

# DISCUSSION DRAFT

## Needs Assessment Data Project

### STRATEGIC PLANNING REPORT Fiscal Year 1990

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# Introduction

## The Needs Assessment Data Project

Two policy trends converged in 1990 to highlight the need within the Department of Social and Health Services for information on clients and possible clients, grouped by social category (race, ethnicity, gender, age and disability) and by location (region, county, and field office). First, the Minority Initiative raised fundamental questions about the way DSHS was serving minority populations. Second, the Strategic Planning effort raised important issues around geographic access to programs and costs of service.

Recent improvements in data processing technology were critical to the technical and financial feasibility of answering these fundamental questions. In September of 1990, the Office of Research and Data Analysis was authorized to begin the Needs Assessment Data Project (NADP), using geographic information software (ARC-INFO) and statistical analysis software (SAS) to answer some of the questions posed by the Diversity Initiatives and the Strategic Planning efforts.

Building the NADP databases took nine months of a Project Team consisting of 4.5 staff persons and many hours of ORDA programmer time. That is only the tip of the iceberg. Without the 159 persons across DSHS and 15 outside DSHS who provided data extracts and helped the NADP Project Team define programs, match DSHS data sources to those programs, develop expenditure, check results, and explore ways to model "possible client populations", this project would have collapsed under its own weight.

The Needs Assessment Data Project is **not** a needs assessment. Instead, it provides baseline information (data) which decision makers and planners across DSHS can use to assess service needs and gaps. That information is being presented in a series of reports exploring the service use of client groups during FY90. These reports are being prepared for Division staff, the Diversity Initiatives, the Strategic Planning Review and the Cabinet.

This report highlights summary information from the Needs Assessment Data Project. More detailed information is being made available to divisions in detailed division and program specific reports. Those reports are currently being distributed to divisions for their review, so that final versions can be issued to coincide with their strategic planning process.

If Strategic Planning participants and teams have questions about this report or have other questions which they would like to see answered from these databases, the NADP team is available. Questions should be referred to Elizabeth Kohlenberg, PhD, NADP Project Manager (753-3412) or David Pavelchek, ORDA Data Analysis Supervisor (753-7042).

## Methods and Data

### Measures Used In this Report

Two summary measures are highlighted on maps and text tables. Both are based upon the NADP databases, which store unduplicated FY90 clients and estimates of "possible clients" by division. They are Use Rates and Per Capita Expenditures, and are defined as follows:

$$\text{Use Rate} = \frac{\text{Number of clients in County Y or Group X}}{\text{Number of "possible clients" in County Y or Group X}}$$
$$\text{Per Capita Expenditures} = \frac{\text{Total Dollars Spent Serving Clients in Group X}}{\text{Total Clients in Group X}}$$

The maps and tables which present these two rates depend heavily upon one index value -- the "quartile". Quartiles refer to the "cut-points" which divide a distribution of cases (e.g., counties) into fourths. Thus, the ten counties with the lowest per capita expenditures form the lowest quartile and the ten with the highest per capita expenditures form the highest quartile.

### Databases and Warnings

Because race, age, gender, amount of service and client location were needed for each client, only those programs for which this information was available on DSHS databases were included in the client database. For the current round of NADP reports, those programs were combined into 84 groups comprising ten divisions (see Appendix A).

The methods used for estimating possible clients are described briefly in Appendix C. Both the client database and the possible client estimations are still under review by Division staff. Therefore, those data and these reports are subject to revision.

NADP's ability to estimate a division's possible clients varied widely, depending upon the availability of data sources and national and local research agendas. Because of that variation, differences in use rates across divisions are not meaningful unless the differences in overall magnitude are controlled statistically (as they are in Tables 4 and 5).

However, these use rates are meaningful comparisons within a single division. They can be used either to compare the use rates of subpopulations (e.g. blacks to whites) or counties.

Two divisions included in this report still have incomplete data in some areas. Aging and Adult Services is missing two major programs: Nursing Homes (which will be added as soon as the Consultec database is fixed) and the Area Agencies on Aging (not available in digital form). These omissions make Aging's maps and tables misleading, since they include all the "community alternatives" to nursing homes but not the nursing homes themselves.

The Division of Refugee Assistance Refugee Report (from which the possible client data was taken) shows the location of all refugees in Fall of 1989. However, those reports need to be updated to allocate refugees arriving during Winter and Spring of 1990 to the appropriate counties. Until that is done, the county-level use rates for DORA are unreliable, since the "possible client population" is incomplete. However, the state-level information on refugee clients and populations, and the expenditure information, are not affected by this problem.

## Summary of Results

### There are Substantial Geographic Differences in Use and Expenditure

- For seven out of ten divisions, most of the counties with low Use Rates are in Eastern Washington or in relatively remote corners of Western Washington (See Table 2 or the Use Rate Maps in the Division Exhibits).
- These use rate differences across counties are large. The distance between the first and fourth quartiles (or 25th and 75th percentiles) is over 100% for 5 divisions, around 70% for 2 divisions, and around 40% for the other three divisions (See Table 5).
- In nine out of ten divisions, almost all the counties with low Per Capita Expenditures were in Eastern Washington or in remote rural parts of Western Washington (Table 3 or the Per Capita Expenditures in the Division Exhibits).
- Differences in expenditure per capita across counties are less striking than differences in use rates; however, they still involve large relative differences in (Table 4).

### There are Large Racial/Ethnic Differences in Use and Expenditure

- For seven out of ten divisions, Asian possible clients used DSHS services at a lower than any other racial/ethnic group (Table 1).
- For seven out of ten divisions, Hispanic possible clients are either the next lowest (next to Asians) in Use Rates, or are the lowest (Table 1).
- For seven out of ten divisions, either Asians or Hispanics had the lowest per capita expenditures (Table 1).
- The differences in expenditures vary by divisions, but none are trivial. The largest range represents a 270% increase from the lowest rate to the highest; the smallest range represents a 118% from lowest to highest. Divisions which had equally large community and institutional sectors seemed to have more variation in expenditure by race.

### There are Smaller but Consistent Gender Differences in Use and Expenditure

- For seven out of ten divisions, male possible clients are using services at a lower rate than are females (Table 1).
- Expenditure differences show a more varied pattern. In most divisions, there are only small differences in per capita expenditure between male and female clients. A few divisions, however, show "gender gaps" which are large enough to need explanation.

### There are No Consistent Age Differences in Use and Expenditure

- There was no clear agency-wide pattern of relative use or relative expenditures among the age groups (Table 1).

## Questions Addressed

This report analyses FY90 clients, unduplicated within their division, and addresses the following questions:

- In each county, how many persons used each division's services? (Division Tables)
- Across the state, what was the gender, age, and race/ethnicity of each division's clients? (Table 1)
- How many persons of each gender, age and racial/ethnic group live in the state? (Appendix D)
- In each county, how many persons were estimated "possible clients" for each division? (Division Exhibit Tables and Table 2)
- For the state, what was the gender, age and race/ethnicity of those possible clients? (Table 1)
- In each county, what proportion of the possible clients actually used each division's services? (Division Exhibit Use Rate Maps and Tables)
- In each county, how much was spent per client on all divisional programs combined? (Division Exhibit Per Capita Expenditure Maps and Tables)
- In the state, what proportion of the possible clients by gender, age, and racial/ethnic subgroup actually used services? (Table 1)
- In the state, how much was spent per capita by each division, on all clients and on clients in each subgroup? (Table 1)

### Questions to be Addressed In Division-based Reports

Other NADP reports currently in progress address client service information at finer levels of detail. NADP is presently distributing Program and Division-level reports. Those reports address the above questions for each division. They also explore possible interactions between two possible sorts of impacts upon client service use (geographic locations and client subgroups) by presenting indices which combine those effects. Special state-wide reports on race/ethnicity and gender will also be provided.

### Future Report Possibilities from NADP databases

Future possible uses of this database under consideration include:

- Unduplicating the FY90 clients across the entire agency, and reporting on the service use and expenditures of clients shared by several divisions.
- Adding reports by smaller geographic units (field offices, legislative districts, school districts, cities and towns).
- A department-wide summary report on clients with disabilities.



## **Important Questions This Report Cannot Answer**

This report shows which client groups and which regions of the state are receiving more or less service. However, this report cannot explain **why** use varies. Understanding the variation requires knowledge of local alternatives to DSHS, client preferences and DSHS actions. Therefore, during any planning process using this information, the following questions should be explored:

### **Why are persons in some groups or some types of places using proportionally more or fewer services than persons in other groups and other places?**

- Are there barriers to service which affect different groups differently, such as distance to services, ethnocentrism, lack of knowledge, or distrust of government?
- Are some client groups using preferred alternatives which are not available to other groups?
- Do some groups need more service, in ways the NADP has not measured?

### **Why is less or more money being spent on persons in some client groups?**

- Are some groups of clients better able to supplement DSHS services with non-DSHS resources? (For example, do some groups have better access to family capital?)
- Are racial, ethnic, gender or age biases influencing service delivery?
- Are some groups "underusing" preventive services and then "overusing" more costly emergency services?
- Conversely, are some groups being placed in secure but costly state-run facilities while others are being diverted to less expensive community services?

### **How much unmet service need exists across the state?**

- What alternative services (church, private, local) exist in different places, and how much service need is being met in those sectors?
- Do some groups or communities rely more heavily upon family and community informal help than other groups and communities?



# **Summary Tables Agency-Wide**

**TABLE I: USE RATES & PER CAPITA EXPENDITURES FOR FY90 CLIENTS UNDUPLICATED BY DIVISION**

	BY RACE AND ETHNICITY					BY GENDER		BY AGE			
	ALL	Asian	Black	Hispanic	Indian	White	Female	Male	0-17	18-64	65+
<b>HEALTH AND REHABILITATION</b>											
• <b>Alcohol &amp; Substance Abuse</b>											
Use Rate	31%	6%	67%	15%	54%	31%	23%	38%	24%	33%	11%
Per Capita Expenditures	993	771	1072	863	974	1000	1017	982	552	1046	699
• <b>Developmental Disabilities</b>											
Use Rate	34%	17%	40%	22%	38%	33%	37%	32%	21%	54%	45%
Per Capita Expenditures	3870	2072	2558	1508	2812	4115	3909	3822	716	5855	2621
• <b>Mental Health</b>											
Use Rate	24%	17%	31%	18%	30%	22%	28%	21%	14%	26%	82%
Per Capita Expenditures	4457	4249	6574	2267	4030	4598	3389	5810	2693	5224	3636
• <b>Vocational Rehabilitation</b>											
Use Rate **	14%	7%	17%	13%	18%	14%	12%	16%	na	14%	na
Per Capita Expenditures	**1346	1437	1256	1256	1193	1361	1369	1331		1346	
<b>ECONOMIC SERVICES</b>											
• <b>Income Assistance</b>											
Use Rate	68%	54%	86%	47%	60%	62%	70%	54%	83%	52%	48%
Per Capita Expenditures	1110	1359	1409	932	1383	1081	1174	1024	1461	987	74
• <b>Refugee Assistance</b>											
Use Rate	43%	39%	57%	100%	na	90%	50%	38%	36%	48%	100%
Per Capita Expenditures	1385	1485	1075	1026		908	1425	1344	1781	1204	248
<b>MEDICAL SERVICES</b>											
• <b>Medical Assistance</b>											
Use Rate	67%	81%	70%	54%	58%	64%	70%	58%	57%	82%	40%
Per Capita Expenditures	1323	1164	1319	1136	1416	1370	1429	1206	695	1960	1389
<b>AGING &amp; ADULT SERVICES</b>											
• <b>Aging/Adult Services</b>											
Use Rate	10%	18%	12%	8%	11%	9%	11%	9%	na	12%	9%
Per Capita Expenditures	2465	4346	3151	3306	2660	2426	2505	2388		2735	2394
<b>CHILDREN, YOUTH &amp; FAMILY</b>											
• <b>Children &amp; Family</b>											
Use Rate *	9%	2%	10%	12%	17%	6%	9%	8%	9%	na	na
Per Capita Expenditures *	915	1263	1401	740	1244	1083	838	1029	915		
• <b>Juvenile Rehabilitation</b>											
Use Rate *	0.4%	0.1%	2.0%	0.4%	0.9%	0.3%	0.1%	0.7%	0.4%	na	na
Per Capita Expenditures	*14846	15618	15505	13431	15958	14754	14313	14884	14846		

\* Age rates represent birth through age eighteen rather than birth through age seventeen.

\*\* Age rates represent ages 16 through 64 ("working age"), rather than 18 through 64.

**TABLE 2: GEOGRAPHIC PATTERN OF LOW USE RATE COUNTIES**

	<b>Eastern Counties</b>	<b>Western Counties</b>
<b>HEALTH AND REHABILITATION</b>		
• Alcohol & Substance Abuse	7	3 (Pacific, San Juan, Wahkiakum)
• Developmental Disabilities	7	3 (Pacific, San Juan, Wahkiakum)
• Mental Health	5	5 (Clark, Island, King, Kitsap, Whatcom)
• Vocational Rehabilitation	7	3 (Clallam, San Juan, Wahkiakum)
<b>ECONOMIC SERVICES</b>		
• Income Assistance	6	4 (Kitsap, San Juan, Wahkiakum, Whatcom)
• Refugee Assistance		
<b>MEDICAL SERVICES</b>		
• Medical Assistance	6	4 (Island, San Juan, Wahkiakum, Whatcom)
<b>AGING &amp; ADULT SERVICES</b>		
• Aging/Adult Services	4	6 (Cowlitz, Island, King, Kitsap, San Juan, Wahkiakum)
<b>CHILDREN, YOUTH &amp; FAMILY</b>		
• Children & Family	7	3 (Island, San Juan, Wahkiakum)
• Juvenile Rehabilitation	7	3 (Jefferson, Wahkiakum, San Juan)

**TABLE 3: GEOGRAPHIC PATTERN OF LOW PER CAPITA EXPENDITURES**

	<b>Eastern Counties</b>	<b>Western Counties</b>
<b>HEALTH AND REHABILITATION</b>		
• Alcohol & Substance Abuse	7	3 (Jefferson, Grays Harbor, Wahkiakum)
• Developmental Disabilities	10	0
• Mental Health	9	1 (Cowlitz)
• Vocational Rehabilitation	8	2 (Clallam, Island)
<b>ECONOMIC SERVICES</b>		
• Income Assistance	6	3 (Island, San Juan, Wahkiakum)
• Refugee Assistance	6	1 (Jefferson)
<b>MEDICAL SERVICES</b>		
• Medical Assistance	7	3 (Clark, Jefferson, Mason)
<b>AGING &amp; ADULT SERVICES</b>		
• Aging/Adult Services	5	5 (Clallam, Jefferson, Mason, Pacific, Thurston)
<b>CHILDREN, YOUTH &amp; FAMILY</b>		
• Children & Family	7	3 (Island, San Juan, Wahkiakum)
• Juvenile Rehabilitation	7	3 (Grays Harbor, Pacific, San Juan)

**TABLE 4: DISPERSION OF USE RATES ACROSS COUNTIES**

	25th Percentile Quartile 1 (Q1)	75th Percentile Quartile 3 (Q3)	Difference Q1 - Q3	$((Q1 - Q3) / Q1) * 100$
<b>HEALTH AND REHABILITATION</b>				
• Alcohol & Substance Abuse	19 %	39 %	20	105 %
• Developmental Disabilities	23 %	39 %	16	70 %
• Mental Health	20 %	42 %	22	110 %
• Vocational Rehabilitation	9 %	18 %	9	100 %
<b>ECONOMIC SERVICES</b>				
• Income Assistance	56 %	78 %	22	40 %
• Refugee Assistance				
<b>MEDICAL SERVICES</b>				
• Medical Assistance	54 %	77 %	23	43 %
<b>AGING &amp; ADULT SERVICES</b>				
• Aging/Adult Services	16 %	26 %	10	63 %
<b>CHILDREN, YOUTH &amp; FAMILY</b>				
• Children & Family	5 %	11 %	6	120 %
• Juvenile Rehabilitation	0.2 %	0.43 %	0.2	100 %

