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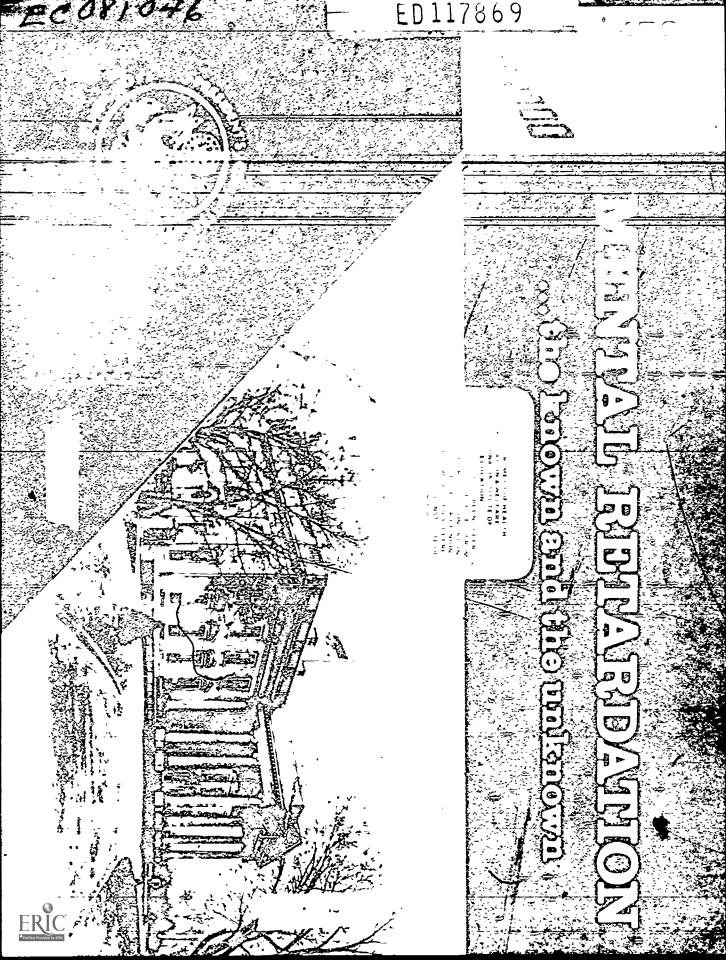
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Mental Retardation: The Known and the Unknown. TITLE Information as of Pebruary 1, 1975. President's Committee on Mental Retardation, INSTITUTION Washington, D.C. Department of Health, Education, and Welfare, SPONS AGENCY Washington, D.C. DHEW-OHD-76-21008 REPORT NO PUB DATE 118p. NOTE Superintendent of Documents, U.S. Government Printing AVAILABLE FROM Office, washington, D.C. 20402 [Order No. (OHD) 76-21008, \$2.45] MF-\$0.83 HC-\$6.01 Plus Postage EDRS PRICE *Civil Liberties; Definitions; Demography; DESCRIPTORS Educational Trends; Fqual Education; Etiology; Exceptional Child Services; Financial Policy; Health Services; Incidence; Legislation; *Mentally Handicapped; *Organizations (Groups); *Prevention; Research Reviews (Publications) * *Trend Analysis Presidents Committee on Mental Retardation - IDENTIFIERS

ABSTRACT

The report of the President's Committee on Mental Retardation deals with three goal areas: minimum occurrence of disability, adequate and humane service systems, and assurance of full citizenship for the retarded. Considered in an initial section are the background, definition, prevalence, and incidence of mental retardation. Reviewed is research relating to prevention and described are the associations between mental retardation and such conditions as Tay-Sachs disease, rubella, lead poisoning, and prematurity. Among the service systems discussed are health services, vocational training, and programs of daily activity. An analysis of full citizenship covers such aspects as right to education, right to treatment, and right to payment for work, and addresses the effect of legislation, competency questions, and attitudes on the rights of the retarded. A final section reviews the economic impact of vocational rehabilitation and education and analyzes federal spending trends. (CL)



Statements by the Last Two Physidents of the United States

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MENTAL RETARDATION: THE KNOWN AND THE UNKNOWN

Information as of February 1, 1975

PALSIDENTS COMMITTEE ON MENTAL RETARDATION
Washington, D.C. 20201

DHI, W.Publication No. (OHD) 76-21008



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Project Staff:

McWilliams Diane Stephenson, Sybit

Project Consultants

Burton Blatt Director of Special Education and Rehabilitation, Syracuse University, Syracuse, New York

Japles D Clements Director, Georgia Retardation Certer, Chamblee, Georgia

William Cruickstlank Director, Institute for the Study of Mental Retardation and Related Disabilities, University of Michigan, Ann Athor, Michigan

Thomas Porter Director Department of Counseling and Guidance University of Georgia, Athens, Georgia, 1

J C Terrell Associate Professor of Management, Georgia State University, Atlanta, Georgia

Project Officer

William H Witsijack

Century of Decision Series Copridinator

Henry V Cohb, Ph D.



