

A large, bold, black-outlined logo consisting of the letters 'P', 'D', and 'R' in a stylized, blocky font. The letters are interconnected, with the 'P' and 'D' sharing a vertical stroke and the 'R' sharing a horizontal stroke with the 'D'. The logo is centered on the page.

PROGRAM DATA REVIEW

A COMPILATION OF  
APPROACHES TO  
DD SERVICE NEEDS ASSESSMENT

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the opinions expressed herein do not necessarily  
reflect the official position of the Developmental Disabilities  
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## PREFACE

This paper is one of a series prepared under HEW, Office of Human Development, Grant of National Significance 54-P-71210/Z-01. on pertinent issues on planning, administration, monitoring and evaluation in the developmental disabilities formula grant program (DDFGP) of Public law 94-103.

Issues to be addressed in the series are:

- Prevalence of the Developmental Disabilities
- Rates of Prevalence of the Developmental Disabilities
- Characteristics of the Developmentally Disabled
- Developmentally Disabled Population Service Needs
- Approaches to Developmental Disabilities Service Needs Assessment
- Developmental Disabilities Service Utilization
- Characteristics of Developmental Disabilities State Planning Councils
- Caps and Barriers in the Developmental Disabilities Service Network
- Goals and Objectives of the Developmental Disabilities Program
- Designs for Implementation

The analysis presented in each of the issue papers is based on information in Fiscal Year 1978 developmental disabilities state plans. As a result, what is presented in each paper is defined, to varying degrees, by the data recorded in the state plans. The nature and effect of limitations on specific analyses due to source data problems are described in each paper.

The preparation of developmental disabilities state plans for Fiscal Year 1978 was a monumental effort nation-wide as well as at all jurisdictional levels. The state plans themselves attest to the diligence and care of the investment: over 75% of the 54 state plans contain 50 or more of the information requested in the State Plan Guidelines and over 30% of the plans provide 70% or more of the information.

In the Developmental Disabilities Program the "who" is equal in importance to the achievements themselves. Many national, regional and state constituents of the program have contributed to the overall excellence of the developmental disabilities state plans by their direct support, assistance and spirited debate of planning issues. Frankly, it would be difficult to acclaim each of the over 150 persons at national, regional, and state levels who were instrumental in development of the state plans.

It should be recognized that state level planners and council members who participated in developmental disabilities state plan development have gathered a substantial information base for the Developmental Disabilities Program. In many instances situational and resource difficulties had to be overcome by the councils to produce this meaningful and important document in their states. The Developmental Disabilities Program councils and staff are the principal contributors to the content of these papers.

The staff of each regional developmental disabilities office has contributed guidance as well as many hours of assistance to both the states and DCI technical assistance staff. Regional officers of the Developmental Disabilities Program shared in the primary development of the developmental disabilities state plans.

At the national level there has been continued direction, awareness of the importance of the comprehensive planning mandate and support for the operational effort to enhance state and regional offices, capability to implement the planning guidelines. The Developmental Disabilities Office Director, executive staff and those in the Program Operations and Research and Evaluation Divisions were key contributors to the momentum of the Fiscal Year 1978 developmental disabilities state plan development effort.

Final compilation and analysis of the information in developmental disabilities state plans is the result of effort by the EMC Institute staff. Data compilation and paper development were conducted by:

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## APPROACHES TO DD SERVICE NEEDS ASSESSMENT

This document contains the rationales and sources for DD service needs estimates used by forty-three (43) FY 1978 DD state plans. This information is intended to be used as a resource by state DD councils in assessing the service needs of the DD population.

The material in this document was collected to facilitate an analysis of trends in state DD council perceptions of service need.\* The results of that analysis are presented in a separate issue paper in this series, "Service Needs of the Developmentally Disabled".

Formulas, sources, and justifications for services needs are given here by state for both Direct Services (Table 1) and Support Services (Table 2). The basis for service needs most frequently used by the states include: consultations with professionals in the field of developmental disabilities; review of other states' assessment techniques; and review of agency service records or other literature. Only six states conducted a survey of the service needs of the developmentally disabled.