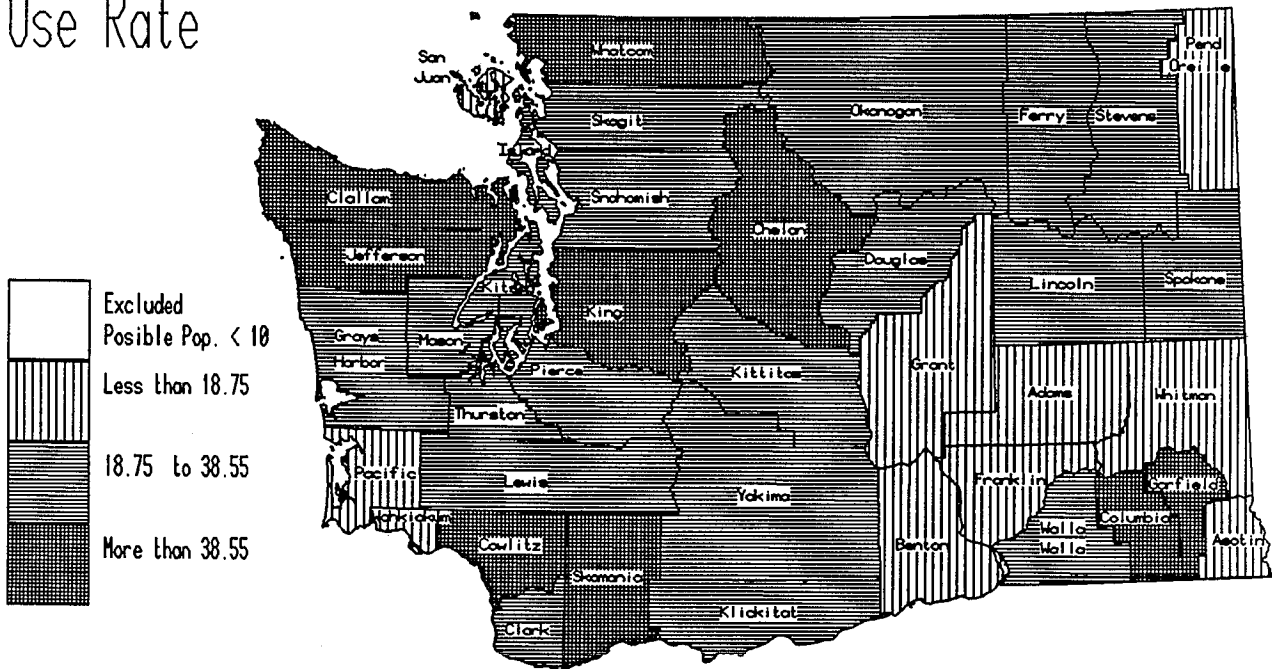
**TABLE 5: DISPERSION OF PER CAPITA EXPENDITURE ACROSS COUNTIES**

	25th Percentile Quartile 1 (Q1)	75th Percentile Quartile 3 (Q3)	Difference Q1 - Q3	% $((Q1 - Q3) / Q1) * 100$
<b>HEALTH AND REHABILITATION</b>				
• Alcohol & Substance Abuse	\$ 598	\$ 1,051	\$ 453	76 %
• Developmental Disabilities	\$ 2,081	\$ 4,072	\$ 1,191	57 %
• Mental Health	\$ 1,709	\$ 3,985	\$ 2,276	133 %
• Vocational Rehabilitation	\$ 1,151	\$ 1,412	\$ 261	23 %
<b>ECONOMIC SERVICES</b>				
• Income Assistance	\$ 911	\$ 1,094	\$ 183	20 %
• Refugee Assistance	\$ 843	\$ 1,332	\$ 489	58 %
<b>MEDICAL SERVICES</b>				
• Medical Assistance	\$ 1,143	\$ 1,328	\$ 185	16 %
<b>AGING &amp; ADULT SERVICES</b>				
• Aging/Adult Services	\$ 8,072	\$ 10,490	\$ 2,418	30 %
<b>CHILDREN, YOUTH &amp; FAMILY</b>				
• Children & Family	\$ 898	\$ 1,047	\$ 9,592	17 %
• Juvenile Rehabilitation	\$ 18,888	\$ 14,450	\$ 4,438	23 %

# **Division Exhibits Maps and Tables**

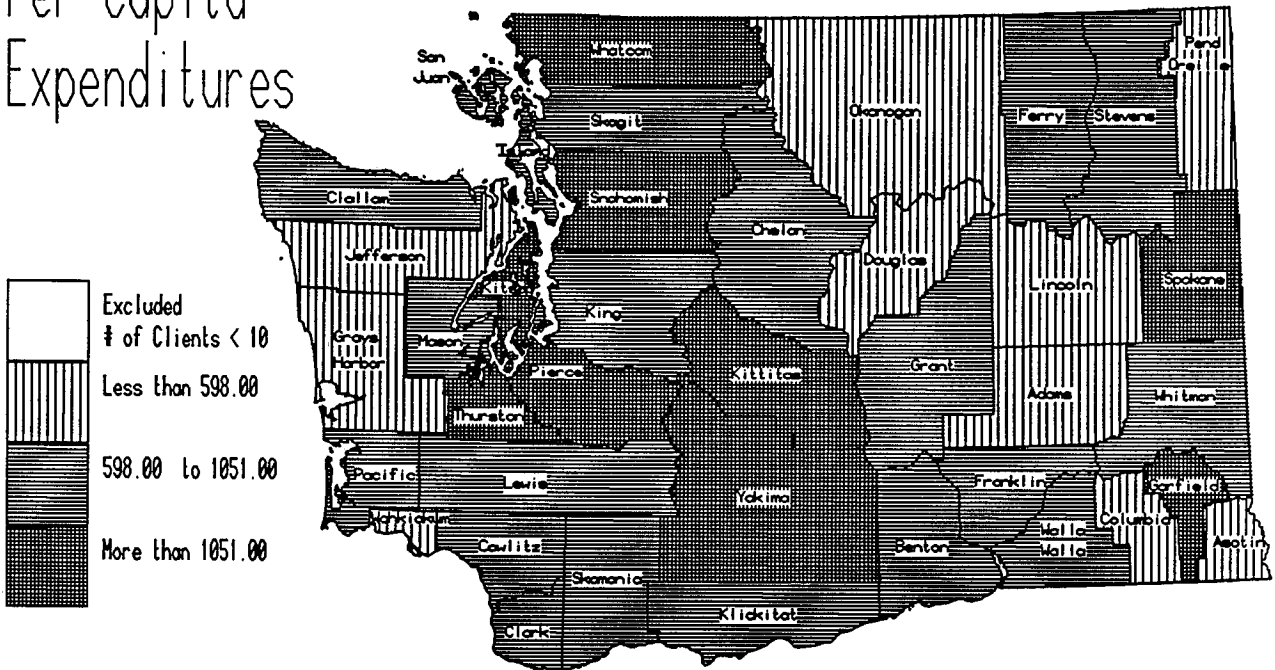
# Division of Alcohol and Substance Abuse

## Use Rate



Source: ORDA-NADP Client Database 7/89 - 6/90

## Per Capita Expenditures



Source: ORDA-NADP Client Database 7/89 - 6/90

Exhibit 1A

Data Under Review by Division



## Department of Alcohol and Substance Abuse

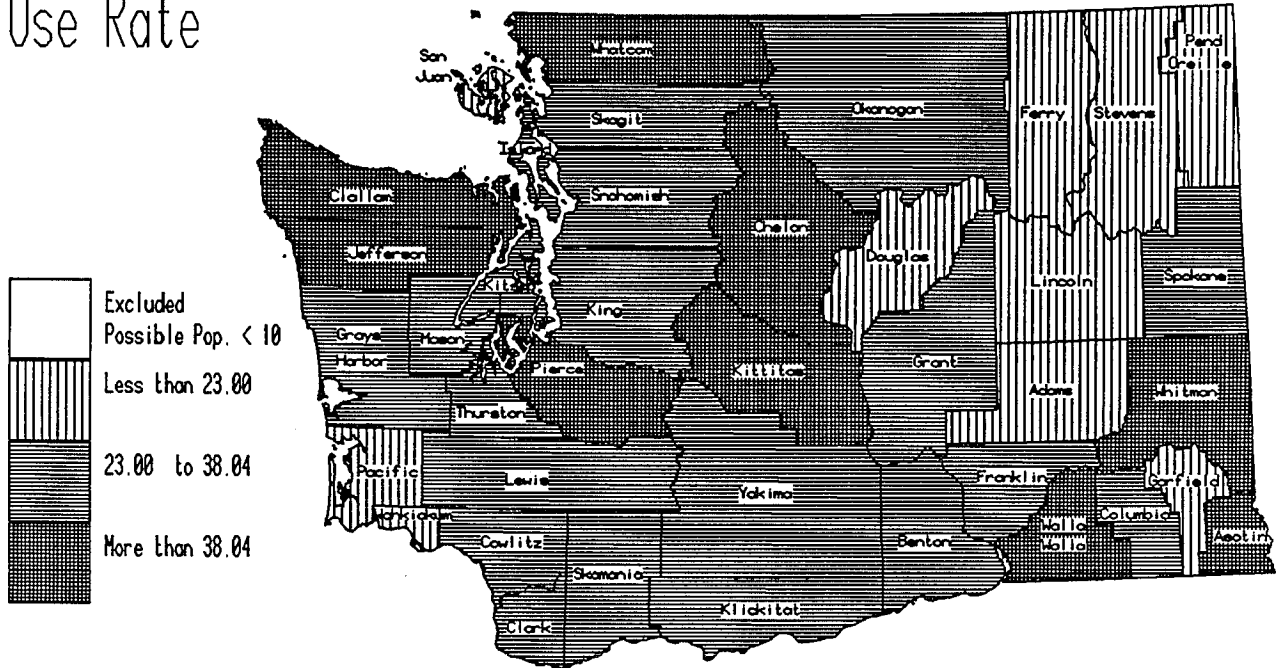
	TOTAL PEOPLE [1]	POSSIBLE CLIENTS [2]	TOTAL CLIENTS [3]	USE RATE [4]	TOTAL EXPENDITURES [5]	PER CAPITA EXPENDITURES [6]
County						
ADAMS	13603	714	15	2.10	5986	399
ASOTIN	17605	946	168	17.76	78745	469
BENTON	112560	4647	575	12.37	536385	933
CHELAN	52250	1430	796	55.66	557769	701
CLALLAM	56464	1385	648	46.79	680761	1051
CLARK	238053	6502	1626	25.01	1147215	706
COLUMBIA	4024	131	89	67.94	35464	398
COWLITZ	82119	2452	947	38.62	811457	857
DOUGLAS	26205	819	236	28.82	133729	567
FERRY	6295	327	104	31.80	64888	624
FRANKLIN	37473	2018	347	17.20	336099	969
GARFIELD	2248	29	19	65.52	20260	1066
GRANT	54758	2838	532	18.75	414839	780
GRAYS HARBOR	64175	2068	692	33.46	402950	582
ISLAND	60195	1052	303	28.80	241676	798
JEFFERSON	20146	623	272	43.66	158886	584
KING	1507319	25565	11806	46.18	11626309	985
KITSAP	189731	4531	1396	30.81	1860490	1333
KITTITAS	26725	951	306	32.18	503993	1647
KLICKITAT	16616	585	168	28.72	126375	752
LEWIS	59358	2019	421	20.85	402521	956
LINCOLN	8864	261	58	22.22	22635	390
MASON	38341	1172	268	22.87	181122	676
OKANOGAN	33350	1653	325	19.66	127638	393
PACIFIC	18882	652	81	12.42	74731	923
PEND OREILLE	8915	407	73	17.94	43689	598
PIERCE	586203	16170	4129	25.53	4859462	1177
SAN JUAN	10035	255	13	5.10	9521	732
SKAGIT	79555	2031	783	38.55	756493	966
SKAMANIA	8289	220	95	43.18	60289	635
SNOHOMISH	465642	8473	2680	31.63	2986529	1114
SPOKANE	361364	11842	2829	23.89	3007527	1063
STEVENS	30948	1137	282	24.80	181435	643
THURSTON	161238	3384	904	26.71	1025005	1134
WAHIAKUM	3327	139	20	14.39	7699	385
WALLA WALLA	48439	1388	473	34.08	398002	841
WHATCOM	127780	3496	1659	47.45	1745511	1052
WHITMAN	38775	2165	125	5.77	87575	701
YAKIMA	188823	8616	2463	28.59	2739040	1112
STATE	4866692	125093	38725	30.96	38460702	993

- [1] Total persons from the U.S. Census 1990 Summary Tape 1.
- [2] All persons below 100% poverty plus women and adolescents below 200% poverty adjusted for substance abuse prevalence (NIDA 1990, Regier et al 1990, Holzer et al 1989).
- [3] Clients are unduplicated persons who used the following programs during Fiscal Year 1990: Assessments, Methadone Treatment, ADATSA Grant, Detoxification, Outpatient Treatment, and Residential Treatment.
- [4] Use Rate = Total Clients / Possible Clients.
- [5] Total Expenditures are the total actual or estimated dollars spent on direct client service for the above programs during FY90.
- [6] Per Capita Expenditures = Total Expenditures / Total Clients.

### Exhibit 1B

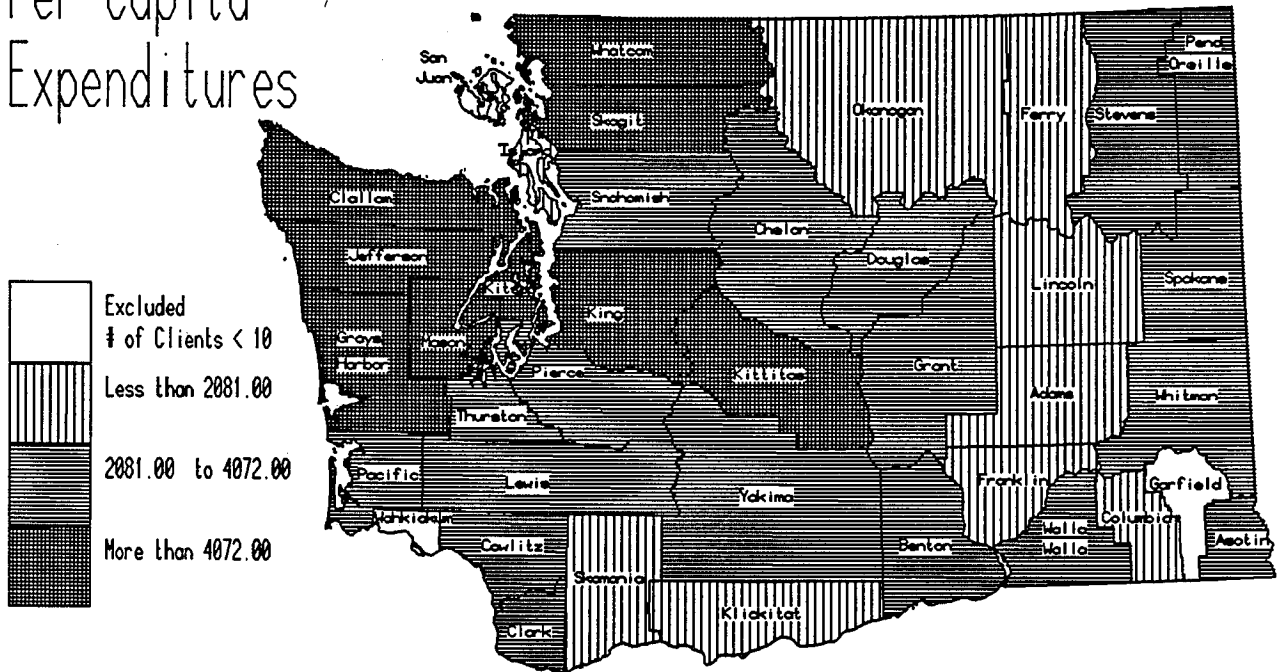
# Division of Developmental Disabilities

## Use Rate



Source: ORDA-NADP Client Database 7/89 - 6/90

## Per Capita Expenditures



Source: ORDA-NADP Client Database 7/89 - 6/90

Exhibit 2A

Data Under Review by Division

## Division of Developmental Disabilities

	TOTAL PEOPLE [1]	POSSIBLE CLIENTS [2]	TOTAL CLIENTS [3]	USE RATE [4]	TOTAL EXPENDITURES [5]	PER CAPITA EXPENDITURES [6]
County						
ADAMS	13603	160	12	7.50	16339	1362
ASOTIN	17605	184	142	77.17	327148	2304
BENTON	112560	1236	389	31.47	940882	2419
CHELAN	52250	556	212	38.13	487914	2301
CLALLAM	56464	582	267	45.88	1257155	4708
CLARK	238053	2611	837	32.06	3121473	3729
COLUMBIA	4024	37	13	35.14	18612	1432
COWLITZ	82119	891	301	33.78	1117887	3714
DOUGLAS	26205	300	69	23.00	219333	3179
FERRY	6295	70	15	21.43	25333	1689
FRANKLIN	37473	445	156	35.06	134189	860
GARFIELD	2248	22	3	13.64	13449	4483
GRANT	54758	627	171	27.27	510793	2987
GRAYS HARBOR	64175	692	215	31.07	1339083	6228
ISLAND	60195	584	146	25.00	303820	2081
JEFFERSON	20146	204	78	38.24	408649	5239
KING	1507319	15841	4759	30.04	22798929	4791
KITSAP	189731	2002	623	31.12	2985327	4792
KITTITAS	26725	251	109	43.43	585566	5372
KLICKITAT	16616	180	58	32.22	22767	393
LEWIS	59358	621	228	36.71	633349	2778
LINCOLN	8864	88	17	19.32	19254	1133
MASON	38341	422	148	35.07	795998	5378
OKANOGAN	33350	355	84	23.66	49962	595
PACIFIC	18882	176	27	15.34	66538	2464
PEND OREILLE	8915	97	11	11.34	27737	2522
PIERCE	586203	7281	3127	42.95	10392869	3324
SAN JUAN	10035	86	6	6.98	2634	439
SKAGIT	79555	801	228	28.46	1069184	4689
SKAMANIA	8289	92	35	38.04	5200	149
SNOHOMISH	465642	4987	1556	31.20	5297323	3404
SPOKANE	361364	4819	1759	36.50	6525290	3710
STEVENS	30948	348	58	16.67	188541	3251
THURSTON	161238	1722	524	30.43	2133940	4072
WAHKIAKUM	3327	32	5	15.63	0	0
WALLA WALLA	48439	450	278	61.78	839449	3020
WHATCOM	127780	1293	502	38.82	2100186	4184
WHITMAN	38775	303	118	38.94	449556	3810
YAKIMA	188823	2415	841	34.82	3326244	3955
STATE	4866692	53863	18235	33.85	70561266	3870