of mental retardation, we are continually learning that its effects go far beyond present knowledge Mental Retardation is a condition with which we have been living since civilization began. Although There is a parallel need to identify and acknowledge those areas where true knowledge does not exist There is an urgent need to determine-and present what is known about mental retaildation today in recent years much has been accomplished to identify, treat, and sometimes eliminate certain causes

disability, adequate and humane service systems, and assurance of full citizenship for those who are to three goals of the Plesident's Committee on Mental Retardation, minimum occurrence of the the nature and extent of mental retardation and its social implications. It presents information related associated with or interested ϕ mental retardation will find it readily useable. This work deals with In this book we attempt to identify what is known, and to present it in such a mannar that anyone

mentally retarded

and only opinion prevails

an essential preltide to the Committee's forthcoming report to the President on the future outlook for The book should be a platform of present knowledge on which future directions can be charted 4t is absence of knowledge in many areas will prove an incentive to seek facts that are presently lacking It is hoped that this book will be first of all informative and authoritative, and that the manifest those who are mentally retarded

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Haggerty, and William Wilspack are especially recognized President's Committee. The jask group of Dr. Cecil Jacobson, Airs Mallas, Affred Weissberg, Deligns I wish to acknowledge the generous contributions of members, consultants, advisers and staff of the

on Mental Retardation Member of the President's Committee Chairman of the Task Group and James N. Juliaņa

occurrence of [mental] retaildation and to assure humane services and full citizenship for those who The nation has been given a mandate by its President " to chart a concerted effort to minimize the

a major report to the President, advising him on the best methods for achieving these goals The President's Committee on Mental Retardation is charged, on the eve of the Bicentennial, to make

United States, in the year 1975 what can and what cannot be reported about the level of methodology and accomplishment in the This book is one part of that report. It describes for each of the three major goals mentioned above

available is stated as a truisml Effective programs cannot be operated if major questions go While recommendations are not within the scope of the book, the need for information to be readily It is stated now, and will be repeatedly emphasized, that there are many gaps in available information.

m a central reporting system done much more than can be reported here, but documentation of these facts has not been collected unknowable. Each piece of information presented here represents the best of what could be obtained from what are called, in today's language, "information retrieval systems" Those in the field have It would be inaccurate to states that the highlighted gaps always represent the unknown or the

costs of mental retardation? The first question serves as an introduction. The second, although in a separate chapter, two other questions are discussed, what is mental retardation and what are the placed at the end, is not a summary, but raises questions that must be answered as the nation works Apait from the three specific areas of otcurrence, services, and citizenship, each of which is discussed to meet its objectives

The information presented in this book should serve as a baseline for monitoring present circumstances and as a departure point, indicating future change



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How Has the Definition of Mental Retardation Evolved?

Mental retardation refers to significantly subaverage general intellectual functioning (two standard deviations below the normal) existing concurrently with deficits in adaptive behavior, and manifested during the developmental period.

This is the definition adopted by the American Association on Mental Deficiency (AAMD) on advice of its Task Force on Classification and Terminology headed by Herbert Grossman in 1973. It is the latest in a series of efforts to define mental retardation. These efforts are certain to continue.

In 1846 Samuel Gridley Howe defined "feeble-minded" persons who ranged in level of incapacity from these with reason enough for simple individual guidance plus normal powers of locomotron and animal action, to "mere organisms."

In 1914 Henry Goddard subdivided the *feeble-minded," again by degree of ncapacity, into "morons, imbedies and idiots".

In 1941 Edgar Doll defined 'mental deficiency' as "(1) social incompetence, (2) due to mental subnormality, (3) which has been developmentally armited, (4) which obtains at maturity, (5) is of constitutional origin, and (6) is essentially incurable."

In 1958 Seymour Sarason and Thomas Gladwin accepted Doll's definition for those persons with brain damage but proposed another which applied to "individuals" who almost invariably come from the lowest social classes and whose low Intelligence hest scores cannot be considered a reflection of intellectual potential."

group called "borderline retaided," and labeled proximately 84 and below) definition which received [wide use "Mental tion moderate, severe, and profound mental retarda successive degrees of impairment as mild standard deviation below the normal (IQ ap statisticians to mean anyone more than one developmental period and is associated with lectual functioning which originates during the retardation refers to subaverage general intel-Association on Mental Deficiency (AAMD) a In 1959 Rick Heber prepared for the American mutairment of adaptive behavior "Subaverage functioning was defined in the language of It included a

In 1973 Jane Mercer tried to define mental retardation in a different way, from what she called the "social systems perspective" rather than the "clinical perspective". She considered mental, retardation an "achieved status in a social system and the role played by persons holding that status." One could, therefore, be considered mentally retarded and labeled as such even though not meeting all the criteria required by the AAMD definition.

See references 30, 36, 50, 72, 77

Two Views of Mental Retardation

| Clinical Perspective | Social Systems Perspective |
|---|--|
| Intelligence is an entity that exists independent .M. of cultural setting .E | "Intelligence" is relative to the requirements of the particular social system |
| Α | |
| If one is retarded according to standard statistical or medical tools, he is retarded | One can be "retarded" for some systems (e.g., school) and "normal" for others (e.g., family a life) |
| m m | |
| A clinician detect abnormalities not ap A parent to laymen These inseen abnormalities R can be proof of estardation. | Retardation cannot be "undetected," since an individual is retarded only by virtue of being labeled as such in a particular setting |
| 7 | |
| The real number of retarded people in an area can be scientifically detectioned without consid. Nearing the area's social structure | The number of people labeled retarded in an area is determined by the social structure of that area (i.e., what is expected of persors, how much, or how well, is difference tolerated?) |
| Adapted from Merce | Adapted from Mercel J.B. Labeling the Mentally |

retardation at approximately 70 (depending on eliminating the Eategory of borderline retarwhich intelligence test is used). dation and placing the upper IQ limit of mental ified the earlier AAMD definition, this time Also in 1973, the Grossman committee mod-

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Retail de'd Berkeley, California Clairersity of Cali

true in the areas of regulation and service consequence, practice follows a variety of formally established ones This is particularly definitions, some of them different from the This definition is not fully applied. As a

See references 50, 77

How Has the Definition of Mental Retardation Been Approached?