### USES OF THE DATA

This document can be used in the following ways:

1. To facilitate state Developmental Disabilities council decisions about the service needs of the Developmentally Disabled population. Provision of the rationale for estimates of needs for each type of service used by each state allows council decision-makers to weigh the suitability of each needs assumption for their state's purposes.
2. To provide additional documentation to support prior estimates of Developmental Disabilities service needs.
3. As a technical guide for calculation of developmentally disabled population service needs. The rationales for each type of service include formulas and other specific criteria which were listed in the state plans.

### LIMITATIONS ON USES OF THE DATA

While this information is presented here as a potential planning resource the user should exercise caution in adopting any of the approaches contained herein:

EMC Institute, Program Issue Review, "Developmentally Disabled Population Service Needs".

- o most of the approaches reviewed in this paper are based on slightly different methodologies, policies, assumptions, research and service definitions, some of which were unclear or incomplete, or were not even cited in the state plans. The resulting service needs thus depend to a certain extent on a unique combination of the above factors. Approaches from different state plans (for example, the School Age Education rationale from State A and School Age Training rationale from State B) should not be used together without careful council consideration.
- o this information was originally compiled to provide a national profile of state DD council perceptions and policies on DD service needs, as expressed in the FY 1978 DD state plans. Therefore, the approaches cited here do not form an exhaustive list, and no judgments are made or implied on the validity of these approaches. They merely illustrate choices made by state DD councils.

ABBREVIATIONS USED IN TABLE I AND TABLE III

DISABILITIES

MR = mentally retarded  
CP = cerebral palsied  
E = epileptic  
A = autistic  
LD = learning disabled  
SD = substantially disabled

DIRECT SERVICES

Residential Services

DC = Domiciliary Care  
SLA = Special Living Arrangements

Pre-school

DC = Day Care  
E/T = Education/Training

School Age

DC = Day Care  
E = Education  
T = Training

Adult

DC = Day Care  
E/T = Education/Training

Employment

S = Sheltered  
O = Other

SUPPORT SERVICES

Identification

D = Diagnosis  
E = Evaluation  
I&R = Information/Referral

Case Management

C = Counseling  
P&A = Protection & Socio-Legal  
F-A = Follow Along

Treatment

M = Medical  
D = Dental  
SPT = Special

Family/Program Support

R = Recreation  
PC = Personal Care  
T = Transportation

STATE	RESIDENTIAL			PRESCHOOL		SCHOOL AGE			ADULT		EMPLOYMENT	
	DC	SLA		DC	E/T	DC	E	T	DC	E/T	S	O
MASS	All substantially disabled (SD) will need one or both types of residential services.			All preschool SD (may not need both services simultaneously).		All school age (SD) (may not need all 3 services simultaneously).			All adult SD (may not need both services simultaneously).		All adult SD will need one or both types of employment services.	
CONN.	Consultation with statewide task forces on each of the four disabilities, composed of professionals and consumers; review of results of national and state studies, commissions and survey information generated by Council staff. Identified areas of high-priority needs, rather than numbers, in special living arrangements and in pre-vocational/vocational training for adolescent and adult DD.											
VT.	DD residents of institutions plus DD in nursing homes minus # ready for community placement.	Adult DD only: all A; all E without self-care control; 10% mild MR; all other MR; 80% CP; #ready for community placement.	All preschool DD in families earning less than median income (50% preschool DD)	All pre-school DD.		All school age DD	All school age DD who will need special living arrangements as adults.		All adult DD	All adult DD needing special living arrangements minus the profound MR.	All other adult DD.	

REGION II

N.J.	10%SD	55%SD	All preschool SD	18% school age SD	90% school age SD	100% school age SD	20% adult SD	60% adult SD	70% SD	15%SD	
N.Y. (Used own severely disabled) vice definitions)	3.5% DD (most severely disabled)	25% DD (disability not severe enough to warrant Dom. care, but prevents indep. living).	100% DD ages 0-2 100% DD ages 3-4	100% School age DD	15% DD ages 21-64, 100% ages 65+	10% DD ages 21-64	20% DD ages 21-64	65% DD ages 21-64			
P.R.	3% DD	6% DD	100% pre-school DD	100% pre-school DD	4% school age DD	90% school age DD	10% school age DD	5% adult DD	50% adult DD	50% DD ages 18-64	
V.I.	Numbers based on a count of SD persons. Actual count: Number of persons who need these services but remain unserved										Actual count of persons in need.