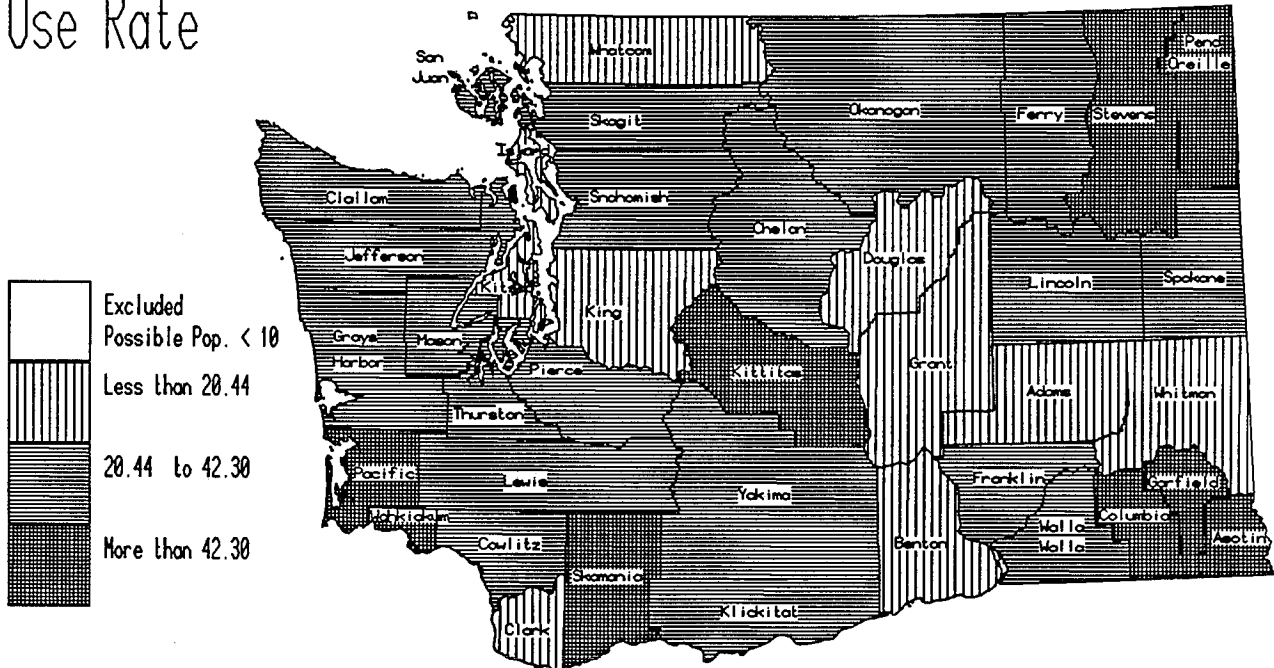
- [1] Total persons from the U.S. Census 1990 Summary Tape 1.
- [2] All non-institutionalized persons adjusted for prevalence of developmental disabilities using an adjusted set of prevalences from LaPlante 1989. Increased by number of clients in DDD institutions and residential facilities.
- [3] Clients are unduplicated persons who used the following programs during Fiscal Year 1990: Assessment and Case Management, Personal Care for Child, Medically Intensive Clients, Residential Habilitation Centers, Community Residential Programs, Independent and Alternative Living, County Social Day Programs, Employment Programs, Family Support, and Community Support for Clients.
- [4] Use Rate = Total Clients / Possible Clients.
- [5] Total Expenditures are the total actual or estimated dollars spent on direct client service for the above programs during FY90.
- [6] Per Capita Expenditures = Total Expenditures / Total Clients.

### Exhibit 2B

Data Under Review by Division

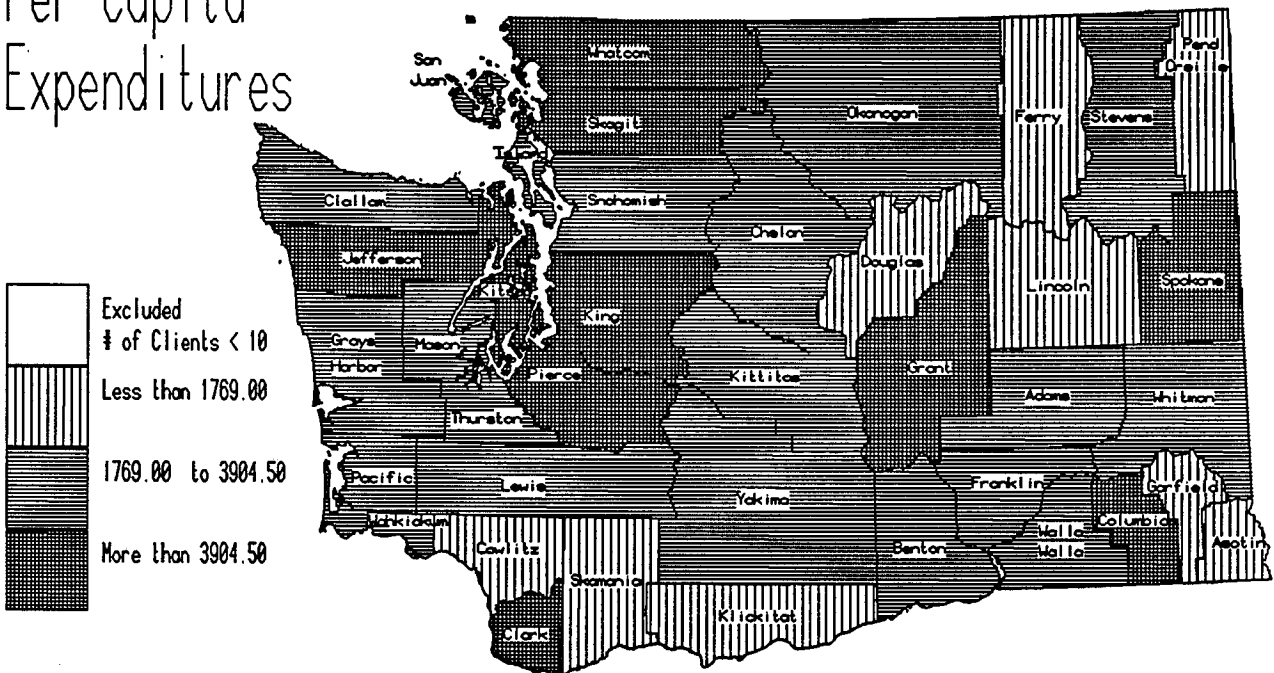
# Mental Health Division

## Use Rate



Source: ORDA-NADP Client Database 7/89 - 6/90

## Per Capita Expenditures



Source: ORDA-NADP Client Database 7/89 - 6/90

Exhibit 3A

Data Under Review by Division

## Mental Health Division

	TOTAL PEOPLE [1]	POSSIBLE CLIENTS [2]	TOTAL CLIENTS [3]	USE RATE [4]	TOTAL EXPENDITURES [5]	PER CAPITA EXPENDITURES [6]
County						
ADAMS	13603	653	108	16.54	206941	1916
ASOTIN	17605	867	641	73.93	779770	1216
BENTON	112560	5691	970	17.04	3231898	3332
CHELAN	52250	2525	714	28.28	1936518	2712
CLALLAM	56464	2745	1161	42.30	2179714	1877
CLARK	238053	12110	1681	13.88	6660240	3962
COLUMBIA	4024	188	133	70.74	753751	5667
COWLITZ	82119	4120	1723	41.82	2830812	1643
DOUGLAS	26205	1306	241	18.45	424081	1760
FERRY	6295	404	148	36.63	202872	1371
FRANKLIN	37473	1830	389	21.26	1444441	3713
GARFIELD	2248	105	76	72.38	97360	1281
GRANT	54758	2720	556	20.44	2272923	4088
GRAYS HARBOR	64175	3235	1058	32.70	2749420	2599
ISLAND	60195	2944	582	19.77	1246067	2141
JEFFERSON	20146	959	226	23.57	948496	4197
KING	1507319	73623	12513	17.00	64102527	5123
KITSAP	189731	9620	1385	14.40	7670888	5539
KITTITAS	26725	1296	608	46.91	2078691	3419
KLICKITAT	16616	852	295	34.62	469245	1591
LEWIS	59358	2956	1119	37.86	3078551	2751
LINCOLN	8864	426	157	36.85	275893	1757
MASON	38341	1898	427	22.50	1359955	3185
OKANOGAN	33350	1798	467	25.97	1796408	3847
PACIFIC	18882	874	436	49.89	777773	1784
PEND OREILLE	8915	456	250	54.82	263144	1053
PIERCE	586203	29590	9073	30.66	60737062	6694
SAN JUAN	10035	460	128	27.83	227557	1778
SKAGIT	79555	3961	1489	37.59	7388004	4962
SKAMANIA	8289	430	222	51.63	235430	1060
SNOHOMISH	465642	23829	5183	21.75	17701303	3415
SPOKANE	361364	18125	7402	40.84	40147403	5424
STEVENS	30948	1660	806	48.55	1596258	1980
THURSTON	161238	8087	1682	20.80	5386905	3203
WAKIAKUM	3327	158	80	50.63	143005	1788
WALLA WALLA	48439	2423	648	26.74	2313229	3570
WHATCOM	127780	6486	1099	16.94	5521135	5024
WHITMAN	38775	1890	207	10.95	639006	3087
YAKIMA	188823	9541	2739	28.71	10304561	3762
STATE	4866692	242841	58827	24.22	262180169	4457

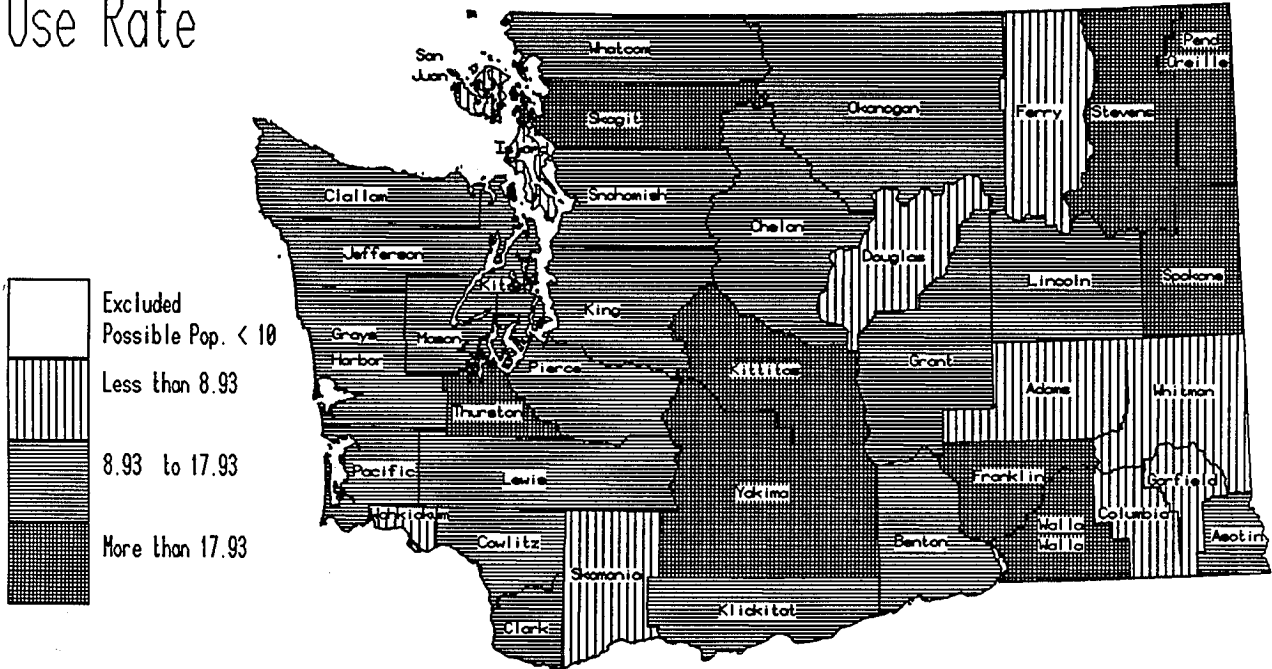
- [1] Total persons from the U.S. Census 1990 Summary Tape 1.
- [2] All persons not living in non-military or dormitory group quarters, adjusted for prevalence of mental disorders using Holzer et al 1989 for adults and Trupin et al 1988 for children. Increased by the number of clients in MHD Child Study and Treatment Center programs and 50% of children living in their group quarters.
- [3] Clients are unduplicated persons who used the following programs during Fiscal Year 1990: Case Management, Adult Day Treatment, Child Day Treatment, Treatment in CHMCs, Intake and Evaluation in CMHCs, Medication Management, Mental Health Clients in CCFs and AFHs, Community Residential Treatment Facilities, Community Residential Tx-Transitional, State Institutions, Child Study & Treatment Center, and Mental Health Involuntary Treatment Act.
- [4] Use Rate = Total Clients / Possible Clients.
- [5] Total Expenditures are the total actual or estimated dollars spent on direct client service for the above programs during FY90.
- [6] Per Capita Expenditures = Total Expenditures / Total Clients.