Undarlying the differences in definition presented here are approaches from different scientific frameworks

From the biological or medical viewpoint, mental retardation has been seen in terms of pathology, or sickness which differentiates individuals in their physical make up and function from the characteristics of the 'normal' individual.

From the educator's viewpoint, the mentally retarded individual is of concern when he does not respond to the usually successful methods of instruction in use in the schools. This has led to the stensical focus, which attempts to classify individuals according to intellectual potential and thereby predict the limits of future success of addievement.

As important all scientific concerns are societal attitudes have been just as important in the developing definition of mental retardation. As evidence mounted that more retarded persins were "found" in certain ethnic or income groups and in certain geographical areas, pressure was exerted to re examine definitions of retardation to determine whether the consequences of deprivation were being confused with constitutional disability.

There remain impressived definitional questions that are under continuing inquiry.

10

What Is Subnormal Intellectual Functioning? How Is, it Detected?

It is the inability to use one's mind for thinking, reasoning, figuring, or remembaring as well as someone who is "normal," as a result of a developmental broblem. "Normal," means average, and is determined by responses to intelligence tests.

plying by 100, a number is adainveil mental age by «chronological age and myltiscore falls determines whether he for she is individual's 10 Subsequently, a wide range of compare a child's 'mental age' as revealed on tended. Around 1915, Stern and Terman propsychometrically an 1Ω . The most widely used is the Weghsler the tests, with his chronological age. By dividing posed the "intelligence quotient," (10), were brought to the United States and ex The average score on intelligence tests/fs 100 Series, applicable to both children and developed using other methods for obtaining other tests for measuring intelligence have been They far above or below this number giverson's coldren by Binet and Simon in France in The first attempts to measure intelligence in bright or Amentally re 305

The following chart shows the major levels of mental retardation and the RO ranges that apply to each level, from two widely used intelligence tests.

| | Obtained Intelligence Quotient | Jenice Quotient |
|-----------------------------|--------------------------------|-----------------|
| Level of Mental Retardation | Stanford Binet | t Wechsler |
| | (69 84) | (70-84) |
| Milet | 52 68 | 95 69 |
| Moderate | 16 98 | 40 54 |
| Severe | 20 35 | 25 39 |
| Profound | 19 and below | 24 and below |

"Borderline" figures are given here for comparison. Since the American Association on Megtal Deficiency adopted its 1973 definition, persons scoring in this range are not considered mentally retarded.

There are a number of prevailing citiesns of intelligence tests today.

1.5

- They are based on the values of white middle class persons and are therefore not pertinent to persons of other cultures.
- They measure achievement based on differences in opportunity to learn rather than native intelligence.
- They are used arbitrarily as a means for excluding persons of minority cultures from opportunities to learn
- They are over simplified reflectors of complex and imique human characteristics

See references 30, 50, 77

What Is Adaptive Behavior? How Is It Measured?

with more severe forms of retardation, deficits chores. Adolescents are expected to develop children are usually expected to go to school expected behaviors are diessing eating with performs those tasks expected of someone his indications of a problem. Simply stated, adapwas first concerned with intelligence especially their sexual development and begin to earn independent social relationships, cope with and take some responsibility for household and advance in grade, be able to handle money, utensits, and acceptable toilet training Older age in his culture. For very young children, tive behavior refers to the way an individual Although measurement of mental aetardation ment of a household adequate performance in a job or the manage adaptive behavior are the Adults are expected to be capable of 15 IT}

Since Heber's definition of mental retaindation was adopted by the American Association on Mental Deficiency in 1959, attempts have increased to develop an accurate assessment of adaptive behavior.

Some well known measures in use today are the Appar test for newborn infants, the Vineland Social Maturity Scale, the Gesell Developmental Scales, the AAMO Adaptive Behavior Scales od the Denver Developmental Screening Test to Furope, the Coundaring Progress Assessment Chart is very widely used......

Measures of adaptive behavior typically depend on the judgments of people who know the individual being tested or on direct observation by the tester. Because the behaviors to be

rated often cannot be seen under "labolatory conditions" (for example, a person's ability to use public transportation), tests are often time consuming.

Some persons have criticized the available tests, saying that they do not adequately account for cultural or geographic differences that would make for differing expectations of "normal behavior."

With the exception of the child development chings sponsored by the Maternal and Child Health Service of the U.S. Public Health Service adaptive behavior measurement has not yet spread far beyond the institutions, where much of its development took place. Most children referred to these chinks for evaluation are rated for both intelligence and adaptive behavior, and both scales are considered in any diagnosis of mental retardation.

10

See references 50, 77, 118

How Are Ratings of Intellectual Functioning and Adaptive Behavior Related?

