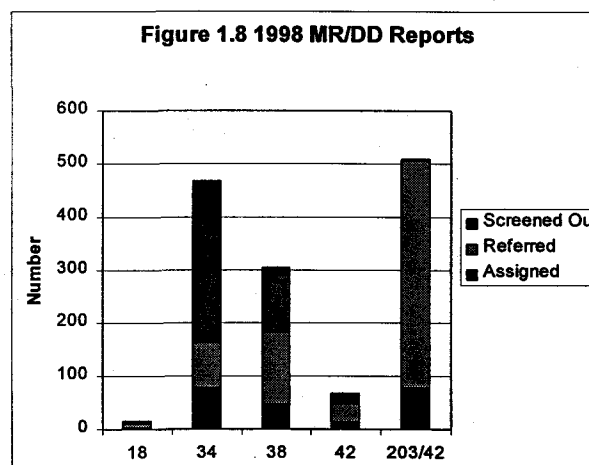
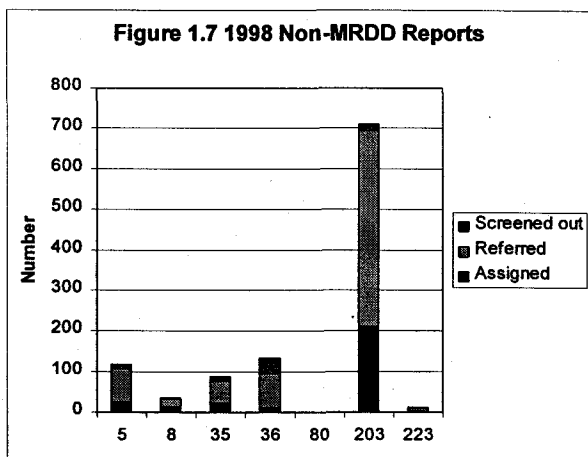
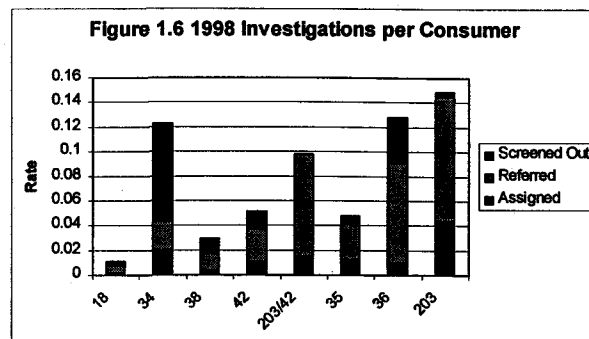
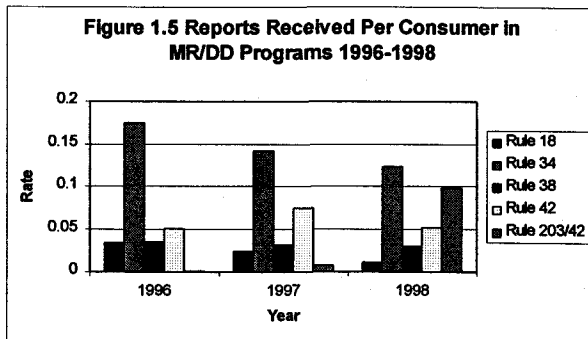