### Exhibit 3B

Data Under Review by Division

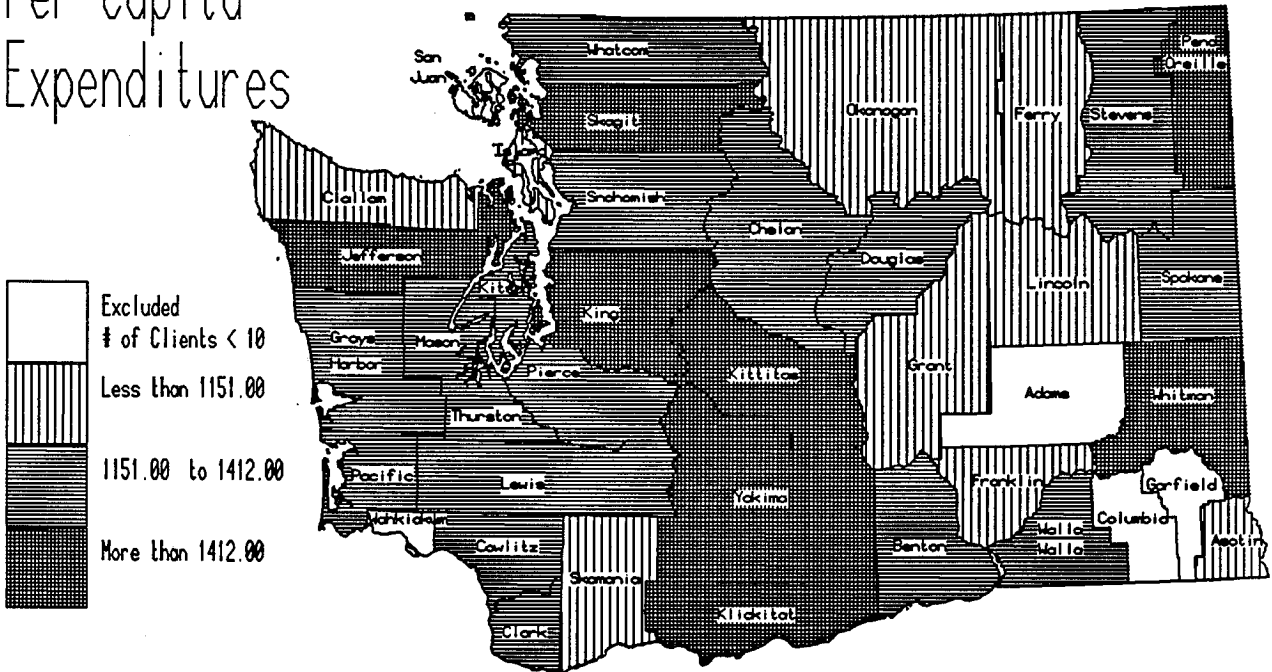
# Division of Vocational Rehabilitation

## Use Rate



Source: ORDA-NADP Client Database 7/89 - 6/90

## Per Capita Expenditures



Source: ORDA-NADP Client Database 7/89 - 6/90

Exhibit 4A

Data Under Review by Division

## Division of Vocational Rehabilitation

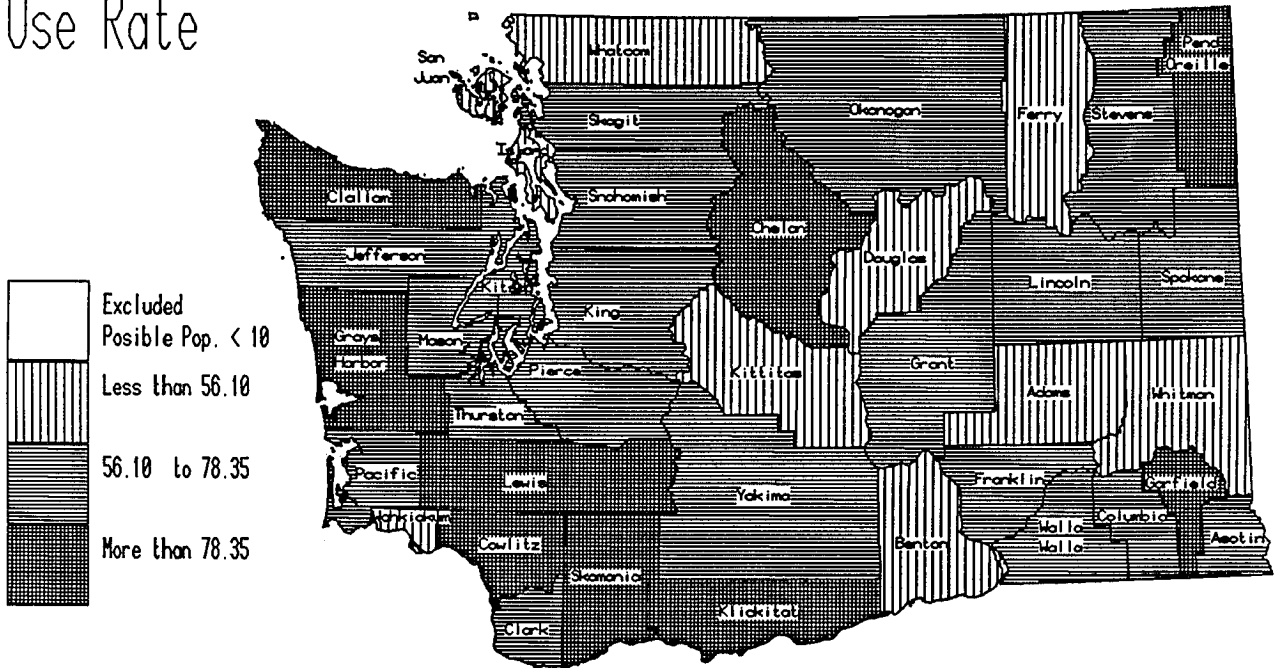
	TOTAL PEOPLE [1]	POSSIBLE CLIENTS [2]	TOTAL CLIENTS [3]	USE RATE [4]	TOTAL EXPENDITURES [5]	PER CAPITA EXPENDITURES [6]
County						
ADAMS	13603	373	6	1.61	3810	635
ASOTIN	17605	559	73	13.06	73857	1012
BENTON	112560	3635	533	14.66	636464	1194
CHELAN	52250	1671	241	14.42	290959	1207
CLALLAM	56464	1764	299	16.95	329408	1102
CLARK	238053	7826	884	11.30	1220055	1380
COLUMBIA	4024	146	4	2.74	5707	1427
COWLITZ	82119	2639	290	10.99	352690	1216
DOUGLAS	26205	829	74	8.93	87843	1187
FERRY	6295	203	12	5.91	10251	854
FRANKLIN	37473	1075	202	18.79	232587	1151
GARFIELD	2248	63	4	6.35	3619	905
GRANT	54758	1681	236	14.04	264604	1121
GRAYS HARBOR	64175	2036	317	15.57	390899	1233
ISLAND	60195	1780	126	7.08	139698	1109
JEFFERSON	20146	635	91	14.33	162671	1788
KING	1507319	52732	5964	11.31	8690651	1457
KITSAP	189731	6053	825	13.63	1165191	1412
KITTITAS	26725	870	178	20.46	282299	1586
KLICKITAT	16616	503	54	10.74	82101	1520
LEWIS	59358	1800	269	14.94	319570	1188
LINCOLN	8864	252	29	11.51	29482	1017
MASON	38341	1216	218	17.93	306262	1405
OKANOGAN	33350	1051	110	10.47	117070	1064
PACIFIC	18882	547	57	10.42	71367	1252
PEND OREILLE	8915	270	55	20.37	80013	1455
PIERCE	586203	19623	2419	12.33	3158263	1306
SAN JUAN	10035	307	5	1.63	23728	4746
SKAGIT	79555	2487	543	21.83	768527	1415
SKAMANIA	8289	261	11	4.21	11977	1089
SNOHOMISH	465642	15774	1797	11.39	2399376	1335
SPOKANE	361364	11902	2900	24.37	3664883	1264
STEVENS	30948	965	213	22.07	273523	1284
THURSTON	161238	5265	955	18.14	1209420	1266
WAHKIAKUM	3327	98	3	3.06	2767	922
WALLA WALLA	48439	1443	277	19.20	351865	1270
WHATCOM	127780	4319	721	16.69	835858	1159
WHITMAN	38775	1226	94	7.67	142304	1514
YAKIMA	188823	5723	2001	34.96	2867974	1433
STATE	4866692	161602	23093	14.29	31093163	1346

- [1] Total persons from the U.S. Census 1990 Summary Tape 1.
- [2] All persons from 18 to 64 not living in Group Quarters, adjusted for prevalence of work limiting conditions from LaPlante 1989. Increased by the clients in MHD institutions and residential programs, AASD Congregate Care Facilities and Adult Family Homes, and DDD Community Residential and Alternative Living programs.
- [3] Clients are unduplicated persons who used the following programs during Fiscal Year 1990: Case Management, Medical or Psychological Treatment, Vocational Diagnosis and Adjustment, Personal Support Services, Education Training and Supplies, Placement Support Services, Vehicle Purchase Repair or Alterations, and Other Services.
- [4] Use Rate = Total Clients / Possible Clients.
- [5] Total Expenditures are the total actual or estimated dollars spent on direct client service for the above programs during FY90.
- [6] Per Capita Expenditures = Total Expenditures / Total Clients.

### Exhibit 4B

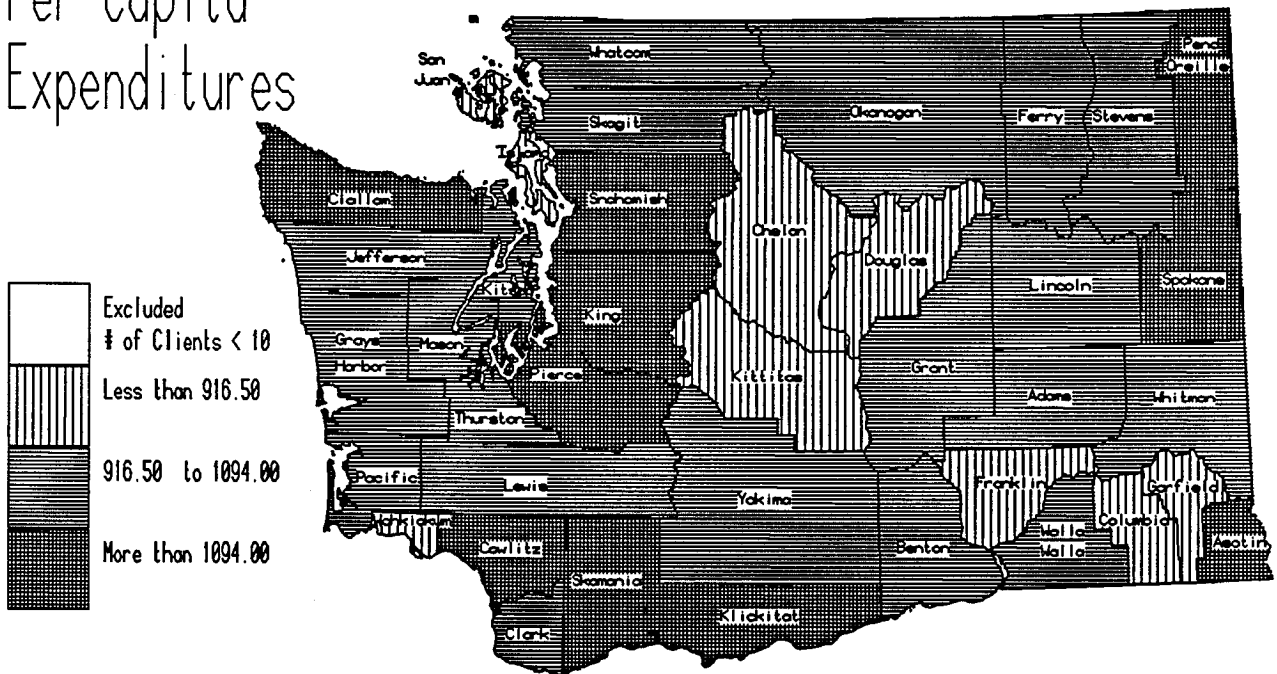
# Division of Income Assistance

## Use Rate



Source: ORDA-NADP Client Database 7/89 - 6/90

## Per Capita Expenditures



Source: ORDA-NADP Client Database 7/89 - 6/90

Exhibit 5A

Data Under Review by Division



## Division of Income Assistance

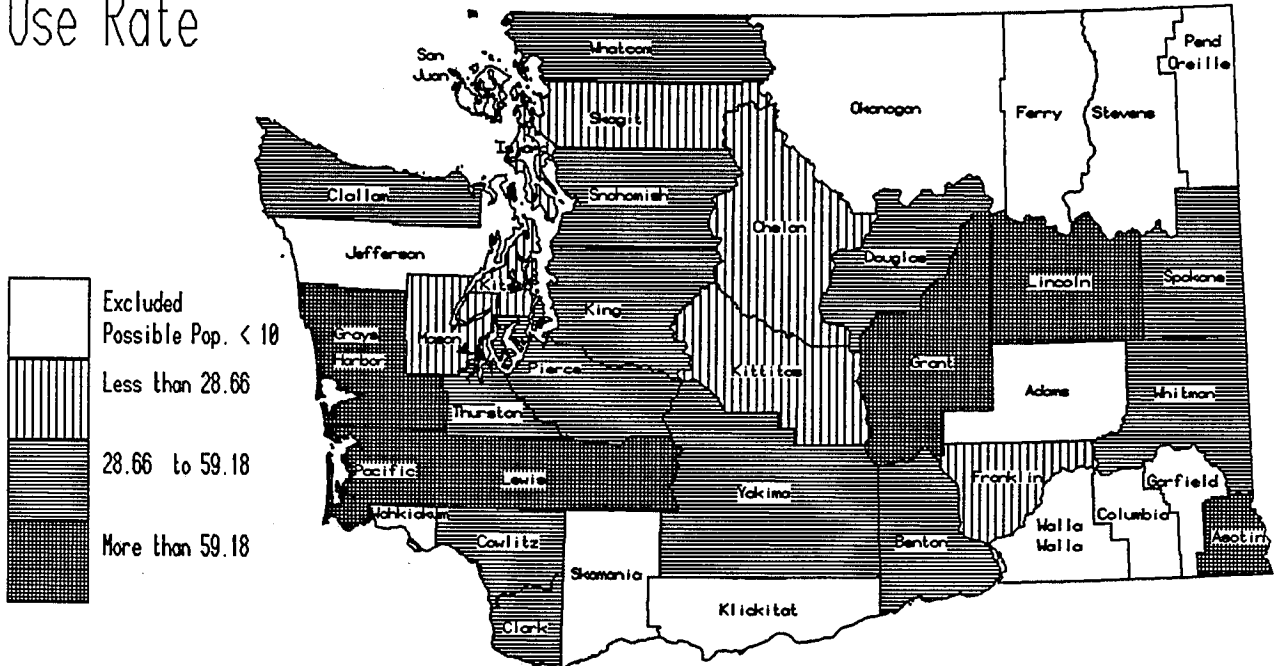
	TOTAL PEOPLE [1]	POSSIBLE CLIENTS [2]	TOTAL CLIENTS [3]	USE RATE [4]	TOTAL EXPENDITURES [5]	PER CAPITA EXPENDITURES [6]
County						
ADAMS	13603	5048	353	6.99	361058	1023
ASOTIN	17605	6532	4918	75.29	5646977	1148
BENTON	112560	32529	14000	43.04	14635816	1045
CHELAN	52250	10007	9448	94.41	7763061	822
CLALLAM	56464	9655	8732	90.44	9728477	1114
CLARK	238053	45592	31088	68.19	31532428	1014
COLUMBIA	4024	901	683	75.80	509627	746
COWLITZ	82119	17132	13779	80.43	15909802	1155
DOUGLAS	26205	5735	3059	53.34	2632053	860
FERRY	6295	2250	933	41.47	909740	975
FRANKLIN	37473	14545	8917	61.31	8117653	910
GARFIELD	2248	200	264	132.00	233600	885
GRANT	54758	20038	12615	62.96	13704917	1086
GRAYS HARBOR	64175	14267	14216	99.64	14959319	1052
ISLAND	60195	7411	3186	42.99	2903487	911
JEFFERSON	20146	4306	2518	58.48	2521811	1002
KING	1507319	188158	128663	68.38	151069627	1174
KITSAP	189731	32119	19902	61.96	21668427	1089
KITTITAS	26725	6626	3265	49.28	2674114	819
KLICKITAT	16616	4034	3994	99.01	4515544	1131
LEWIS	59358	14007	10993	78.48	11304895	1028
LINCOLN	8864	1804	1040	57.65	1036055	996
MASON	38341	8064	5655	70.13	5916657	1046
OKANOGAN	33350	11462	7426	64.79	6993181	942
PACIFIC	18882	4552	3482	76.49	3280675	942
PEND OREILLE	8915	2804	2416	86.16	2668654	1105
PIERCE	586203	117282	81226	69.26	96011985	1182
SAN JUAN	10035	1768	365	20.64	252720	692
SKAGIT	79555	14149	11038	78.01	10175471	922
SKAMANIA	8289	1517	1356	89.39	1484167	1095
SNOHOMISH	465642	59718	41121	68.86	49350163	1200
SPOKANE	361364	82803	57977	70.02	71163048	1227
STEVENS	30948	7832	5011	63.98	5094726	1017
THURSTON	161238	24263	18837	77.64	20588800	1093
WAKIYAKUM	3327	961	339	35.28	256644	757
WALLA WALLA	48439	9774	7658	78.35	7402485	967
WHATCOM	127780	24255	13607	56.09	13342978	981
WHITMAN	38775	15515	2355	15.18	2287779	971
YAKIMA	188823	61026	46762	76.63	48799432	1044
STATE	4866692	890641	603246	67.73	669410523	1110

- [1] Total persons from the U.S. Census 1990 Summary Tape 1.  
 [2] Persons below 100% poverty adjusted for 'non-parent AFDC households' and movement of persons in and out of poverty in a year.  
 [3] Clients are unduplicated persons who used the following programs during Fiscal Year 1990: Aged Blind and Disabled, GA-U (Unemployable), Regular AFDC and FIP Grants, Employable AFDC and FIP Grants, Pregnancy Grants, Food Assistance, Work-Related Child Care, and Refugee Grants - also in DORA.  
 [4] Use Rate = Total Clients / Possible Clients.  
 [5] Total Expenditures are the total actual or estimated dollars spent on direct client service for the above programs during FY90.  
 [6] Per Capita Expenditures = Total Expenditures / Total Clients.