As low 1Q predictive of adaptive behavior failures? The answer is indefinite. We do not know

New Patrents in Maternal and Child Health Mental Retardation Clinics by Intelligence and Adaptive Behavior Levels, Fiscal Year 1972

| | Total Determined | y. 22,728 | 100 0 | 2 | 18,485 | 100 0 |
|---|----------------------|-----------|-----------------|---------------------|----------------|-------------|
| | No Retardation | 9,026 | 39 7 | No Retardation | 7,100 | 38 4 |
| | AA-I Data I i | 3,000 | * *\ - ' ' ' | | 1 |)) 1 |
| | Mile Relaterion | 3,955 | 1/4 | Level I (Wald) | 74,752 | 22.5 |
| • | Moderate Retardation | 2,621 | 11 5 | Level 2 (Moderate) | 3,272 | 177 |
| | Severe Retardation | 1,508 | 66 | Level: 3 (Severe) 💃 | 2,348 | 12 7 |
| | Profound Retardation | 732 | 3 ? | Level 4 (Profound) | . 1,613 | . 87 |

*Does not total 100% due to rounding

Adapted from U.S. Department of Health, Editor tion and Welfard Children Served in Mental Retardation Clinics. Fiscal Years 1970–1972 Rockville, Maryland. Maternal and Child Health Service. 1973.

10

The last year for which data represented in the above table were available from the Maternal and Child Health Service is 1972, when the pre 1973. AAMD * definition of, mental retardation was in use for that reason, borderline retardation is still listed as a category. Since different numbers of persons were given the different tests, comparisons between scores cannot be drawn.

There is no available information on the distribution of mentally retarded individuals who have been identified on the basis of using IQ and behavior tests combined

See reference 108



How Are the Numbers of Mentally Retarded Peopley Determined?

This is a question of epidemiology, it e science of determining the amount and distribution of a condition or disease in a given population Mental retardation is a condition, not a disease. Two measures are used

Persons Leaving the

Population

• Incidence refers to the frequency of occur rence of new cases of mental retardation in a population during a designated time interval, Questions concerning incidence usually die related to prevention

Per

Two

Year

Prevalence relgis to the proportion of pe/sons
in a population who are considered mentally
retarded at a given time. Prevalence is important in determining the need for services.

What Is the Connection Between Inchlence and § Prevalence?

The incidence of mental retardation ultimately determines, the prevalence of retardation. The following table shows the effect of incidence on prevalence, under different cognitions. This table illustrates that even if occurrence of mental retardation were to be prevented within the next ten years, there would still be next to provide increasing amounts of service in the immediate future.

One Per

Year

An Illustration of the Effect of Incidence on Prevalence

| Prevalence = 10 - 1 = 9 | Prevalence - 10 - 2 = 8 * | | Year 1. Incidence 10 Per Year |
|---------------------------|----------------------------|---------------------------------------|--|
| Prevalence = 45 - 5 - 40 | Prevalence = 45 10 - 35 | • • • • • • • • • • • • • • • • • • • | ar 1. Year 15 10 Per Year Incidence 5 Per Year |
| Prevalence - 65 - 10 = 55 | Prevalence = 65 - 20 - 45 | | Francial Property of the Prope |
| Prevalence = 65 - 20 = 45 | Prevalence = 65 40 = 25 | | Year 20 Incidence 0 |

one mentally retarded person;

for purposes of the illustration, it is assumed that the incidence drops in the fifth year to half, and in the tenth year to zero and that the rate of persons leaving the population is constant at either one or two per year.

How do people leave the population? By death (medical orientation) or ceasing to function as mentally retarded (psychological, educational orientation)

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What Is the Incidence of Mental Retardation?

There are no methods currently available to determine the true incidence of mental retardation. And it is incorrect to speak of "the incidence" as if it were a fixed, unchangeable rate. The number of persons who will suffer impairments in adaptive behavior and demonstrate significantly subaverage intelligence is highly dependent on such factors, as circumstances of heredity and birth, adequacy of health care, economic conditions, and family circumstances. Consequently, questions about incidence are related to prevention of mental retardation.

Obviously, incidence and prevalence will be significantly determined by the way in which mental retardation is defined.

Some factors that congulute to difficulty in +-determining the incidence of mental
retardation are these

- It is not possible to identify in every case the cause of mental retardation. Therefore, in cidence dannot be determined at its source.
- In only the minority of cases can it be determined at birth' that a person is, or ever will be mentally retarded, or that, having been identified as retarded, he or she may not at some time cease to be so regarded
- Most mentally retaided persons are first dentified at five or six years of age when they enter for attempt to enter) school and are subject to intelligence tests
- Many cludden, classified socio-culturallymentally retarded, are not mentally retarded at birth, but begin to show deficits in functioning after they begin school

Retardation? What is the Prevalence of Mental

This is one of the serious lacks of information establish the prevalence of mental retardation since prevalence determines the need for ser-We are now at a point of being unable to

parts: one fairly well agreed upon, the other The answer to this question really has two shrouded in controversy

concluded individuals can be confirmed medically other countries tend to converge on similar handicapped as well. Epidemiological studies in obviously retarded, and usually with mental retardation), psychometrically, and and profound) retardation. For the most part percent for "severe" (actually moderate, severe, A recent summary of epidemiological surveys through deficits in adaptive behavior. They are the diagnosis of mental retardation for these that were conducted in the United States (through detection of physical signs associated that the prevalence rate is 0.3 obviously