# DIRECT SERVICE RATIONALES

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STATE	RESIDENTIAL		PRESCHOOL				SCHOOL AGE		ADULT		EMPLOYMENT	
	DC	SLA	DC	E/T	DC	E	DC	T	DC	E/T	S	U
DEL.	Based on present institutional population	Twice the institutional population.	100% pre-school DD	100% pre-school DD	100% school age SD	100% school age DD	Number estimated by type of disability	100% adult DD	2.3% adult DD	Ages 21-50: 70% CP, 9% CP, 2% A, 60% mild or mod. MR		
MD.	100% SD	100% non-SD	100% pre-school SD	100% pre-school non-SD	100% school age SD	100% school age non-SD	100% adult SD	100% adult non-SD	100% adult SD, excluding LD.			
PA.	14% SD, excluding LD	7% adult SD, excluding LD	100% pre-school SD, excluding LD	100% pre-school SD	100% school age DD	100% school age DD	5% adult SD	100% adult DD; priority adult SD	100% adult SD, excluding LD.			
VA.	10% older adult DD 5% all other ages	5% preschool DD, 10% school age, 20% young adult, 30% adult	100% pre-school DD		100% school age DD		5% adult SD	5% older adult DD	85% young adult DD, 65% adult DD, 40% older adult	25% young adult DD		
D.C.	50% A; 26% CP; 10% E; all SD-MR	Based partly on the service needs estimates of the Louisiana State Plan: 10% non-SD; plus adults only; 30% A, 30% CP, 8% E	100% pre-school SD	100% pre-school MR-SD	100% school age MR-SD	School age: 100% A, 15% E 100% CP-SD & MR-SD	Adults: 75% A, 60% CP, 15% E, 100% MR-SD	Adults: 25% A, 40% CP, 15% E, 60% non-SD-MR	Adults: 23% A, 31% CP, 15% E, 40% non-SD MR	Adults: 20% A, 9% CP, 20% E, 60% non-SD MR		



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STATE	RESIDENTIAL	PRESCHOOL	SCHOOL AGE	ADULT	EMPLOYMENT					
	DC	SLA	DC	E	T	DC	E/T	S	0	
ALA.	Needs are currently being met by institutions.	Based on service descriptions relating to client characteristics.	Based on new state legislation expanding ed. classes.	100% school age DD	Based on service descriptions relating to client characteristics.	Based on DoE sheltered workshop regulations to client characteristics.	Based on service descriptions relating to client characteristics.			
FLA.	Used needs estimates from other states and a select committee of Council members, consumer groups representatives and state professionals to determine most appropriate estimates of need for each disability.									
GA.	Based on literature review and preliminary judgements by knowledgeable persons, including Council members. Used own service definitions.									
KY.	53SD	100% mild & mod. MR; 50% severe MR*	All pre-school SD except mild & Mod. MR*	(No est.- all school age DD who cannot benefit from ed. are best institutionalized)	All mild & mod. school age MR*	100% school age SD	20% adult SD	70% mild MR, 50% mod. MR, 10% other adults	20% mild MR, 75% mod. MR, 20% E.	50% mild MR*
MISS.	Living Arrangements Needs for the Mentally Retarded, 1976-1981, Miss. Dept. of Mental Health Div. of MR, 1976	Adults only, who need minimal supervision(MR) or are semi-dependent: 10% mild MR; 30% mod. MR, 26% mod. sev./prof. CP; 25% sev prof. E&A	40% pre-school SD	60% pre-school SD	10% school age DD	70% school age DD	20% school age DD	20% adult SD	60% adult DD	20% adult SD; 100% adult non-SD (includes non-paid homemaker)

# DIRECT SERVICE RATIONALES

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STATE	RESIDENTIAL		PRESCHOOL		REGION IV SCHOOL AGE		ADULT		EMPLOYMENT	
	DC	SLA	DC	E/T	DC	E	DC	E/T	S	O
S.C.	20%DD(severe profound)	20%DD(mod., sev. or prof.)	100% preschool SD	100% mild and mod., 50% serv. & profound	100% school age SD	100% moderate & profound	60% adult SD	2% sev. & profound, 6-5% mod.	40% SD, ages 20-65	100% mild
TENN.	Hollingsworth, substantiated by challenge for Dignity, Tenn. 5 year plan for MR:00036 of general population									

## REGION V.

ILL.	30%SD			(no est: all can benefit from training & ed. to some degree).	Disability so severe that basic phys. care program is primary mode of care			
IND.	Each state agency was asked to estimate: number currently being served (FY 1976) plus projected number to be served (FY 1978) plus additional number needing services. This need figure was then broken down across a 9-cell matrix reflecting age & severity of handicap.							
MICH.	Based on current and projected levels of agencies and projected impact of current/pending legislation.							