Exhibit 5B

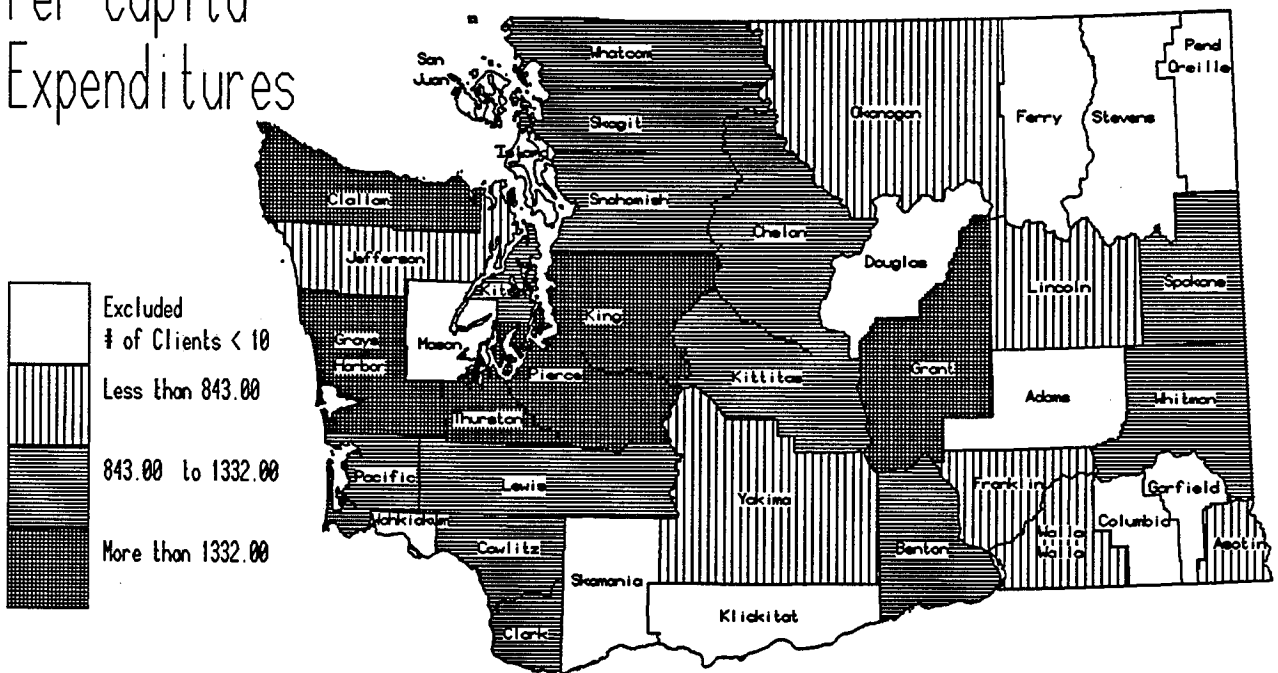
# Division of Refugee Assistance

## Use Rate



Source: ORDA-NADP Client Database 7/89 - 6/90

## Per Capita Expenditures



Source: ORDA-NADP Client Database 7/89 - 6/90

Exhibit 6A

Data Under Review by Division

## Division of Refugee Assistance

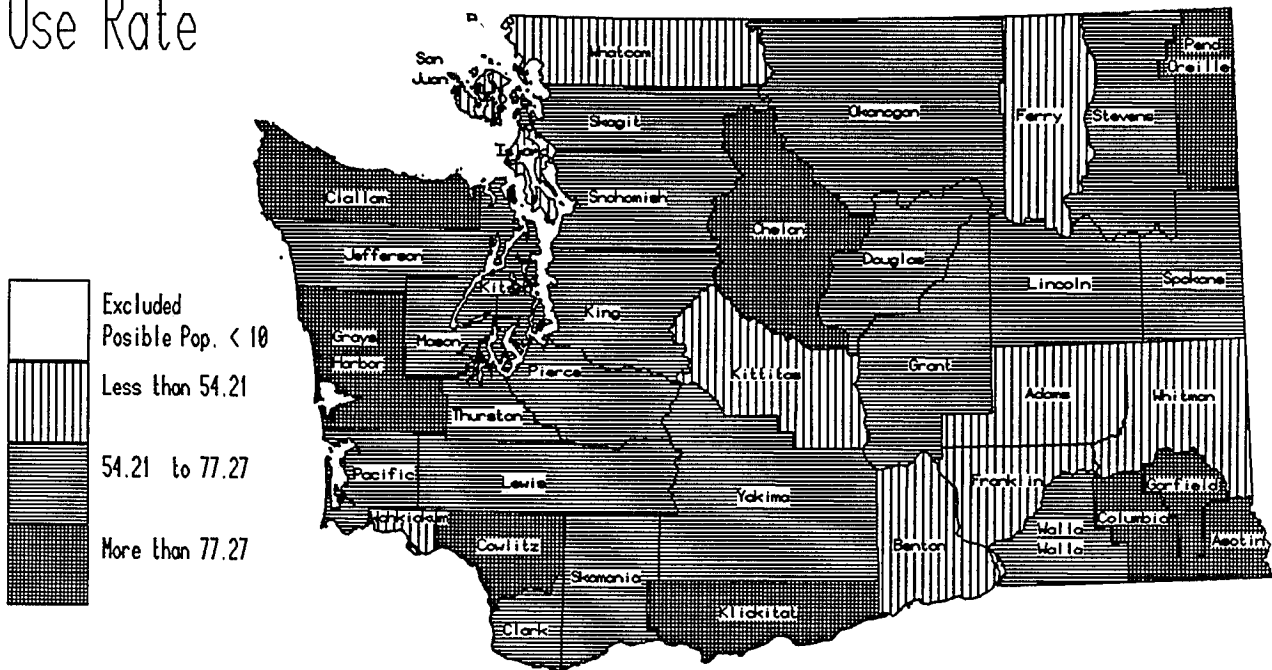
	TOTAL PEOPLE [1]	POSSIBLE CLIENTS [2]	TOTAL CLIENTS [3]	USE RATE [4]	TOTAL EXPENDITURES [5]	PER CAPITA EXPENDITURES [6]
County						
ADAMS	13603	0	0	0.00	0	.
ASOTIN	17605	12	38	316.67	26672	702
BENTON	112560	940	336	35.74	285740	850
CHELAN	52250	488	83	17.01	89776	1082
CLALLAM	56464	50	19	38.00	37105	1953
CLARK	238053	1358	648	47.72	854409	1319
COLUMBIA	4024	0	0	0.00	0	.
COWLITZ	82119	961	334	34.76	444985	1332
DOUGLAS	26205	10	3	30.00	3213	1071
FERRY	6295	0	0	0.00	0	.
FRANKLIN	37473	827	237	28.66	199897	843
GARFIELD	2248	0	0	0.00	0	.
GRANT	54758	10	25	250.00	40255	1610
GRAYS HARBOR	64175	218	154	70.64	289097	1877
ISLAND	60195	40	4	10.00	785	196
JEFFERSON	20146	0	35	0.00	15956	456
KING	1507319	32509	13286	40.87	18541906	1396
KITSAP	189731	833	204	24.49	230022	1128
KITTITAS	26725	117	16	13.68	14986	937
KLICKITAT	16616	0	9	0.00	1752	195
LEWIS	59358	72	73	101.39	88818	1217
LINCOLN	8864	11	14	127.27	7686	549
MASON	38341	40	1	2.50	2264	2264
OKANOGAN	33350	6	19	316.67	7721	406
PACIFIC	18882	220	182	82.73	233175	1281
PEND OREILLE	8915	0	1	0.00	640	640
PIERCE	586203	9066	4914	54.20	7567278	1540
SAN JUAN	10035	0	0	0.00	0	.
SKAGIT	79555	215	16	7.44	13579	849
SKAMANIA	8289	0	0	0.00	0	.
SNOHOMISH	465642	3256	1723	52.92	2143170	1244
SPOKANE	361364	2176	716	32.90	864741	1208
STEVENS	30948	0	0	0.00	0	.
THURSTON	161238	2290	967	42.23	1527698	1580
WAHIAKUM	3327	0	0	0.00	0	.
WALLA WALLA	48439	5	39	780.00	16273	417
WHATCOM	127780	712	311	43.68	291775	938
WHITMAN	38775	49	29	59.18	38639	1332
YAKIMA	188823	99	47	47.47	31004	660
STATE	4866692	56590	24483	43.26	33911015	1385

- [1] Total persons from the U.S. Census 1990 Summary Tape 1.  
 [2] All persons who have entered the Washington State as refugees since 1975 from DORA files.  
 [3] Clients are unduplicated persons who used the following programs during Fiscal Year 1990: English as a Second Language Training, Refugee Grant - also in DIA, Personal Employment Plan (PEP), Case Management, Employment Support (EIC), Employment Services, and Income Assistance - also in DIA.  
 [4] Use Rate = Total Clients / Possible Clients.  
 [5] Total Expenditures are the total actual or estimated dollars spent on direct client service for the above programs during FY90.  
 [6] Per Capita Expenditures = Total Expenditures / Total Clients.

Exhibit 6B

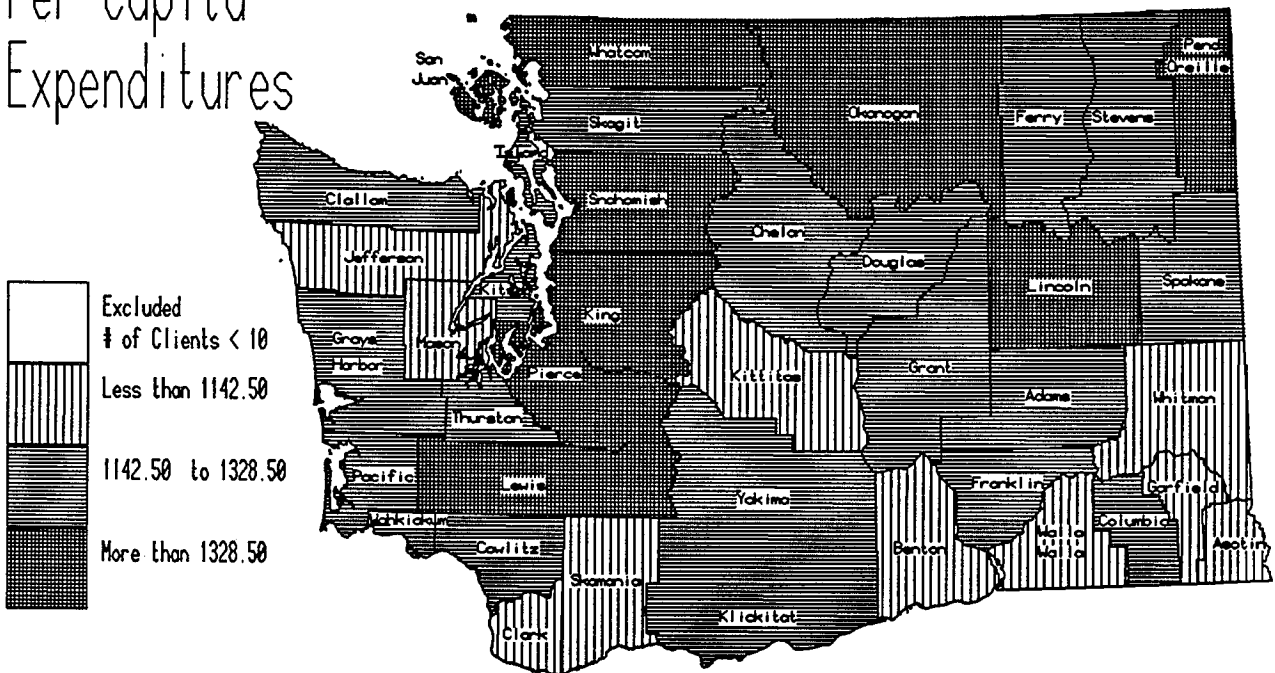
# Division of Medical Assistance

## Use Rate



Source: ORDA-NADP Client Database 7/89 - 6/90

## Per Capita Expenditures



Source: ORDA-NADP Client Database 7/89 - 6/90

Exhibit 7A

Data Under Review by Division

## Division of Medical Assistance

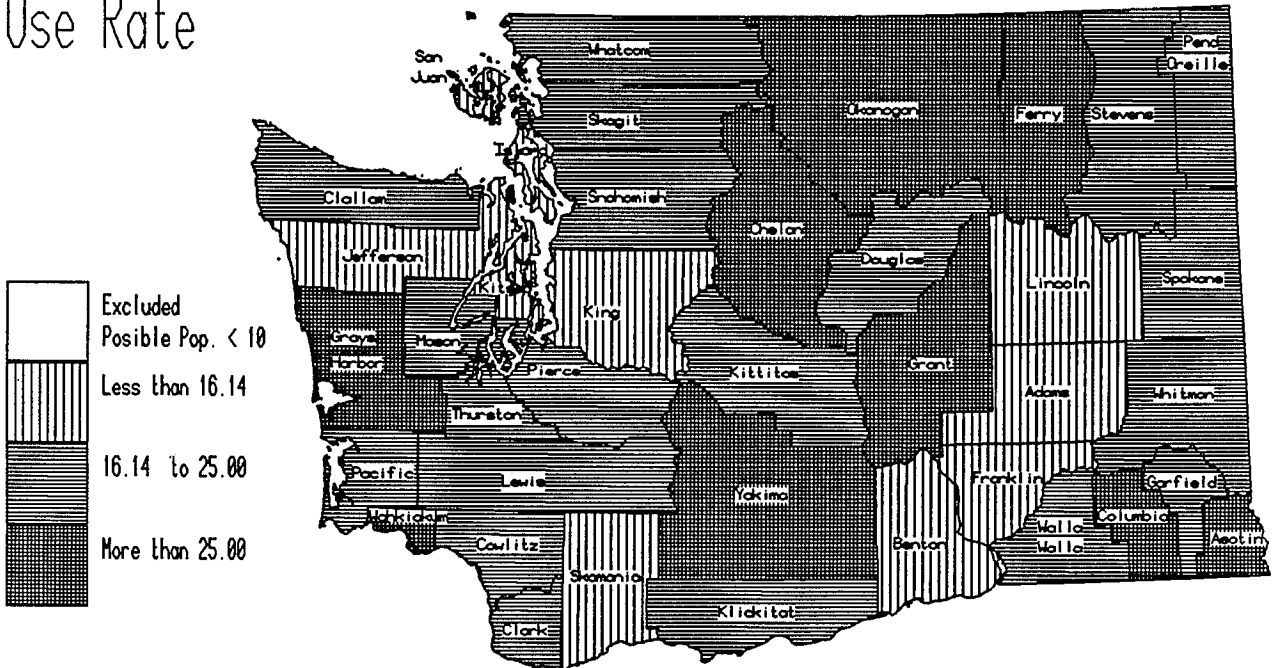
	TOTAL PEOPLE [1]	POSSIBLE CLIENTS [2]	TOTAL CLIENTS [3]	USE RATE [4]	TOTAL EXPENDITURES [5]	PER CAPITA EXPENDITURES [6]
County						
ADAMS	13603	3779	351	9.29	446268	1271
ASOTIN	17605	4728	3782	79.99	4140769	1095
BENTON	112560	24390	10305	42.25	11769165	1142
CHELAN	52250	7629	6871	90.06	8935126	1300
CLALLAM	56464	7860	6982	88.83	8157534	1168
CLARK	238053	35116	23461	66.81	26733752	1139
COLUMBIA	4024	667	520	77.96	653623	1257
COWLITZ	82119	13535	10794	79.75	12812592	1187
DOUGLAS	26205	4279	2400	56.09	3028844	1262
FERRY	6295	1693	629	37.15	797241	1267
FRANKLIN	37473	11270	6073	53.89	6953263	1145
GARFIELD	2248	149	225	151.01	204505	909
GRANT	54758	15176	9720	64.05	11293498	1162
GRAYS HARBOR	64175	11456	10671	93.15	13714959	1285
ISLAND	60195	5940	2227	37.49	2738438	1230
JEFFERSON	20146	3363	1858	55.25	1856604	999
KING	1507319	155853	105585	67.75	165059995	1563
KITSAP	189731	25967	16407	63.18	18846500	1149
KITTITAS	26725	4896	2427	49.57	2578984	1063
KLICKITAT	16616	3171	2709	85.43	3382275	1249
LEWIS	59358	11164	8247	73.87	11630849	1410
LINCOLN	8864	1395	823	59.00	1230000	1495
MASON	38341	6518	4663	71.54	5100024	1094
OKANOGAN	33350	8568	5463	63.76	7339127	1343
PACIFIC	18882	3572	2538	71.05	3160488	1245
PEND OREILLE	8915	2114	1897	89.74	2534954	1336
PIERCE	586203	93788	63490	67.70	84375623	1329
SAN JUAN	10035	1380	294	21.30	446544	1519
SKAGIT	79555	11482	8222	71.61	10436027	1269
SKAMANIA	8289	1172	883	75.34	765781	867
SNOHOMISH	465642	50630	32485	64.16	45355217	1396
SPOKANE	361364	63168	46066	72.93	61156138	1328
STEVENS	30948	5901	3878	65.72	4519354	1165
THURSTON	161238	19424	14018	72.17	17404829	1242
WAHKIAKUM	3327	745	293	39.33	342862	1170
WALLA WALLA	48439	7386	5707	77.27	6212960	1089
WHATCOM	127780	19315	10471	54.21	13962984	1333
WHITMAN	38775	11162	1930	17.29	1852819	960
YAKIMA	188823	47133	35304	74.90	40351961	1143
STATE	4866692	706934	470787	66.60	622828423	1323

- [1] Total persons from the U.S. Census 1990 Summary Tape 1.
- [2] All persons below 100% of poverty plus pregnant women and children below 200% poverty and persons estimated to be eligible for ADATSA and refugees. Also included is an estimate of person's who became "medically needy" due to medical emergencies beyond the persons financial abilities.
- [3] Clients are unduplicated persons who used the following programs during Fiscal Year 1990: Hospital Inpatient, Hospital Outpatient, Physician Services, Prescription Drugs, Dental Services, Hospice Care, Other Medical, HMOs, and Part B Fixed Fee Payments.
- [4] Use Rate = Total Clients / Possible Clients.
- [5] Total Expenditures are the total actual or estimated dollars spent on direct client service for the above programs during FY90.
- [6] Per Capita Expenditures = Total Expenditures / Total Clients.