Table 1.5: VA Dispositions 1995 to 1998

Rule 18																
Number of Determinations						Percent of Determinations					Determination Per Consumer					
Year	Substantiated	Inconclusive	False	Other	Total	Substantiated	Inconclusive	False	Other	Total	Consumers	Substantiated	Inconclusive	False	Other	Total
1993																
1994																
1995	0	0	8	2	10	0.0%	0.0%	80.0%	20.0%	100.0%	1,598	0.000	0.000	0.005	0.001	0.006
1996	3	0	2	0	5	60.0%	0.0%	40.0%	0.0%	100.0%	1,278	0.002	0.000	0.002	0.000	0.004
1997	2	1	0	0	3	66.7%	33.3%	0.0%	0.0%	100.0%	1,278	0.002	0.001	0.000	0.000	0.002
1998	0	1	0	0	1	0.0%	100.0%	0.0%	0.0%	100.0%	1,484	0.000	0.001	0.000	0.000	0.001
Total	5	2	10	2	19	26.3%	10.5%	52.6%	10.5%	100.0%	5,638	0.001	0.000	0.002	0.000	0.003
Rule 34																
Year	Substantiated	Inconclusive	False	Other	Total	Substantiated	Inconclusive	False	Other	Total	Consumers	Substantiated	Inconclusive	False	Other	Total
1993	58	71	103	30	262	22.1%	27.1%	39.3%	11.5%	100.0%	5,072	0.011	0.014	0.020	0.006	0.052
1994	111	162	140	91	504	22.0%	32.1%	27.8%	18.1%	100.0%	4,838	0.023	0.033	0.029	0.019	0.104
1995	86	161	151	56	454	18.9%	35.5%	33.3%	12.3%	100.0%	4,455	0.019	0.036	0.034	0.013	0.102
1996	53	64	80	1	198	26.8%	32.3%	40.4%	0.5%	100.0%	3,826	0.014	0.017	0.021	0.000	0.052
1997	40	16	42	1	99	40.4%	16.2%	42.4%	1.0%	100.0%	3,604	0.011	0.004	0.012	0.000	0.027
1998	32	23	32	1	88	36.4%	26.1%	36.4%	1.1%	100.0%	3,804	0.008	0.006	0.008	0.000	0.023
Total	380	497	548	180	1605	23.7%	31.0%	34.1%	11.2%	100.0%	25,599	0.015	0.019	0.021	0.007	0.063
Rule 38																
Year	Substantiated	Inconclusive	False	Other	Total	Substantiated	Inconclusive	False	Other	Total	Consumers	Substantiated	Inconclusive	False	Other	Total
1993	13	22	38	18	91	14.3%	24.2%	41.8%	19.8%	100.0%						
1994	52	87	61	29	229	22.7%	38.0%	26.6%	12.7%	100.0%						
1995	21	36	55	19	131	16.0%	27.5%	42.0%	14.5%	100.0%						
1996	18	24	35	5	82	22.0%	29.3%	42.7%	6.1%	100.0%	9,787	0.002	0.002	0.004	0.001	0.008
1997	14	15	19	4	52	26.9%	28.8%	36.5%	7.7%	100.0%	10,216	0.001	0.001	0.002	0.000	0.005
1998	7	14	24	1	46	15.2%	30.4%	52.2%	2.2%	100.0%	10,447	0.001	0.001	0.002	0.000	0.004
Total	125	198	232	76	631	19.8%	31.4%	36.8%	12.0%	100.0%	30,450	0.001	0.002	0.003	0.000	0.006
Rule 42																
Year	Substantiated	Inconclusive	False	Other	Total	Substantiated	Inconclusive	False	Other	Total	Consumers	Substantiated	Inconclusive	False	Other	Total
1993	2	1	3	15	21	9.5%	4.8%	14.3%	71.4%	100.0% (own/family)						
1994	12	5	6	46	69	17.4%	7.2%	8.7%	66.7%	100.0%	698	0.017	0.007	0.009	0.066	0.099
1995	7	6	4	116	133	5.3%	4.5%	3.0%	87.2%	100.0%	1,212	0.006	0.005	0.003	0.096	0.110

Table 1.5: VA Dispositions 1995 to 1998

1996	4	1	2	2	9	44.4%	11.1%	22.2%	22.2%	100.0%	1,316	0.003	0.001	0.002	0.002	0.007
1997	1	4	5	1	11	9.1%	36.4%	45.5%	9.1%	100.0%	1,320	0.001	0.003	0.004	0.001	0.008
1998	1	4	2	0	7	14.3%	57.1%	28.6%	0.0%	100.0%	1,321	0.001	0.003	0.002	0.000	0.005
Total	27	21	22	180	250	10.8%	8.4%	8.8%	72.0%	100.0%	5,867	0.004	0.003	0.003	0.028	0.039

Rule 203/42

Year	Substantiated	Inconclusive	False	Other	Total	Substantiated	Inconclusive	False	Other	Total	Consumers	Substantiated	Inconclusive	False	Other	Total
1993																
1994																
1995																
1996	27	21	30	0	78	34.6%	26.9%	38.5%	0.0%	100.0%	4,348	0.006	0.005	0.007	0.000	0.018
1997	57	44	81	1	183	31.1%	24.0%	44.3%	0.5%	100.0%	4,676	0.012	0.009	0.017	0.000	0.039
1998	61	62	83	0	206	29.6%	30.1%	40.3%	0.0%	100.0%	5,190	0.012	0.012	0.016	0.000	0.040

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Table 1.21: Rule 18 Adult Dispositions