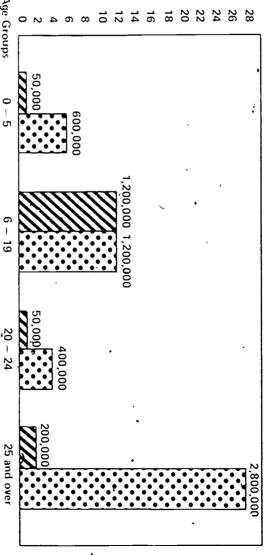
affected by many factors, including used over the years is now being shown to be quoted three percent total prevalence figure sus completely breaks down. The widely When mild mental retardation is added, consen-

- changes in definition of mental retardation
- ways of identifying mildly retarded individ
- confusion with respect to what constitutes socio-cultural retai dation

one percent (including all levels) are so identi-It is pointed out that at any given time only 160 The discrepency between a statistically

Number Mildly Retarded (100 000) Predicted Prevalence of Mild Mental Retardation in a Nation of 200,000,000 Persons

19



Age Groups 0 - 5

Legend

Using 1% Prevalence

Using 3% Prevalence

American Journal of Mental Deficiency, 77 Gandary, Mental Retardation. Some Aspects of Epidemiology." 1972 Adapted from Tarjan G etial "Natural History of

See reference 100

accompanying diagram percent identifiable is demonstrated by the predicted three percent and the actual one

> manifest that the majority of difference in the clinical identification using the Heber definition cation of intellectual deficit (2.5 percent), and mild mental retardation assuming early identifi between statistically predicted prevalence of lation. The estimates for the school age popul estimates is accounted for by the adult popul (75 percent) From the above table it is lation are identical Tarjan and associates estimated the differences

retarded in childhood cease to be retarded as epidemiological study is required to explain the unidentified group in need of services. Further crepancy are that persons identified as mildly adults, or that such persons remain a large Among possibilities' suggested for such dis-"disappearing retarded" in the adult age range

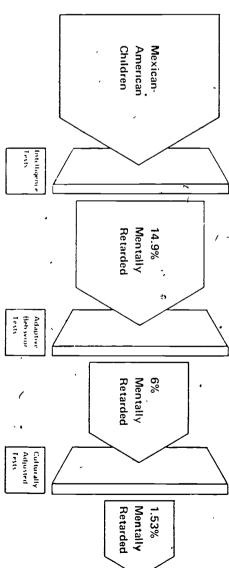
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How Has the Prevalence of Mental Retardation Been Studied?

A six-year long survey by Connecticut's Seaside Regional Center, using the Heber-AAMD definition of mental retardation, supports the one percent estimate. Of about 338,000 people in that region, only 2,587 persons, or 0.8 percent of the population, were diagnosed or had ever been diagnosed mentally retarded.

Additional support comes from the Grossman-AAMD definition of mental retardation (1973). The changes resulting from this new definition were shown in a Riverside, California study. Using the pre-1973 definition of Heber; prevalence among school age children was 3.47 percent. Using the new definition, it was 0.97 percent. Differences were especially striking when tests for Mexican-Americans in the area were changed to reflect cultural and social class differences.

Prevalence of Mental, Retardation in Mexican-American Children (California) Using Different Standards



Adapted from Mercer, J.R. Labeling the Mentally Retarded Berkeley, California University of California Press, 1973

20

Those children who were actually classified retarded in schools (and not all who scored retarded in the clinical survey were labeled) were much more likely to come from poor families than those who were eligible but escaped the label

14

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It should be borne in mind that while the Grossman-AAMD definition excluded the former "borderline" classification from the definition of mental retardation, it does not mean that such individuals are free from problems of learning and social adaptation or that they do not require appropriate supporting service

See references 24, 50, 77

What Is a Handicap?

There is no clearcut agreement among profes sionals as to what constitutes a handicap. Different agencies define the term according to their needs the Social Security Administration concentrates on employability, schools concentrate on educational performance.

The recently formed Office for Handicapped Individuals (OHI) of the Department of Health, Education, and Welfare defines a handicapped person as "——an individual who, because of a physical or mental disability, is at a disadvantage in performing one or more major life activities (including communication, movement, employment, education, socialization, and self care) "

Each of these major life activities is viewed relative to the abilities of a-non-handicapped person, and each must be taken separately. For example, someone might be unable to communicate/well but be perfectly mobile.

22

Mental retardation when diagnosed, is by definition a hands apping condition. Much more frequently than in the general population retarded persons have additional physical operational problems so the egough to constitute handicapping constitute than disapping constitute.

What Is the Prevalence of Associated Handicapping Conditions in Mentally Retarded Persons?