Exhibit 7B

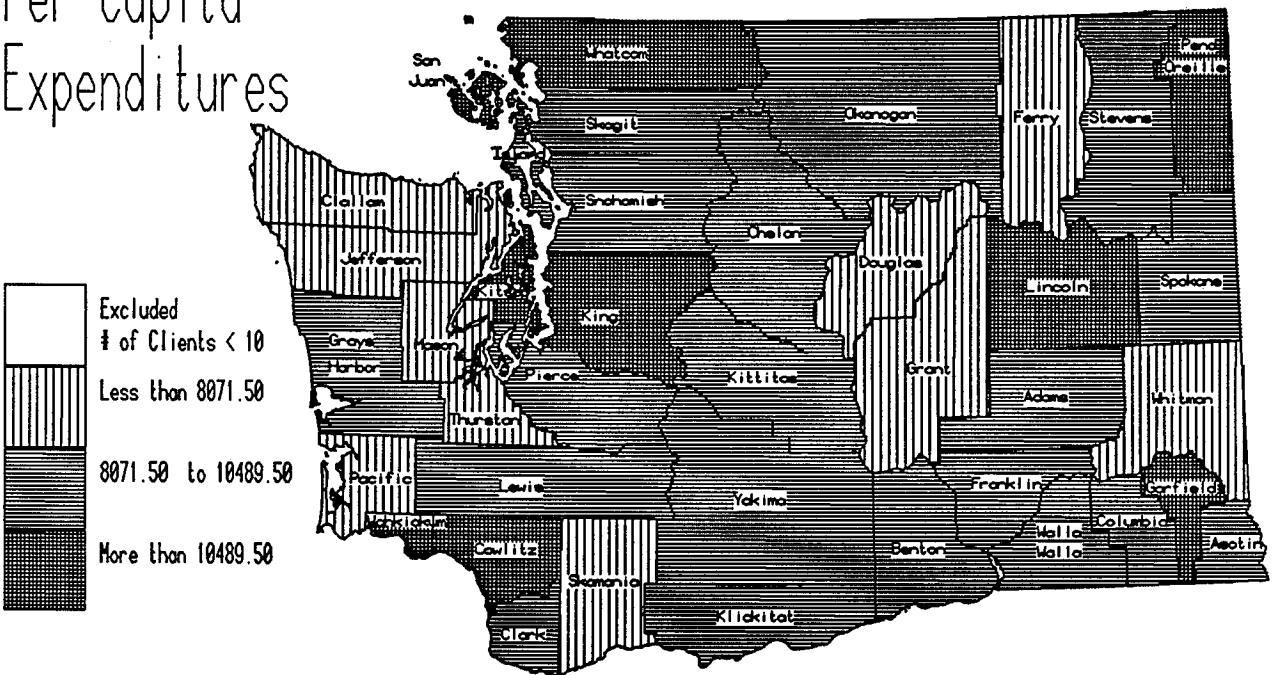
# Aging and Adult Services

## Use Rate



Source: ORDA-NADP Client Database 7/89 - 6/90

## Per Capita Expenditures



Source: ORDA-NADP Client Database 7/89 - 6/90

Exhibit 8A

Data Under Review by Division

### Aging and Adult Services

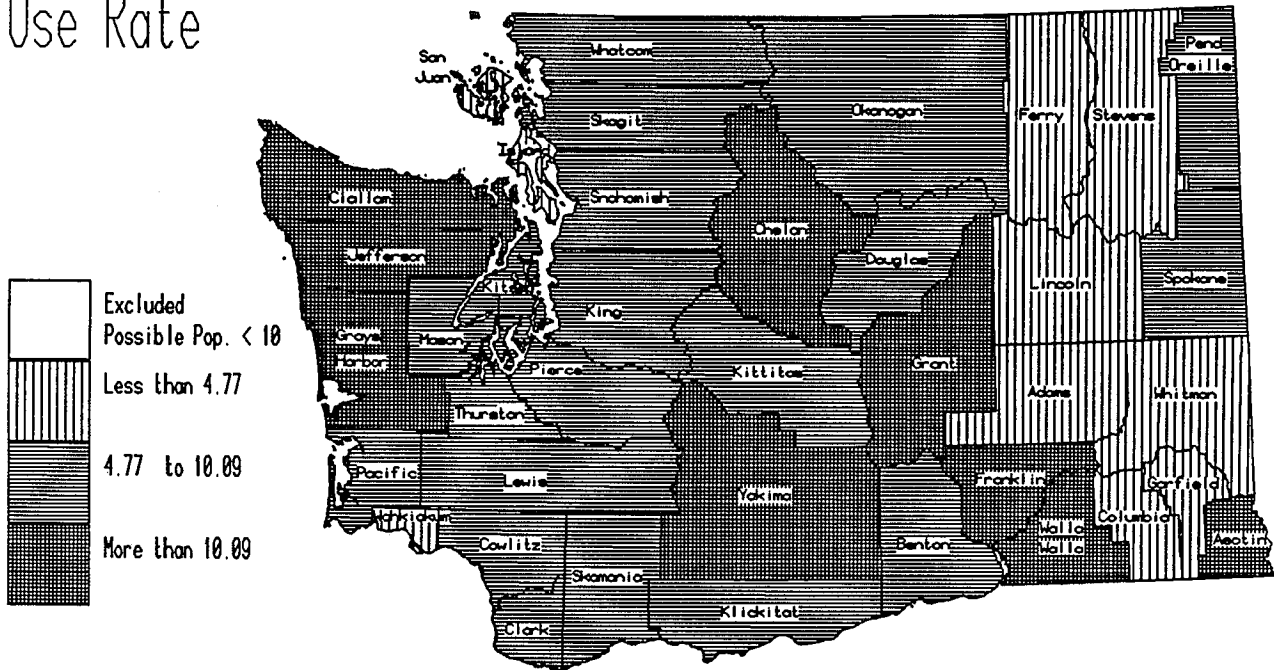
	TOTAL PEOPLE [1]	POSSIBLE CLIENTS [2]	TOTAL CLIENTS [3]	USE RATE [4]	TOTAL EXPENDITURES [5]	PER CAPITA EXPENDITURES [6]
County						
ADAMS	13603	630	28	4.44	64172	2292
ASOTIN	17605	1218	130	10.67	397952	3061
BENTON	112560	5077	328	6.46	872496	2660
CHELAN	52250	3468	439	12.66	955604	2177
CLALLAM	56464	4273	488	11.42	1050868	2153
CLARK	238053	11562	953	8.24	2500359	2624
COLUMBIA	4024	332	72	21.69	180606	2508
COWLITZ	82119	4731	352	7.44	1057879	3005
DOUGLAS	26205	1361	126	9.26	248281	1970
FERRY	6295	281	66	23.49	208639	3161
FRANKLIN	37473	1660	158	9.52	488136	3089
GARFIELD	2248	192	18	9.38	52833	2935
GRANT	54758	2958	617	20.86	1748759	2834
GRAYS HARBOR	64175	4285	612	14.28	1287808	2104
ISLAND	60195	3316	139	4.19	309656	2228
JEFFERSON	20146	1478	154	10.42	213300	1385
KING	1507319	76206	5857	7.69	15180703	2592
KITSAP	189731	9244	595	6.44	1749227	2940
KITTITAS	26725	1576	100	6.35	213095	2131
KLICKITAT	16616	933	99	10.61	229714	2320
LEWIS	59358	3875	460	11.87	1218292	2648
LINCOLN	8864	650	28	4.31	70824	2529
MASON	38341	2448	286	11.68	625919	2189
OKANOGAN	33350	2013	285	14.16	562411	1973
PACIFIC	18882	1542	182	11.80	277139	1523
PEND OREILLE	8915	511	63	12.33	164609	2613
PIERCE	586203	28705	3835	13.36	10604884	2765
SAN JUAN	10035	763	10	1.31	30310	3031
SKAGIT	79555	5020	547	10.90	1400996	2561
SKAMANIA	8289	363	46	12.67	79217	1722
SNOHOMISH	465642	21310	2154	10.11	4398448	2042
SPOKANE	361364	20938	2863	13.67	6187296	2161
STEVENS	30948	1641	246	14.99	571617	2324
THURSTON	161238	8009	883	11.03	1998136	2263
WAKIAKUM	3327	270	21	7.78	66674	3175
WALLA WALLA	48439	3237	371	11.46	915528	2468
WHATCOM	127780	7267	621	8.55	1271739	2048
WHITMAN	38775	1874	189	10.09	532335	2817
YAKIMA	188823	10734	1399	13.03	3657882	2615
STATE	4866692	255951	25820	10.09	63644342	2465

- [1] Total persons from the U.S. Census 1990 Summary Tape 1.
- [2] Persons over 18 in poverty adjusted for the prevalence of conditions and illnesses requiring ADL or IADL using LaPlante 1989. Including all persons over 60 year of age and below poverty.
- [3] Clients are unduplicated persons who used the following programs during Fiscal Year 1990: Case Management-state, Assessment-Comprehensive Adult Services, Chore Services-State paid-in own home, Adult Protective Services, Residential Assistance-both kinds, Personal Care Services, COPEs Programs and Services, Congregate Care Facilities, and Adult Family Homes.
- [4] Use Rate = Total Clients / Possible Clients.
- [5] Total Expenditures are the total actual or estimated dollars spent on direct client service for the above programs during FY90.
- [6] Per Capita Expenditures = Total Expenditures / Total Clients.

### Exhibit 8B

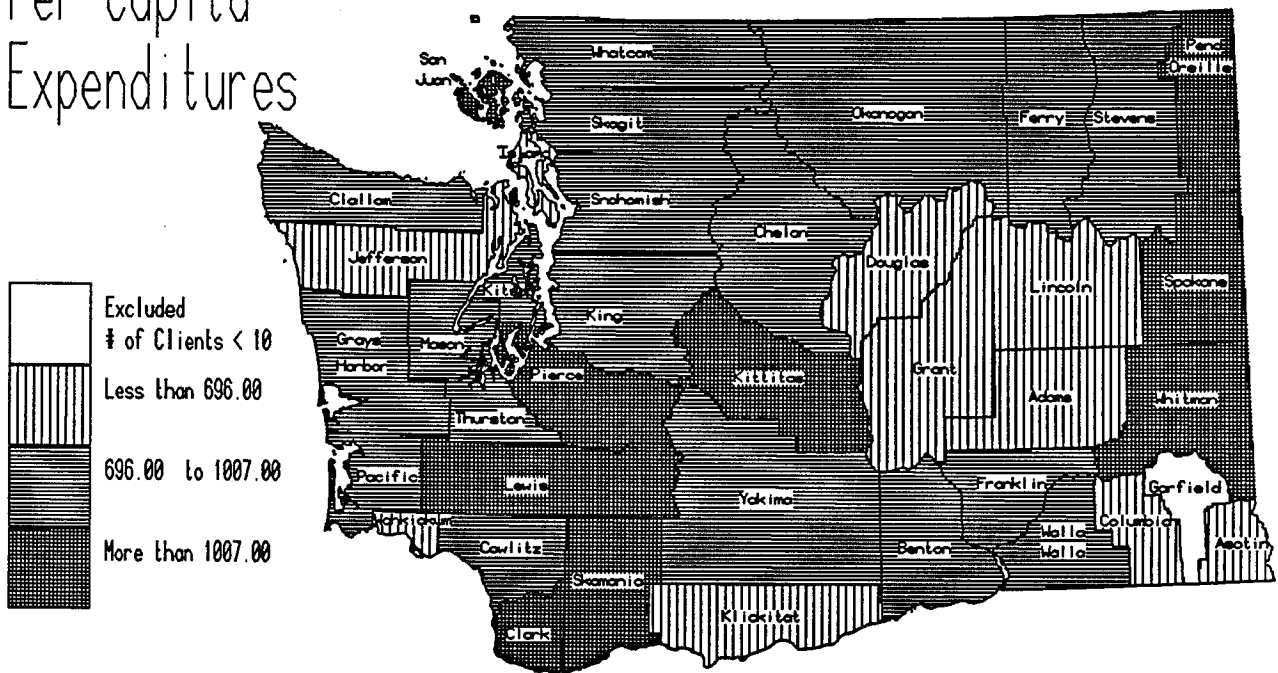
# Division of Children and Family Services

## Use Rate



Source: ORDA-NADP Client Database 7/89 - 6/90

## Per Capita Expenditures



Source: ORDA-NADP Client Database 7/89 - 6/90

Exhibit 9A

Data Under Review by Division



## Division of Children and Family Services

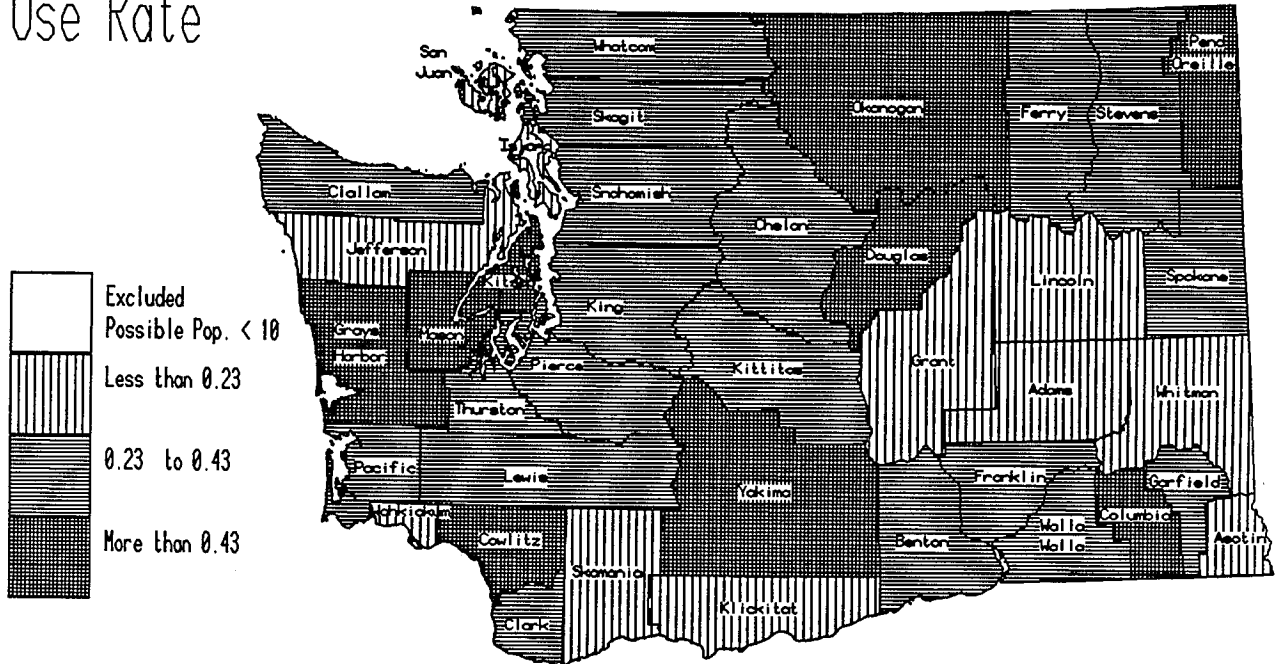
	TOTAL PEOPLE [1]	POSSIBLE CLIENTS [2]	TOTAL CLIENTS [3]	USE RATE [4]	TOTAL EXPENDITURES [5]	PER CAPITA EXPENDITURES [6]
County						
ADAMS	13603	4710	12	0.25	5876	490
ASOTIN	17605	5006	564	11.27	346975	615
BENTON	112560	34686	2755	7.94	2304610	837
CHELAN	52250	14329	1903	13.28	1609659	846
CLALLAM	56464	14071	2054	14.60	1567450	763
CLARK	238053	69459	6001	8.64	6133991	1022
COLUMBIA	4024	1026	42	4.09	27613	657
COWLITZ	82119	23006	2321	10.09	1663699	717
DOUGLAS	26205	7745	466	6.02	320909	689
FERRY	6295	2025	60	2.96	56882	948
FRANKLIN	37473	13159	2313	17.58	1619065	700
GARFIELD	2248	609	3	0.49	514	171
GRANT	54758	17614	2332	13.24	1478398	634
GRAYS HARBOR	64175	17781	2018	11.35	1732685	859
ISLAND	60195	15910	724	4.55	480999	664
JEFFERSON	20146	4681	504	10.77	343415	681
KING	1507319	348769	29809	8.55	28709367	963
KITSAP	189731	54369	4348	8.00	3274091	753
KITTITAS	26725	5803	413	7.12	547226	1325
KLICKITAT	16616	5013	505	10.07	351503	696
LEWIS	59358	17288	1061	6.14	1372627	1294
LINCOLN	8864	2412	52	2.16	22530	433
MASON	38341	9886	924	9.35	762727	825
OKANOGAN	33350	9801	976	9.96	887915	910
PACIFIC	18882	4675	376	8.04	289338	770
PEND OREILLE	8915	2680	238	8.88	245118	1030
PIERCE	586203	163266	12570	7.70	12794193	1018
SAN JUAN	10035	2122	79	3.72	83977	1063
SKAGIT	79555	21428	1615	7.54	1626346	1007
SKAMANIA	8289	2521	149	5.91	236465	1587
SNOHOMISH	465642	133023	10048	7.55	7422164	739
SPOKANE	361364	97894	8043	8.22	8435957	1049
STEVENS	30948	10020	382	3.81	337107	882
THURSTON	161238	44536	3076	6.91	2634739	857
WAHKIAKUM	3327	845	18	2.13	11794	655
WALLA WALLA	48439	12316	1629	13.23	1238881	761
WHATCOM	127780	32831	2639	8.04	2326021	881
WHITMAN	38775	7083	338	4.77	466244	1379
YAKIMA	188823	58238	6259	10.75	5025627	803
STATE	4866692	1292636	109621	8.50	100294884	915

- [1] Total persons from the U.S. Census 1990 Summary Tape 1.
- [2] All persons 18 years of age or younger.
- [3] Clients are unduplicated persons who used the following programs during Fiscal Year 1990: Child Protective Services, Adoption, Adoption Support, Home Based Services-HBS, Family Reconciliation Services, Interim Care - Crisis Residential Centers, Foster Care(Receiving Homes and Regular), Group Care and Treatment Foster Care, Special Models of Group Care, Work and Training Child Care, and Treatment Child Care.
- [4] Use Rate = Total Clients / Possible Clients.
- [5] Total Expenditures are the total actual or estimated dollars spent on direct client service for the above programs during FY90.
- [6] Per Capita Expenditures = Total Expenditures / Total Clients.