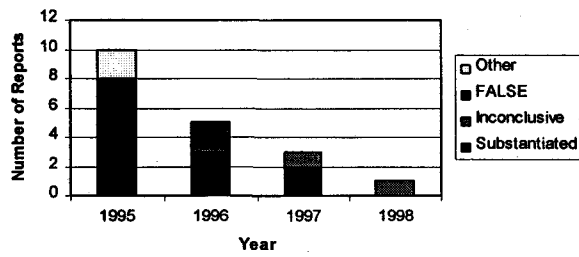


Table 1.22: Rule 34 Adult Dispositions

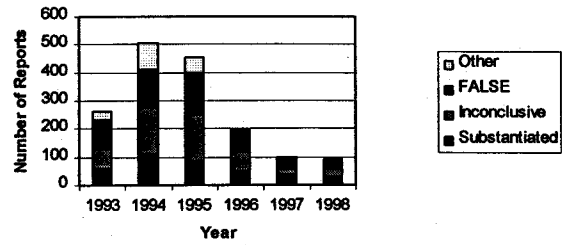


Table 1.23: Rule 38 Adult Dispositions

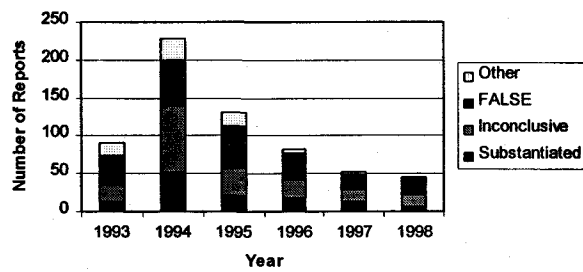


Table 1.24: Rule 42 Adult Dispositions

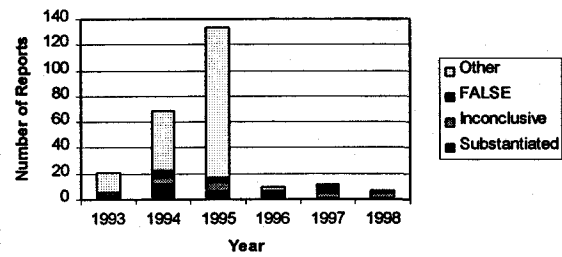


Table 1.25: Rule 203/42 Adult Dispositions

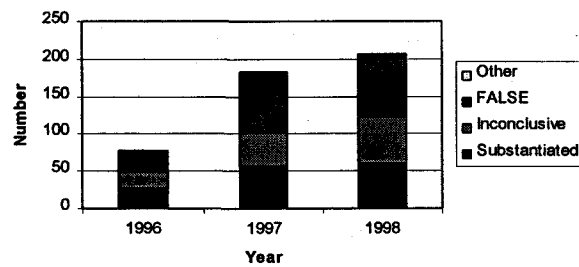


Table 2.2 Five Year Rates of Questionable Deaths Investigated/Substantiated per 1,000 Consumers Served

Rule	Deaths	Average N Consumers	Investigated Rate	Number Substantiated	Substantiated Rate
5	2			0	
35	2	1,972	1.01	1	0.51
36	5	1,030	4.85	1	0.97
18	1	1,410	0.71	0	0.00
34	6	4,284	1.40	4	0.93
203/42	8	3,892	2.06	4	1.03
203 - 203/42	10	6,085	1.64	4	0.66

Table XX: Direct Support Staff Experience Regarding VA Maltreatment Report

	Yes	No	F/Sig.
Afraid of job loss if report VA	29%	71%	17.02*
Know how to report VA	99%	1%	
Observed another person commit maltreatment	26%	74%	4.99*
Discouraged from reporting a VA (by Sup=7%, by co-worker 2%)	9%	91%	
Receive adequate feedback regarding report made	63%	37%	
Prevented VA situation of client to client violence	6%	44%	
Prevented VA situation of client to client sexual	2%	98%	
Prevented VA regarding consumer injury	3%	97%	
Reporting prev. for staff injury	4%	96%	
Reporting prev. for med error	7%	93%	
Report prev for consumer theft	3%	97%	
Report prev for theft by agency staff	2%	98%	
Report prev for staff misconduct	10%	90%	

Table XX: DSP Observation of Consumer to Consumer Violence

Severity of Problem	Percent
Not a problem	58%
Mild problem	31%
Moderate problem	5%
Severe problem	3%

Table XX: Seriousness of Consumer to Consumer Violence by Region and Provider Type

	Vocational			Residential			Total		
	Metro	Outstate	Rural	Metro	Outstate	Rural	Metro	Outstate	Rural
Not a problem	46%	33%	18%	62%	52%	59%	57%	46%	47%
Mild	40%	58%	73%	33%	39%	24%	35%	45%	39%
Moderate	14%	8%	9%	3%	6%	14%	7%	7%	12%
Severe	0%	0%	0%	1%	4%	4%	0.90%	3%	3%

Table XX: 1998 Reports not investigated because during initial disposition determined not to be maltreatment

Disposition	Incident Type											Total
	Sexual Abuse	Physical Abuse	Emotional/ Verbal Abuse	Neglect	Financial Exploitation	Aversive Deprivation	Self- Abuse	Client to Client	Unexplain- ed Injury	More info.	Multiple Incidents	
Screened Out	18	42	21	170	12	1	4	58	134	39	2	493
MH/CD	0	1	0	1	2	0	1	0	0	0	0	5
DD Unit	11	41	58	250	39	19	1	23	19	23	1	480
Child Protection	1	3	0	2	0	0	0	0	0	0	0	6
Ombudsman	0	0	0	2	0	0	0	0	0	6	0	7
County (Unspecified)	1	3	0	1	0	0	0	1	0	5	0	11
Human Rights	0	0	0	0	0	0	0	0	0	0	0	0
Adult Protection	14	13	3	27	5	0	1	3	3	15	2	80
Police	5	0	1	0	2	0	0	1	0	2	0	10
Health Dept.	0	0	0	0	0	0	0	0	0	0	0	0
AF Unit at County	22	57	45	389	25	10	5	29	53	36	0	643
OHFC	6	13	6	34	6	2	0	4	10	18	1	98
Unknown	0	0	0	0	0	0	0	0	0	10	0	10
Other	1	2	1	5	0	0	0	1	1	2	0	13
Total	79	175	135	881	91	32	12	120	220	156	6	1,856