In a 1971 nationwide survey of persons (both in community settings and residential facilities) labeled mentally retarded, the following handicaps were found

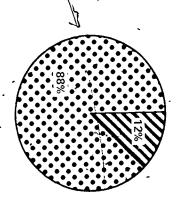
Prevalence of Other Handicaps (%) in Mentally Retarded Persons

| Ļ | trained, or foot trained | | | | training |
|----------|--------------------------------------|----------|-----------|----------|-------------------------|
| | Dependent on others, slightly toilet | 123 | 102 | 77.5 | Todet |
| _ | dangerous to self or others | | | | |
| | environment almormal behavior, | | | | emotional disorders |
| | Adjustment not possible in home | 63 | 35 7 | 58 1 | Behavior, |
| 1_ | or uncontrollable | | | · | (epilepsy, convulsions) |
| | Severe seizures partially controlled | 2 / | 151 | 82 3 | Serzures . |
| <u></u> | or legally blind . | | | | • |
| | Minimally sighted (uncorrectable) | 6.3 | . 6.02 | 73.3 | Vision |
| | hearing aid partial or no help | | | | |
| | Functionally or totally deaf. | 34 | 115 | 85 0 | Hearing |
| L_ | wants, but uses few or no words | | | | |
| _ | Can possibly communicate needs or | 21 5 | 33 4 | 45 1 | Speech |
| _ | eating utensits | | | | fine motor control |
| _ | Minimal use of hands, cannot use | 90 | 34 9 | 56 1 | Upper limbs, |
| <u> </u> | , complete lack of muscle control | | | | gross motor control |
| | Unable to hold large objects or | 82 · | 34 2 | 5/5 | Upper limbs. |
| | or totally unable to walk | • | | • | |
| _ | Able to take few steps with help | 9 9 | 32 4 | 57 8 | Ambulation |
| + | Description of Severe Handicap | Handicap | Handicap | Handicap | Func Ion |
| | • | Severe | Partial · | 2 | |
| L | | | | | |

Percentages may not add to 100 due to rounding

Adapted from Condition W., and Derr, K.E. "Survey and Analysis of the habilitation status of the Mental Resarded with Associated Han dicapping Conditions." Washington, D.C. Department of Health, Education, and Welfare, 1971

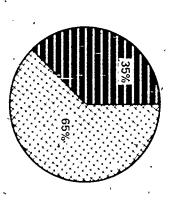
Additional Handicaps of Any Kind



Free of Additional Problems

With at Least One Additionally
Handicapping Problem

Additional Severe Handicaps



Additional Handicap
Free of Severe
Additional Problems



in Mentally Retarded Persons Prevalence of Chronic Organic Conditions (%)

| Percent | Chronic Organic Condition |
|---------|--|
| 68 9 | No chronic organic condition |
| 6 5 | Chronic upper respiratory problems |
| 8 0 | Djabi tes |
| 34 | Heart fish ase |
| 49 | Extreme obesity or severe chronic anemi |
| 21 | Cosm- ic handicah (tacial dist gurement) |
| 54 | Dental or orthodontic conditions |
| 1 7 | Cleft palate or oral deformity |
| 34 | Metabling and endocrane disorders |
| 29 | Skin disarders |
| ١ | Percent days not would look have purson |

sometimes had more than one condition Percentage does not equal 100 perause persons

persons called in ordering aboutably retarded" were The sample callyded 14,086 individuals Some

What Effect Do These Additional Handicaps

mentally retarded child who is not toilet participation in others. For example, the the inability to do one major activity may limit Handicapping conditions act cumulatively, i.e., trained is often excluded from special educa tion classes

brought under the same funding mechanism palsy, and other neurological handicaps. Supamong mental retardation, epilepsy, cerebral port for projects for all of these conditions was recognized that similarities and overlaps exist Disabilities Act was passed in 1969 It was In part because of this, the Developmental

this extremely important area to 70 percent. Again, information is lacking in cerebral palsied children have langed from 15 the presence of abilities, and they vary widely, e.g., estimmes of persons with two or more developmental dis-We have only estimates of the number of mental retardation among

24

, What About the Abilities of Mentally Retarded Persons?

handicaps show the prevalence and effect of additional Studies such as the one on the previous page

areas. There is also evidence that most retailded evidence that many mentally retarded persons positive and softsetting assets of retarded indiproticient in some areas, deficient in others viduals have been found. Yet there is clinical No definitive studies showing the effects of persons ljave highly variable "profiles," being have average or superior abilities in different

> gap in current knowledge. of mentally retarded persons represents a major The absence of information on the capabilities

See references 6, 22, 25

rence of Mental Retardation? What is the Goal of Minimum Occur-

said Stated as an objective for the nation it has been Simply deliqued, minimum occurrence of mental resultant prevalence, to the absolute minimum Cidence retardation means the reduction mental rétardation, of the inand the

of this century." retardation in the United Shates before the end "To reduce by half the accurrence of mental

Presidential Statement, November 16, 1971

What Are the Issues Involved in Minimum Occurrence of Mental Retardation?

causation and the application of preventive There are two major Issues the shocovery of measures

probable causes. stances deading development of retardation as to be considered and conditions so associated with the later known causes of merital retardation, or diseases strategies developed. There are more than 250 known, remedies can be solight and preventive With respect to, causation (etiology), if circumto mental retardation are

physical neglect and mistreatment of children development of mental retardation through social environment which may influence the influences of the physical, psychological, and And they include the slow, sometimes subtle include diseases, infections, accidents, and the biological, psychological, and sociological deter derived from heredity or physiology They include chromosomal-genetic influences minants of life conditions and development The causes cover the range of hereditary The)

incidence of mental retardation stated Parlier, Because of the problems; in estimating the tified causes is not yet Known that portion of incidence attributable to iden-

empirical discovery and its application Prevention depends on known etiology or

oping endespread availability and fise of cl can be reduced or nearly eliminated by devel factor retardation attributable to such causes ter shown in the instances of rubella and the Rh fective prevention technology Where knowledge is relatively clear cut, as will