### Exhibit 9B

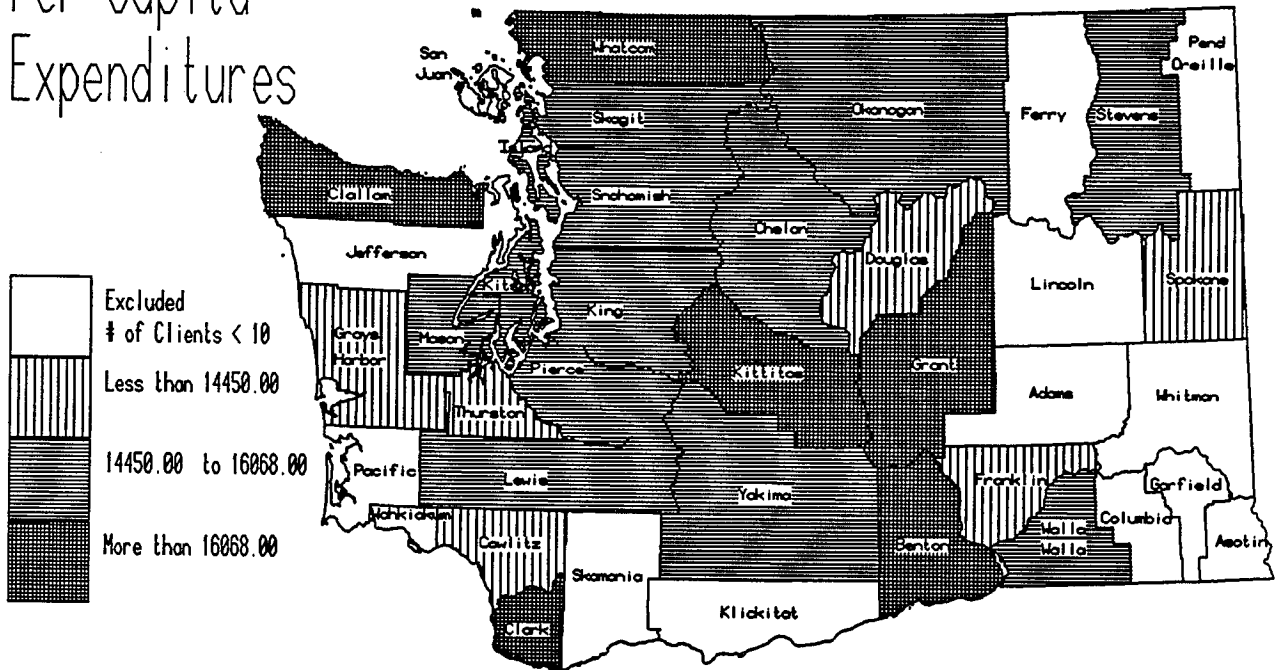
# Division of Juvenile Rehabilitation

## Use Rate



Source: ORDA-NADP Client Database 7/89 - 6/90

## Per Capita Expenditures



Source: ORDA-NADP Client Database 7/89 - 6/90

Exhibit 10A

Data Under Review by Division

## Division of Juvenile Rehabilitation

	TOTAL PEOPLE [1]	POSSIBLE CLIENTS [2]	TOTAL CLIENTS [3]	USE RATE [4]	TOTAL EXPENDITURES [5]	PER CAPITA EXPENDITURES [6]
County						
ADAMS	13603	2230	4	0.18	20104	5026
ASOTIN	17605	2347	5	0.21	100797	20159
BENTON	112560	15865	55	0.35	888005	16146
CHELAN	52250	6419	25	0.39	386033	15441
CLALLAM	56464	6597	23	0.35	556752	24207
CLARK	238053	32934	104	0.32	1801748	17325
COLUMBIA	4024	558	3	0.54	13502	4501
COWLITZ	82119	11025	65	0.59	939239	14450
DOUGLAS	26205	3618	17	0.47	147662	8686
FERRY	6295	1063	3	0.28	25998	8666
FRANKLIN	37473	6089	20	0.33	259315	12966
GARFIELD	2248	300	1	0.33	6163	6163
GRANT	54758	8224	18	0.22	342708	19039
GRAYS HARBOR	64175	8316	37	0.44	333991	9027
ISLAND	60195	6473	12	0.19	177079	14757
JEFFERSON	20146	2198	5	0.23	96597	19319
KING	1507319	154883	585	0.38	8494480	14520
KITSAP	189731	24351	134	0.55	2065180	15412
KITTITAS	26725	3129	12	0.38	288845	24070
KLICKITAT	16616	2415	4	0.17	95873	23968
LEWIS	59358	8546	24	0.28	350832	14618
LINCOLN	8864	1180	2	0.17	17068	8534
MASON	38341	4737	22	0.46	349371	15881
OKANOGAN	33350	4588	29	0.63	459585	15848
PACIFIC	18882	2278	8	0.35	81027	10128
PEND OREILLE	8915	1362	8	0.59	75439	9430
PIERCE	586203	72013	265	0.37	3867075	14593
SAN JUAN	10035	939	1	0.11	25900	25900
SKAGIT	79555	9912	24	0.24	381484	15895
SKAMANIA	8289	1212	2	0.17	44125	22063
SNOHOMISH	465642	56022	206	0.37	3184758	15460
SPOKANE	361364	45806	142	0.31	1896326	13354
STEVENS	30948	5002	13	0.26	207933	15995
THURSTON	161238	21285	86	0.40	1207766	14044
WAHKIAKUM	3327	441	1	0.23	11352	11352
WALLA WALLA	48439	6065	26	0.43	417767	16068
WHATCOM	127780	15771	48	0.30	837159	17441
WHITMAN	38775	4140	5	0.12	70532	14106
YAKIMA	188823	27246	162	0.59	2469454	15244
STATE	4866692	587579	2227	0.38	33062050	14846

- [1] Total persons from the U.S. Census 1990 Summary Tape 1.
- [2] All persons from 10 through 18 years of age.
- [3] Clients are unduplicated persons who used the following programs during Fiscal Year 1990: Parole in Community, State Institutions, MH and Drug Treatment Programs, and Community Beds (CPR, CAP, Group Homes).
- [4] Use Rate = Total Clients / Possible Clients.
- [5] Total Expenditures are the total actual or estimated dollars spent on direct client service for the above programs during FY90.
- [6] Per Capita Expenditures = Total Expenditures / Total Clients.

### Exhibit 10B



# Technical Appendices



## APPENDIX A: PROGRAMS INCLUDED IN NADP ANALYSES

<p><b>Aging and Adult Services</b>  Case Management-state  Assessment-Comprehensive Adult Services  Chore Services - State paid - in own home  Adult Protective Services  Residential Assistance-both kinds  Personal Care Services  COPEs Programs and Services  Congregate Care Facilities  Adult Family Homes  Nursing Homes - temporarily excluded due to invalid data</p>	<p><b>Mental Health Division</b>  Case Management  Adult Day Treatment  Child Day Treatment  Treatment in CHMCs  Intake and Evaluation in CMHCs  Medication Management  Mental Health Clients in CCFs and AFHs  Community Residential Treatment Facilities  Community Residential Tx - Transitional  State Institutions  Child Study &amp; Treatment Center  Mental Health Involuntary Treatment Act</p>
<p><b>Division of Developmental Disabilities</b>  Assessment and Case Management  Personal Care for Child  Medically Intensive Clients  Residential Habilitation Centers  Community Residential Programs  Independent and Alternative Living  County Social Day Programs  Employment Programs  Family Support  Community Support for Clients</p>	<p><b>Division of Children and Family Services</b>  Child Protective Services  Adoption  Adoption Support  Home Based Services-HBS  Family Reconciliation Services  Interim Care - Crisis Residential Centers  Foster Care (Receiving Homes and Regular)  Group Care and Treatment Foster Care  Special Models of Group Care  Work and Training Child Care  Treatment Child Care</p>
<p><b>Division of Income Assistance</b>  Aged, Blind and Disabled  GA-U (Unemployable)  Regular AFDC and FIP Grants  Employable AFDC and FIP Grants  Pregnancy Grants  Food Assistance  Work-Related Child Care  Refugee Grants - also in DORA</p>	<p><b>Division of Vocational Rehabilitation</b>  Case Management  Medical or Psychological Treatment  Vocational Diagnosis and Adjustment  Personal Support Services  Education, Training and Supplies  Placement Support Services  Vehicle Purchase, Repair or Alterations  Other Services</p>
<p><b>Division of Medical Assistance</b>  Hospital Inpatient  Hospital Outpatient  Physician Services  Prescription Drugs  Dental Services  Hospice Care  Other Medical  HMOs  Part B Fixed Fee Payments</p>	<p><b>Division of Refugee Assistance</b>  English as a Second Language Training  Refugee Grant - also in DIA  Personal Employment Plan (PEP) Case Management  Employment Support (EIC)  Employment Services  Income Assistance - also in DIA</p>
<p><b>Division of Alcohol and Substance Abuse</b>  Assessments  Methadone Treatment  ADATSA Grant  Detoxification  Outpatient Treatment  Residential Treatment</p>	<p><b>Division of Juvenile Rehabilitation</b>  Parole in Community  State Institutions  MH and Drug Treatment Programs  Community Beds (CPR, CAP, Group Homes)</p>





## APPENDIX B: NADP CLIENT DATABASE

The NADP Client Database is based on a relational design. The following categories of information were obtained from 13 DSHS sources for individual DSHS clients who used program services during the 1990 State Fiscal Year:

Category	Examples
• Unduplication	Client Name, Social Security Number, PIC Codes, Input Source Unique Identifiers
• Demographic	Per Division - Date of Birth, Gender, Race, Disabilities
• Geography and Program Usage	Services Received, Amount of Service Received, Client Residential Location, Service Location, Field Office Location, Provider Location

Race which is self-reported was coded as one of the following: Hispanic, Asian, American Indian, Black, White or Other.

### Input Sources

Table A1 defines the sources integrated to quantify a division's clients and services. Some divisions required data from multiple sources and some sources contained data for multiple divisions. The same service could be duplicated between sources. Clients, of course, were duplicated across and within sources.

### Service Unduplication

When multiple sources recorded the same service, as when a service was authorized in one source and paid in another, the duplicated service was input into the NADP database from only one source.

### Client Unduplication

In order to accurately count clients and measure their service usage, clients in more than one program were unduplicated using the following criteria:

If the Social Security Number and Date of Birth match  
then consolidate the clients;

Otherwise:

If the Social Security Number, Last Name and First Initial match  
then consolidate the clients;

Otherwise:

If the Social Security Number is missing for at least one of the clients and the First Name, Last Name and Date of Birth match  
then consolidate the clients.

## **Obtaining Missing Data**

Both the SSPS client data and the MMIS client data had missing demographic, geographic and unduplication information. To obtain the missing variables, clients were matched with one of the following sources:

Warrant Roll (WR) tapes - created from the Income Assistance Tracking System (ITIS)  
Office of Financial Management (OFM) Eligibility File

Client data obtained from SSPS were missing ZIP codes, because SSPS does not record residential addresses. Additionally, race and gender data were sometimes missing from the SSPS records. To solve these problems, clients from SSPS were matched with clients from the Warrant Roll (WR).

Initially, SSPS and WR clients were matched by social security number and date of birth. If a match occurred, the residential ZIP code for the client was copied from the WR to the SSPS record. In addition, if the race or gender was missing on the SSPS record, then the race and gender from the WR were copied to the SSPS data. For the remaining unmatched SSPS records, a match was attempted on the social security number alone and again by name and date of birth. The latter two matches copied only the ZIP code to the SSPS data.

Some clients still did not have residential ZIP codes. Although SSPS does not contain residential location information, it does store the service location (i.e. the SSPS Reporting Unit). The reporting unit, which can encompass multiple counties, was used to impute a residential location when it was missing. By mapping the known ZIP codes to their corresponding counties, the known distribution of client residential counties within a SSPS Reporting Unit could be used to proportionately allocated clients without residential ZIP codes to counties within that reporting unit.

Clients obtained from the MMIS were missing all demographic and unduplication information. To add the date of birth, social security number, race, gender and residential ZIP code, MMIS clients were matched with the OFM Eligibility File by the Personal Identification Code (PIC).

The modified MMIS data were matched with WR information by social security number and date of birth to obtain the client's name. If the race, gender or residential ZIP code was not found in the OFM file, then the information was copied from the WR to the MMIS data. If the race obtained from the OFM file indicated refugee status the race from the WR was also obtained.

**TABLE A1**

<b>Source By Division</b>  <b>Legend:</b> X - Service and Demographic Data O - Substituted Missing Data	A G I N G	D A S A	D C F S	D D D	D I A	D J R	D M A	D O R A	D V R	M H D
<b>MHDCDB</b> MHD Consolidated Database										X
<b>MHIIS</b> MH Institution Information System										X
<b>DORA PEP</b> DORA Personal Employment Plan Data File								X		
<b>DJR-CTS</b> DJR Client Tracking System						X				
<b>DVR-ICS</b> DVR Integrated Client System									X	
<b>DDD CCDB</b> DDD Common Client Database				X						
<b>WR</b> Warrant Roll	O	X	O	O	X		O	X		O
<b>CMHIS</b> Community Mental Health Information System										X
<b>MMIS</b> Medical Management Information System	X	X		X			X			X
<b>SSPS-PH</b> Social Services Payment System - Pay History	X	X	X	X	X					X
<b>SSPS-AU</b> Social Services Payment System - Authorizations	X		X							
<b>SAMS</b> Substance Abuse Management System		X								
<b>OFM (Office of Financial Management)</b> Eligibility File	O	O		O			O			O

## Measuring Cost of Service

Cost of service was measured as follows:

- When available, NADP stored the actual service dollars spent on the client.
- For some programs, NADP stored amount of service received by the client (in days, hours or other appropriate unit). The amount of service was converted to dollars by multiplying the average service cost per program unit.
- There are some programs, such as case management and staff services, where neither amount of service nor service expenditures were available but could be estimated. For those programs, each client was assigned the average Fiscal Year 1990 statewide cost-per-person for that program.
- For some programs, data were not available to accurately quantify or estimate the amount of service a client received, such as DDD case management. In such cases, the client was counted once per location and assigned zero dollars as the cost of service.

## APPENDIX C: ESTIMATING POSSIBLE CLIENTS - Working Notes

The project team used the following databases to assemble the set of possible clients:

- 1980 Census of Population for information on poverty and disability in families of various races, genders and ages
- 1990 Census of Population for current subgroup populations
- Office of Financial Management poverty estimates by county between 1980 and 1988
- Vital Statistics and First Steps for birth and pregnancy records
- CHARS database for records of uninsured hospital stays by county
- DORA 1989. "Refugee Population Report 1975 through 1989."