<sup>1</sup> Hollingsworth, J. Selwyn; Report of Phase II of Survey of the Developmentally Disabled in Alabama: Needs and Resources, University of Alabama, 1974.

[illegible]

# DIRECT SERVICES RATIONALES REGION VIII

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STATE COL.	RESIDENTIAL		PRESCHOOL		SCHOOL AGE		ADULT		EMPLOYMENT	
	DC	SLA	DC	E/T	DC	E	DC	E/T	S	0
Agency service need projections, Division of Developmental Disabilities										
MONTANA	50% A, 26% CP, 10% E; MR with 10 less than 25: 50% under age 20, 80% above age 20; 25- MR with 10, 25- 50: 25% under age 20, 50% over age 20.	Over age 20: 30% A, 30% CP, 8% E, 10% MR with 10 above 50	100% preschool AACP, 22.5% preschool MR & E.		22.5% school age MR.	22.5% A-SD & CP-SD, 15% E, 90% MR (these persons will depend on special ed. services for more than 50% of ed. services).	100% sev. & prof. MR; 75% A, 15% CP adults	25% A, 40% CP 15% E, 100% mild MR adults	23% A, 31% CP 30% E, 40% mild MR adults	2% A, 9% CP, 65% E, 60% mild MR adults.
N.D.	Based on FY 1977 Mississippi State Plan formula:									
	30% mod. MR & CP; 60% sev./prof. MR; 50% sev./prof. CP; 40% sev./prof. A; 10% sev./prof. E.	20% mild MR, 50% mod. MR, 40% mod. CP; 45% sev./prof MR, CP, E & A	100% preschool SD	100% pre- school DD	100% school age SD	100% school age DD	50% adult SD	Based on Penna. FY 1977 formula: 100% adult DD	Based on Mississi- ppi- FY 1977 formula: 75% adult SD	Based on Tennessee FY 1977 formula: 100% mild adult DD
S.D.	Based on La, FY 1978: Less than 2% MR; 26% CP (Crutick- shank); 2, 10% E (studies in Norway & England); 50A	Of those who don't need dom. care: 100% adult SD-MR, 10% adult non- SD MR, 75% non-adult MR-SD; 30% adult CP; 8% adult E; 30% adult A	(Shown as ed. on T.2-5; excludes mental- cus- todial care). 100% pre- school MR-SD; 100% CP, E, & A preschool DD		100% school age DD		(excludes care which is merely custodial) 50% adult non-SD MR (work act); 60% adult CP; 15% adult E; 75% adult A	3-year train- ing; 50% non- SD MR, 40% CP, 15% E adults; 4 to 5 year training: SD MR, 31% CP; 30% E 23% A.	Adults only: 60% non-SD MR, 9% CP, 70% E 2% A.	

2 Crutickshank, cites New York State Department of Health, Education, Mental Hygiene & Social Welfare comprehensive investigation of CP in Schenectady County, New York.

# **DIRECT SERVICE RATIONALES** **REGION VIII**

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STATE	RESIDENTIAL			PRESCHOOL		SCHOOL AGE		ADULT		EMPLOYMENT	
	DE	SLA	DC	E/T	DC	E	T	DC	E/T	S	0
UTAH	4% school age SD; 10% adult SD; 2% older adult (55+ years) SD. Reflects current inst. pop.	Most other estimates were made by DD Council planner; Council considers the estimates are probably conservative. Used own service definitions.									
WYO.	The desired level of use of the state institution.	Based on review of current capacity of DHS-MH/MR Section special living arrangement, need for more community placement & SLA turnover rates	(Day care with out development. or training experiences is not a viable component)	100% pre-school SD	See pre-school	100% school age SD		1/3 elderly SD.	80% adult SD	Based on review of current capacity of work activity centers & turnover rates.	10% adult SD
REGION IX											
ARIZ.	Results of AODPAC DD Services Information Survey; Council estimates that this reflects approximately 50% of actual needs.										
CALF.	Require 24-hour professional care; may need persons ambulate; may need community care, self-help and/or socialization services to some degree.	Some degree of supervision needed. May require counseling, social and/or personal care services.	Needs some professional supervision. May need some occ/phys. therapy, academic and/or social services.	Instruction, supervision & assessment needed from specially trained professionals to enhance life, social academic skills.	See pre-school day care.	See pre-school ed/training.	Training by specially trained professionals through discussion demonstration etc. for minimum-level societal skills.	See pre-school day care.	See pre-school ed, training & school age training, also need training in social situations	Need ongoing, structured activities involving work & professional evaluation to assess occupational skills.	May need vocational counseling, training, special equipment and/or OJT to prepare to enter job market.
NEV.	100% sev. & prof. DD.	100% moderate DD	100% pre-school DD		(no need- all will receive ed. or training from school districts)	100% school age DD		50% mod., 100% sev. & prof. DD adults		50% mod., 100% sev. & prof. DD adults.	All SD adults who do not need sheltered employment.