> century cannot yet be assessed occurrence of mental retardation, progress to-Since there is difficulty in measuring the ward the goal of reducing it by half in this

See reference 50

Causes of Mental Retardation What Research Is Being Attempted on

À

centers, and the training of resease iscientists their full effort to seeking causes and remedies independent research not affiliated with these for mental retardation. NJCHD also supports through its Mental Retardation Branch, devote Health and Human Development (NICHD) sponsofed by the National Institute of Child Twelve Mental Retardation Research Centers

(DDD), the Burrau of Education for the Handi Maternal and Child Health Service (MCHS) Various other government Neurological Diseases and Stroke (NINDS) the Division among otkjers, help fund research on mental of Developmental and the National Institute on agencies - the Disabilitres

pethatrics, educing, osychology ology contribut University department, of genetics obstetrics regularly, to the starch for and soci

and the amou The range and is lume of the research Effort not known of Jublic, philanthropic,

Mental Retardation? What Means Are Available to Prevent

application. They can be grouped according to time of

Pre-Conception

- Genetic assessment to determine potential chromosomal-genetic risks in pregnancy, ;
- family planning strategies, Timing and spacing of pregnancies through
- bearing age, and Adequate nutrition for women of child
- Immunizațion

During Pregnancy

- Protection of mother and fetus againșt
- Proper nutrition
- Monitoring pregnancy through medical super-
- Use of amniocentess to determine the condition of the feeds in high risk mothers, and
- Parental chace of termination of pregrancy when amniocentes's confirms that the fetus is

At Delivery

Medical supervision of delivery in a hospital,

- Screening for conditions causing mental risk, and taking indicated remedial action, tardation to determine newborn children at
- Protection of globulin within 72 hours of delivery, and mothers with gamma
- Intensive care of children who are born ill or premature

Jn Early Childhood

- Proper nutrition for nursing mothers and for infants and very young children
- Dietary management of metabolic conditions leading to mental retardation,
- Removal of environmental hazaids such as lead-based painst; and
- Early social stimulation and education for mental retardation (to lessen handitaμ): vention) and for children, who exhibit early developing mental retarcation (for preinfants and young children who are at risk of

lessen their occurrence and what is being done, or can be done, to conditions associated with mental retardation, This chapter discusses selected diseases and

20

See references 54, 93, 101

What Is Meant by Chromosomal Genetic Causes of Mental Retardation?

Each cell in the body contains 23 pairs of chromosomes containing the genes which are the biological elements that transmit characteristics from one generation to the next. The chromosomes and their genes are inherited equally from each parent and when combined in the cells of the child constitute what the child has inherited from his or her parents. The chromosomes and genes plus the influences of the cavironment determine how one looks teel, and behaves

The chromosomal composition of a typical celt is referred to as a karyotype which is illustrated by the accompanying diagram. Microscopic examination of achion osomes in a specific cell of a living person, when the chromosomes are inspecting person, when the chromosomes are arranged in a specific order as illustrated by the karyotype permit determination of differences from the normal or so called chromosomal anomalies.

These errors may be the absence of part of a chromosome or in entire chromosome, the presence of more than the normal number of chromosome, or the exchange of parts of chromosome, from different pairs. Occasionally, normal endividual, as found to have an exchange (translacation) of material between to end or shomosomes. He anomaly is a chee to defects which may occur in children bases to such individuals and forms the bases of contributions of problem, such as mersal estandation.

different up of her life. He ever not

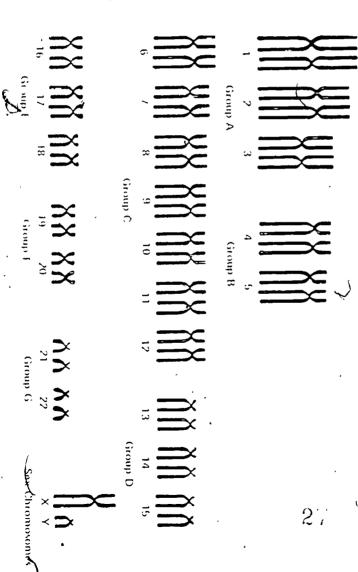
parents of Ahldren with chromosomal abnormalities show normal karyotypes in every respect.

Defects attributable to chromosomes and genestrange from those based on a single gene to those that are polygenic (maily genes involved). Only chromosomal disorders can be diagnosed from analysis using karyotypes.

It is estimated that in the United States one child in every 150 to 200 live births has a major single gene or polygenic anomaly, and a Larger number have minor anomalies. The relationship of these anomalies to mental relatedation is not clearly understood.