Many local and national studies were reviewed to find reasonable "prevalence" rates which would help to narrow the populations for some divisions. The following studies were used:

Holzer et al 1989. "Estimates of Need for Mental Health Services in Counties"

Trupin et al 1988. "Forgotten Children: The Mental Health Needs of Washington Children"

LaPlante M P 1988. "Data on Disability from the National Health Interview Survey, 1983-85"

NIDA 1990. "National Household Survey on Drug Abuse: Main Findings 1989"

Regier et al 1990. "Comorbidity of Mental Disorders with Alcohol and Other Drug Abuse: Results from the Epidemiologic Catchment Area (ECA) Study."

DCD 1990. "Emergency Shelter Assistance Program: Characteristics of People Receiving Services from July 1 1989 through June 30, 1990"

**Division of Alcohol and Substance Abuse:** One year prevalence rates of substance abuse, excluding mentally ill chemical offenders, were obtained from Holzer et al 1989. These rates included both institutionalized and community populations. Except for American Indians and Asians, all population subgroups began with the Holzer rates. American Indians were assigned a one-year prevalence from a local five year longitudinal ongoing study by Dr. Dale Walker with the V.A. Hospital. Asians, in the absence of other information, were given the white rate.

These prevalence rates were adjusted to include the mentally ill chemical abusers by using comorbidity factors calculated from data in Regier et al. All prevalence rates were based on the general population. Hence, to account for the expected increased rates in substance abuse in the poverty population, the rates were adjusted using a factor derived from the 1989 National Institute on Drug Abuse Household Survey. This factor was based upon the ratio between employed/unemployed heavy alcohol users.

Finally, using the poverty, gender and age criteria for state payment of substance abuse treatment, the number of persons in each subgroup in the 1990 population who were estimated to be at or below the Federal Poverty Level plus women of child-bearing age and children 9 through 17 between 100 and 200% of the poverty level were multiplied by the adjusted rates.

**Division of Developmental Disabilities:** The point-in-time prevalence rates of persons in the United States who have mental retardation, epilepsy, cerebral palsy and spina bifida to a degree which impairs their ability to perform major life activities was estimated using LaPlante 1988. There are no race prevalence information available; therefore, each racial/ethnic group was assigned the same (overall) rate.

The DSHS Briefing Book for 1991 (page 137) shows a chart indicating the primary cause of becoming a DDD client. 77% of those causes were represented by the four conditions described above. These rates were adjusted for two sets of conditions derived (for lack of national data) from DDD client data -- developmental delay (15%, added disproportionately to the youngest age group) and "other causes" (8%, distributed across all ages).

The adjusted prevalence rates were applied to the civilian population either living in households or homeless. To those community rates, NADP staff added the persons living in DDD institutions (RHCs, IMR's and Group Homes) to the population. DDD clients living in non-DDD group care facilities (nursing homes, CCF's, AFH's) were estimated using a proxy based upon the ratio of RHC residents to non-DDD residents. Once estimated, those persons were also added to the "possible client" population.

**Mental Health Division:** One year prevalence rates of mentally ill adults with "major" Diagnostic Interview Survey (DIS) disorders were obtained from Holzer et al 1989. These rates included both institutionalized and community populations. Adult population subgroup estimation began with the Holzer article, which had no subgroup rates for Asians and American Indians. In the absence of other recent national studies, Asians were assigned the white rate (4.4) and American Indians assigned the black rate (4.6).

Mentally ill children and adolescents are not included in the ECA data on which the Holzer study is based. Therefore, for persons under 18, a "community" prevalence of "Severe Emotional Disturbance" (SED) in public school children was obtained from Trupin et al 1988.

Institutionalized adults are included in the DIS-based rates. However, the SED prevalence of children and adolescents who are in group care settings and not attending public school was needed. 100% of the children in the Child Study and Treatment Center had SED and were added to the community sample. Based on the Trupin study, NADP and DCFS staff estimated that 50% of the persons under 18 who lived in "group quarters" in the Census data were severely emotionally disturbed (SED) and were not attending public school. Therefore, 50% of those clients were added to the possible client population.

**Division of Vocational Rehabilitation:** The appropriate population at risk for DVR is persons between 18 and 64 who have some permanent condition or illness which limits their ability to work, and who could be employable if rehabilitated. Subgroup-specific prevalence rates applied to the household population came from LaPlante 1989. The characteristics of the homeless and shelter population came from the DCD study. Those characteristics were applied to the homeless population between 18 and 64 taken from the 1990 Census. It was assumed, in the absence of better information, that 100% of the homeless population could benefit from Vocational Rehabilitation.

DSHS clients in various group care settings could often benefit from DVR services. Therefore, 100% of the persons in mental health, aging and DDD group homes and community treatment residences were added to the "possible client" population.

**Division of Income Assistance:** Each grant population was estimated separately, because each has a different combination of restrictions on the possible client populations. For the Division as a whole, the possible clients population was defined as the population which was at or below 100% of poverty for some period of time during FY90, multiplied by a factor to account for the fact that about 10% of the persons on AFDC are children who live with non-poor relatives.

The 1990 Census data released to date do not contain income or poverty data. Therefore, it was necessary to obtaining appropriate subgroup rates from the 1980 census files, either at the county level from the Summary Tape Files or by state or county-group, from the Public Use Micro Sample. Then those subgroup rates were adjusted using the 1988 poverty estimates by county produced by Wolfgang Opitz at the Office of Financial Management. Then the subgroup rates were multiplied by the 1990 county populations in each subgroup.

Finally, many of the poverty rates were multiplied by an index calculated from Food Stamp data which adjusted for movement in and out of poverty over the year. That index is:

$$\frac{\text{Number clients getting food assistance FY90}}{\text{Average monthly number clients getting food assistance FY90}}$$

**Division of Refugee Assistance:** Possible clients for refugee assistance are persons who have entered this county as refugees (not immigrants) since 1975. A file (DORA 1989) was obtained from Refugee Assistance which contains counts, client characteristics and corrected county locations for all refugees between 1975 and 1989. The client ages in that file were demographically adjusted, and Hispanic refugees arriving from counties were added by hand.

**Division of Medical Assistance:** Possible clients included the total number of persons at or below 100% of the poverty level at some time during the year, as well as a number of special populations, including pregnant women and children at 200% of poverty, persons estimated to be eligible for ADATSA and refugee populations. These are the possible clients who are "categorically needy" and "state only medical."

Uninsured persons who encounter medical emergencies and "spend down" their incomes and assets are the "medically needy." The CHARS database for FY90 records the way hospitals bill their cases. By county, NADP measured self-pay and charity cases as a percentage of total hospital cases, thus arriving at a county-specific rate of persons who are uninsured, not on public assistance, and had hospital stays during FY90. Those rates were applied to the total county population in each subgroup.

**Aging and Adult Services:** To estimate the possible clients for Aging and Adult Services, subgroup rates of persons over 18 who need assistance with instrumental activities of daily living (IADL) or activities of daily living (ADL) were developed from LaPlante 1989. Those rates were combined with poverty estimates for persons over 60 and persons between 18 and 60 who are disabled. For some aging programs (e.g. case management) it is only necessary to be over 60 and live alone.

**Division of Children and Family Services:** The possible clients for this division are all children in the state, since any child is vulnerable to abuse, neglect and troubled family situations. What is clearly needed here is some estimate of the rate of underlying family problems which DCFS programs are intended to treat. However, no national studies have been found which specify such rates and then tie them to existing subgroups.

**Division of Juvenile Rehabilitation:** The possible clients for DJR include all youth in this state. This is problematic, since a person is not eligible for DJR services until he or she has been convicted of criminal behavior. A better measure of "possible client" would be all youth charged with any criminal behavior, or all youth arrested. Those data could not be obtained this year; they await further investigation.





## APPENDIX D: DETAILED DATA TABLE

### HEALTH AND REHABILITATION

	Total Clients	Total Population	Total Possible Clients	Use Rate	Total Dollars	Per Capita Dollars
<b>DASA</b>						
Total	38,725	4,866,692	125,093	31.0	38,460,702	993
Race/Ethnicity						
Asian	324	203,668	5,512	5.9	249,853	771
Black	3,783	146,000	5,631	67.2	4,053,799	1,072
Hispanic	1,892	214,570	12,577	15.0	1,632,339	863
Indian	2,686	76,397	5,003	53.7	2,615,470	974
White	29,712	4,221,622	96,370	30.8	29,713,054	1,000
Gender						
Female	12,899	2,452,945	56,222	22.9	13,119,210	1,017
Male	25,813	2,413,747	68,871	37.5	25,337,587	982
Age						
Under 18	3,774	1,261,387	15,616	24.2	2,083,624	552
18-64	34,483	3,030,017	105,521	32.7	36,056,595	1,046
65 +	448	575,288	3,955	11.3	312,999	699
<b>DDD</b>						
Total	18,235	4,866,692	53,863	33.9	70,561,266	3,870
Race/Ethnicity						
Asian	331	203,668	2,000	16.6	685,975	2,072
Black	646	146,000	1,630	39.6	1,652,486	2,558
Hispanic	494	214,570	2,303	21.5	745,180	1,508
Indian	332	76,397	864	38.4	933,622	2,812
White	15,514	4,221,622	47,060	33.0	63,838,014	4,115
Gender						
Female	7,857	2,452,945	21,122	37.2	30,715,259	3,909
Male	10,367	2,413,747	32,741	31.7	39,620,691	3,822
Age						
Under 18	6,666	1,261,387	32,361	20.6	4,771,657	716
18-64	10,946	3,030,017	20,255	54.0	64,089,831	5,855
65 +	556	575,288	1,247	44.6	1,457,155	2,621

Detailed Data Table continued

**HEALTH AND REHABILITATION continued**

	Total Clients	Total Population	Total Possible Clients	Use Rate	Total Dollars	Per Capita Dollars
<b>MHD</b>						
Total	58,827	4,866,692	242,841	24.2	262,180,169	4,457
Race/Ethnicity						
Asian	1,295	203,668	7,410	17.5	5,502,357	4,249
Black	2,614	146,000	8,331	31.4	17,184,259	6,574
Hispanic	1,847	214,570	10,025	18.4	6,219,503	3,367
Indian	2,234	76,397	7,515	29.7	9,003,678	4,030
White	47,945	4,221,622	216,806	22.1	220,436,247	4,598
Gender						
Female	32,126	2,452,945	115,559	27.8	108,867,975	3,389
Male	26,344	2,413,747	127,287	20.7	153,053,627	5,810
Age						
Under 18	12,227	1,261,387	88,500	13.8	32,928,393	2,693
18-64	38,139	3,030,017	144,989	26.3	199,234,175	5,224
65 +	7,629	575,288	9,356	81.5	27,736,867	3,636
<b>DVR</b>						
Total	23,093	4,866,692	161,602	14.3	31,093,163	1,346
Race/Ethnicity						
Asian	249	203,668	3,424	7.3	357,745	1,437
Black	1,222	146,000	7,356	16.6	1,534,570	1,256
Hispanic	756	214,570	5,944	12.7	949,288	1,256
Indian	729	76,397	4,132	17.6	869,746	1,193
White	19,413	4,221,622	143,764	13.5	26,427,755	1,361
Gender						
Female	9,463	2,452,945	80,977	11.7	12,956,737	1,369
Male	13,630	2,413,747	84,059	16.2	18,136,425	1,331
Age						
16-64	23,093	4,866,692	161,602	14.3	31,093,163	1,346

Detailed Data Table continued

**ECONOMIC SERVICES**

	Total Clients	Total Population	Total Possible Clients	Use Rate	Total Dollars	Per Capita Dollars
<b>DIA</b>						
Total	603,246	4,866,692	890,641	67.7	669,410,523	1,110
Race/Ethnicity						
Asian	29,912	203,668	55,879	53.5	40,655,950	1,359
Black	47,493	146,000	54,967	86.4	66,916,478	1,409
Hispanic	46,530	214,570	99,411	46.8	43,369,605	932
Indian	22,122	76,397	37,009	59.8	30,589,666	1,383
White	447,849	4,221,622	723,540	61.9	484,288,653	1,081
Gender						
Female	343,871	2,452,945	488,516	70.4	403,792,062	1,174
Male	259,375	2,413,747	482,287	53.8	265,618,461	1,024
Age						
Under 18	261,771	1,261,387	316,459	82.7	382,550,762	1,461
18-64	284,263	3,030,017	547,111	52.0	280,516,808	987
65 +	50,280	575,288	104,004	48.3	3,736,345	74
<b>DORA</b>						
Total	24,483	4,866,692	56,590	43.3	33,911,015	1,385
Race/Ethnicity						
Asian	20,040	203,668	51,532	38.9	29,753,157	1,485
Black	591	146,000	1,035	57.1	635,368	1,075
Hispanic	75	214,570	75	100.0	76,920	1,026
Indian	6	76,397	0	.	9,333	1,556
White	3,613	4,221,622	4,023	89.8	3,281,493	908
Gender						
Female	12,535	2,452,945	24,903	50.3	17,859,593	1,425
Male	11,942	2,413,747	31,687	37.7	16,049,975	1,344
Age						
Under 18	9,963	1,261,387	28,020	35.6	17,741,480	1,781
18-64	13,116	3,030,017	27,318	48.0	15,794,017	1,204
65 +	1,251	575,288	1,251	100.0	310,554	248

Detailed Data Table continued

**MEDICAL SERVICES**

	Total Clients	Total Population	Total Possible Clients	Use Rate	Total Dollars	Per Capita Dollars
<b>DMA</b>						
Total	470,787	4,866,692	706,934	66.6	622,828,423	1,323
Race/Ethnicity						
Asian	23,816	203,668	29,306	81.3	27,715,709	1,164
Black	32,865	146,000	46,664	70.4	43,360,127	1,319
Hispanic	32,473	214,570	60,323	53.8	36,876,684	1,136
Indian	18,237	76,397	31,687	57.6	25,818,516	1,416
White	340,582	4,221,622	534,838	63.7	466,763,238	1,370
Gender						
Female	283,567	2,452,945	403,502	70.3	405,132,818	1,429
Male	177,005	2,413,747	303,472	58.3	213,394,815	1,206
Age						
Under 18	197,391	1,261,387	349,662	56.5	137,128,143	695
18-64	209,791	3,030,017	255,133	82.2	411,173,913	1,960
65 +	46,701	575,288	117,241	39.8	64,865,791	1,389

**AGING AND ADULT SERVICES**

	Total Clients	Total Population	Total Possible Clients	Use Rate	Total Dollars	Per Capita Dollars
<b>Aging</b>						
Total	25,820	4,866,692	255,951	10.1	63,644,342	2,465
Race/Ethnicity						
Asian	593	203,668	3,267	18.2	2,577,248	4,346
Black	965	146,000	7,895	12.2	3,040,313	3,151
Hispanic	519	214,570	6,567	7.9	1,715,558	3,306
Indian	516	76,397	4,863	10.6	1,372,660	2,660
White	20,761	4,221,622	232,494	8.9	50,375,022	2,426
Gender						
Female	17,376	2,452,945	162,477	10.7	43,525,756	2,505
Male	8,405	2,413,747	93,474	9.0	20,075,118	2,388
Age						
18-64	9,710	3,030,017	80,571	12.1	26,556,811	2,735
65 +	15,210	575,288	175,349	8.7	36,407,672	2,394

Detailed Data Table continued

**CHILDREN, YOUTH AND FAMILY**

	Total Clients	Total Population	Total Possible Clients	Use Rate	Total Dollars	Per Capita Dollars
<b>DCFS</b>						
Total	109,621	4,866,692	1292636	8.5	100,294,884	915
Race/Ethnicity						
Asian	1,223	203,668	61,814	2.0	1,544,548	1,263
Black	7,479	146,000	78,527	9.5	10,481,355	1,401
Hispanic	10,609	214,570	86,173	12.3	7,846,087	740
Indian	4,488	76,397	26,864	16.7	5,580,840	1,244
White	59,193	4,221,622	1035432	5.7	64,093,646	1,083
Gender						
Female	55,989	2,452,945	614,159	9.1	46,901,040	838
Male	51,211	2,413,747	678,477	7.5	52,701,591	1,029
Age						
Under 19	91,450	1,331,464	1,292,636	8.5	94,857,369	915
<b>DJR</b>						
Total	2,227	4,866,692	587,579	0.4	33,062,050	14,846
Race/Ethnicity						
Asian	31	203,668	30,403	0.1	484,149	15,618
Black	436	146,000	21,281	2.0	6,760,340	15,505
Hispanic	159	214,570	37,037	0.4	2,135,594	13,431
Indian	112	76,397	12,618	0.9	1,787,337	15,958
White	1,445	4,221,622	483,550	0.3	21,318,932	14,754
Gender						
Female	148	2,452,945	285,481	0.1	2,118,346	14,313
Male	2,079	2,413,747	302,098	0.7	30,943,704	14,884
Age						
Under 19	2,227	1,331,464	587,579	0.4	33,062,050	14,846