**DIRECT SERVICE RATIONALES**  
**REGION X**

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STATE	RESIDENTIAL		PRESCHOOL		SCHOOL AGE			ADULT		EMPLOYMENT	
	DC	SLA	DC	E/T	DC	E	T	DC	E/T	S	O
ALASKA	Age3-20:1.1%MR Age21+:1.2%MR	Age0-2:2%MR Age3-5:8.4%MR Age6-20:4.7%MR Age21+:5.2%MR	50%preschool DD,adjusted for overlaps in disability	100% pre-school SD: MR,CP&A	50%school age DD, adjusted for overlaps in disability	100% school age SD: MR&A:20%(poor seizure control); 10%CP(non-MR, but likely to need special education).		(Alaska has no way to estimate this need)		Adults:50% mod MR, 100% sev.&prof. MR Ages 6-20: 4/14 of adult percentages	Adults:100% DD not in sheltered empl. Ages 6-20: 4/14 of adult percentages.
OREGON	Data provided by Div. of Mental Health, Dept. of Human Resources; methodology not known by Council.										
IDAH0	5%MR,1%CP&E Based on state instt. & national proj- ections.	10%DD children 30% DD adults sev.,mod.& back- up for persons living indepen- dently.	state data on married women in labor force, extrapolated into DD pop.	100% pre-school DD	See pre-school day care.	65% MR, 100%CP, 13%CP&E est's developed by reducing the pop. to control for multi-handi- caps, then extrapolating from current school pop.		11% adult DD(severe).	Percent- ages as- sumed the same as school age.	mod.&sev. MR, youth; 50% mod.CP;all sev.& some mod.E.	All those not in instt. or sheltered employment.
WASH.	(20% require no services - living with family) 30% SD (Does not include skilled nursing care needs).	50% SD				100% school age DD: state mandatory ed. law.		5% adult DD,100% elderly SD will not benefit from cont. training/education.	85% adult SD	7% adult SD	3% adult SD

STATE	D	E	I	MR	C	P&A	F-A	M	D	Spt.	R	PC	T
IDENTIFICATION													
CASE MANAGEMENT													
TREATMENT													
FAMILY/PROGRAM SUPPORT													
CONN.	See Direct Services. Identified needs: information and referral services for epileptic and autistic; special training and study with emphasis on the autistic and epileptic; transportation for adult non-institutionalized DD.												
MASS.	All support services are needed by 100% SD												
N.H.	100%DD												
VT.	100%DD												
REGION II													
N.J.	100%SD	50%SD	100%SD	50%SD	100% preschool SD, 90% all other SD	70% SD	50%SD	40% SD; income maintenance; all SD living in families below median income level.	70%SD				
N.Y.	1/3 of infant DD pop. (ages 0-2), annually.				100%DD; guardianship: 100% non mild adults	100% DD							
P.R.	100%SD												
V.I.	See Direct Services.												

**SUPPORT SERVICE RATIONALES**  
**REGION III**

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# SUPPORT SERVICE RATIONALES REGION III

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IDENTIFICATION		CASE MANAGEMENT				TREATMENT			FAMILY/PROGRAM SUPPORT		
STATE	D	E	ISR	C	PCA	F-A	M	D	SPT	R	PC
DEL.	100% MR, CP & A under age 5; 10% E, all ages	100% CP&A; 40%E; 100%MR ages 0-4, 50% ages 5-20, 20% ages 2+	100%DD	100%MR&A 98%CP; 50%E	100%DD	100%A, 98% CP, 45%E; 100%MR ages 5-20, 25% (non-sev.) adults	100%MR, CP&A; 50%	100%DD	100%CP&A 10%E (uncontrolled); 100%MR ages 0-6, 50% ages 6-12, 25% age 12+	100%DD	10%adult DD
MO.	100%DD	100%DD	100%DD	100%DD	100%DD	100%DD	100%MR, CP&A; 50%	100%DD	100%CP&A 10%E (uncontrolled); 100%MR ages 0-6, 50% ages 6-12, 25% age 12+	100%DD	10%adult DD
PA.	top priority: SD	100%DD; top priority: SD	100%DD	100%DD; top priority: SD	100%DD	100%DD; top priority: SD	100%DD	100%DD	100%DD	100%DD; top priority: SD	100%DD; excluding LD
VA.	100%DD ages 0-19	(ongoing) 100%DD	100%DD	100%DD (includes parents, guardians)	100%DD	100%DD	100%DD ages 0-19; 60% 0-19; all other ages	100%DD ages 0-19; 30% 0-19; all other ages	50% DD ages 0-19; 30% all other ages	25%DD ages 0-4; 80% ages 6-55; 60%, 55+	50% non-institutional DD
D.C.	100%SD	Based in part on Louisiana FY 1978 State Plan:									
	100%SD	100%SD, 100% school age MR with IQ above 50	100%DD	100%A, 100%MR-SD, 50% school age MR with IQ above 50, 98%CP, 90%E	100%DD	100%A, 100%MR SD, 50% school age MR with IQ above 50, 98%CP, 85%E	100%DD	100%A&CP 10%E, 100%MR-SD, 50% school age MR with IQ above 50	100%DD	100%SD	100%SD, 50% Adult & E



# SUPPORT SERVICE RATIONALES

REGION IV

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IDENTIFICATION											
STATE	U	E	LR	C	P&A	F-A	M	D	Spt	R	PC
ALABAMA	Annual units of service needed. Based on number of clients likely to be enrolled in various programs offering these services, from existing agency statistics.										
FLA.	See Direct Services										
GA.	See Direct Services										
KT.	100XSD			50XSD	100XSD	50XSD	100XSD below poverty level	70XSD	50XSD (50X can provide their own re-creation)		70XSD (rural state)
MISS.	1/300 (with such services, all DD could receive eval. every 3 years.		100XSD	50XSD, 50X non-SD	100XSD	100XSD in spec. liv arrange-ments,	100XSD in families with income less than \$5,000 year.	100XSD	100XSD		100XSD
S.C.	Adjusted for potential rate of service demand, based on educated opinion of service delivery experts in South Carolina: 90XSD (all but sev. & prof.)	100XSD	100XSD	100XSD	50XSD	60XSD	50XSD		70XSD		
TENN.	50% of DD needing IAR and Case Management Services.		MTD DD: 25% adults, 25% preschool, 100% school age; 100% moderate, sev. & prof., all ages.				100XSD	50XSD (frequency of compounding prob-lems than 3	100XSD	100X sev. & prof. DD.	100XSD

3. Nham, N. An Epidemiological Survey of Developmental Disabilities in the Commonwealth of Virginia, 1974.

**SUPPORT SERVICE RATIONALES**

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**REGION V**

STATE IND.	IDENTIFICATION		CASE MANAGEMENT		TREATMENT		FAMILY/PROGRAM SUPPORT	
	U	L	C	PBA	F-A	H	D	SPE
IND.	See Direct Services							
MICH.	See Direct Services							
ARK.	100XSD							
LA.	100XSD: these estimates are not yet adjusted for rate of demand.							
N.H.	See Direct Services							
ICMA	Estimates acceptable by professional service providers							
IND.	100XSD	50XSD	100XSD		50XSD	100XSD	80XSD	100XSD
MO.	See Direct Services							
NEB.	See Direct Services							
COA*	See Direct Services							
IND.	100X new DD cases	22.52A, CP; 40SE; 22.52MR under 5 & over 20 yrs; 100X schoo age MR.	100XSD	22.52A; 98XCP; 60XE; 100X school age MR; 22.52MR & over 20 yrs.	22.52A, 98X CP, 85XE; 100X sch-ool age MR. under 5 & over 20 yrs.	100XSD	22.52A, 100XCP, 10XE, 100X sch-ool age MR, 22.52 MR under 5 & over 20 yrs.	100XSD
	Based on FY 1977 Pennsylvania State Plan formula:							
	100XSD							

22.52BD (the SD pop) and 33X (severely handicapped) DD.

# SUPPORT SERVICE RATIONALES REGION VIII

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STATE	IDENTIFICATION			CASE MANAGEMENT			TREATMENT			FAMILY/PROGRAM SUPPORT		
	S.D.	0	E	L&R	C	PCA	T-A	M	D	SPT	R	PL
Based on FY 1978 Louisiana State Plan formula:												
15MR, 10% CP&E, 20% (diag. usual-ly made in 1st 5 yrs. of life) SD only	100MR-SD, 100% pre-school & age non-SD MR, 100% CP, 40% CP, 100% SD only	100MR-SD, 100% pre-school & age non-SD MR, 100% CP, 60% CP, 100% (and/or families)	100% SD	100MR-SD, 50% school age non-SDMR, 98% CP all E who need continuing med. treatment), 100% SD	100MR-SD, 50% preschool age non-SD MR, 100% CP, 10% (all those in dom. care), 100% SD	100MR-SD, 50% preschool age & school age non-SD MR, 100% CP, 10% (all those in dom. care), 100% SD	6.3% SD (those with sev. or prof. disability)	number needing counseling	Number needing special therapy	90% of number needing counseling		
UTAH	See Direct Services											
WYO	100% mod. sev./pro. DD	90% SD	twice the number of persons receiving services from pre-school & adult centers.	20% of total P&A needs est. in state annual social serv. plan	100% SD in preschool centers & in spec. liv. arrangements.	100% preschool SD, 80% school age & adult SD	6.3% SD (those with sev. or prof. disability)	number needing counseling	Number needing special therapy	90% of number needing counseling		

## REGION IX

ARIZ.	Data in part submitted by Dept. of Economic Security, Bureau of Mental Retardation; also Direct Services											
CALIF.	100% DD										100% SD	100% SD
NEV.	100% persons home each year	100% SD						100% SD who fall below poverty level.	100% SD who are below 75% of poverty level		100% SD	100% SD

**SUPPORT SERVICE RATIONALES**  
**REGION X**

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STATE	IDENTIFICATION			CASE MANAGEMENT			TREATMENT			FAMILY/PROGRAM SUPPORT		
	0	E	1AR	C	PLA	F-A	H	U	SPL.	R	PL	T
ALA.	1/300 ages 0-2; 1/300 ages 3-5 who were not diag. as infants; 1/14 school age pop & 1/25 adult pop, corrected for overlaps	100% children in ed. programs; 100% people in res. facilities or who receive special services.	100% ages 0-2; all others shifting from 1 service to another 1/3 DO 1/14 DO ages 3-5; 1/14 DO ages 6-20; 10% ages 21+	55% DO	Alaska PMA State Plan estimates	Ages 0-2: 100% DO Ages 3+: 100% MR-SD; 100% CP, EAA	Ages 0-2: 100% DO ages 3+: 100% MR-SD, 100% CP, EAA	Ages 0-2: 100% DO ages 3+: 100% MR-SD 100% CP, EAA. all E on dilaantin (40%)	100% MR-SD CP, EAA	Ages 0-2: 100% MR-CP; ages 3+: 100% MR-SD, 100% CP, EAA	Ages 0-2: 100% MR, CP, EAA; 20% ages 3+: 100% MR-SD, 100% CP, EAA, 20%.	100% rural DO 100% urban SD Children, 100% adult MR-SD, CP and A, 60% E adult
10.	100% DO pop (mostly preschool)	all DO receiving ed. & training ser.	100% pre-school DO; other ages 65% MR, 50% CP, 40% E, 100% CP.	See 1AR	100% DO child-rent; 30% DO adults	all DO receiving ed. & training services	54% sev./prof. DO	48% sev./prof. DO	100% pre-school DO; 100% CP, 40% E, 100% mod. sev./prof. MR; adult: sev./prof. MR, CP & E, 100%.	all DO receiving education and training services	sev./prof. DO	all DO receiving education & training services.
OREG.	See Direct Services											
WASH.	100% DO											

Corrected for overlaps