See references 31, 59, 60-74, 78, 102, 106, 113

Diagrammatic Refresentation of Chromosomes, Normal Karyotype



1.11. (1.27) The contract of the A - AAge is a report and O se are post

What Is Down's Syndrome?

with the presence of an extra chromosome onstrate that Down's syndrome is associated retanded couldren who had a characteristic facial reported in 1866 on a number of mentally common form (trisomy 21) is rarely inherited drome have been identified, but by far the most (some hereditary) resulting in Down's syn Since then, other chromosomal rearrangements appearance. Not until 1959 did Lejeune dem Segum and is named after Langdon Down, who Down's syndrome was discovered in 1844 by

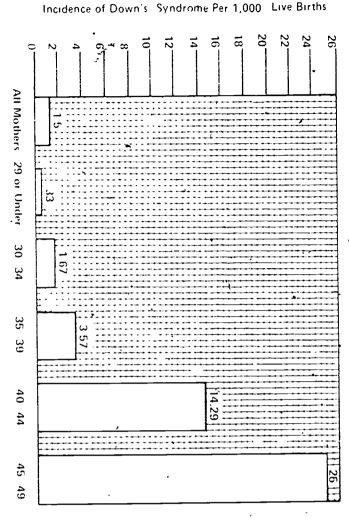
been identified. Not all signs appear in all cases More than 50 signs of Down's syndrome have

muscle tone characteristic facial appearance abnormalities of the heart and the eyes, and low bridged nose, protruding tongue), frequent moderate to severe mental retardation poor upper respiratory infections (upward stanting eyes, small round head, small the major characteristics of the synchome are 2 ں

How Many Children are Born with Down's Syndrome?

A child with Down's syndrome is born once in every 600 to 700 are briths. Of the major types of Down's syndrome, by far the most common is trisomy ,21, or the presence of three instead of the expected two #21 chromo somes. For trisomy 21 the most important associated factor is mother's age at conception, as shown in the following chart.

increasing Risk of Down's Syndrome, in Live Births, by Maternal Age (Trisomy 21)



Maternal Age at Conception

Disciplinary Approach, New York Adapted from Noch R and Dobson Brunner Mazel Inc. 1971 T The Nentally Returded Child and His Family A Multi

2J

The number of newborn infants with Down's syndrome reflects only a small percentage of the number of thisomic children conceived Most are spontaneously aborted

A suggested reason for the greatly increasing risk of Down's syndrome with increased material nall age, is the increasing susceptibility to damage of egg cells in the mother. The total number of eggs are present at the mother's birth, and over a period of years are reduced in number and exposed to physical and chemical effects that may cause chromosomal damage.

Some other factors that have been associated with increased risk of Down's syndrome are pre-ovulation exposure to radiation and off-riccurses of mutation, repeated abortions and poor spacing of pregnancies, but no causative influence has been demonstrated. Bisk may be somewhat increased for mothers who have already borne one Down's syndrome chald, regardless of maternal age.

See references 60, 66, 88, 106

How Can Genetic Counseling Help' Prevent Mental Retardation?

Genetic counseling is a recent and increasing approach to prevention of mental retardation and related defects. Although occasionally offered by a physician acting alone, it usually involves a multidisciplinary team, including research scientists, psychologists, social workers, and public health nurses as well as physicians

Chromosomal analysis and other examinations (including taking a family history) help determine if there are increased risks; that is, if either or both parents carry the abnormal genes for a severe problem, or if environmental factors pose an increased risk

A larger number of defects can be determined during pregnancy through ammiocentests. This is a procedure which was developed in the late in nineteenth century, but has had extensive use only in the last ten years.

A needle is inserted in the amniotic sac that surrounds the developing fetus and a small amount of fluid is obtained. Fetal cells in the fluid can then be analyzed to determine the chromosomal make-up of the fetus. In about 95, percent of the cases where amniocentesis is used it serves to detect chromosomal errors.

In addition, about 60 genetic-metabolic errors can be diagnosed by this procedure, combined with appropriate -testing of the cultured amniotic cells. These disorders are individually and collectively rare, and account for well below 0.1 percent of diseases of newborns

See references 31, 39, 66, 93, 108, 120

Genetic counselors usually review diagnostic and historical information with prospective parents and estimate the risks of their having a defective child. They attempt to help parents understand the probabilities and the alternatives facing them.

centesis that their child will be defective may selor and the parents. For most high-risk elect to have and keep the baby or they may nation of pregnancy for fear of having a confirmation, parents might undergo a termi mation that the fetus is normal. Without such parents the examination can provide confir chance of their being normal may decide to have other children, with a good may elect to terminate the prequancy such as placement for adoption Still others begin considering alternative plans after birth, normal retarded child when in truth the child would be Ammocentesis is of special value to the coun-Others discovering through amnio-They

Funding for genetic counseling is provided by government programs including family planning programs and CHAMPUS, the medical services program, for Army families, by Health Maintenance Organizations and by some medical insurance plans

As of March, 1974, there were 2/4 centers across, the United States providing genetic counseling As of August, 1974, four Blue Shield (medical insurance) plans covered genetic counseling California, Richmond, Virginia, Washington, D.C., and Florida

See references 31, 45, 84

24

Some MR—Related Conditions Detectable by Amniocentesis

Tay Sachs disease
Maple Sugar Urine disease
Glycogen Storage disease
Gangliosidosis
Hurler's syndrome
Sanfilippo syndrome
Lesch-Nyhan syndrome
Galactosemia



It was discovered in 1934 (Folling). Its major signs are mental retardation (severe or moder ate), fair hair and skin (in Caucasians), eczema, hyper activity, and 'musty' body odor.

tts control and elimination from 1965 to 1967. 44 states enacted legislation making PKU screening of newborn infants mandatory.

PKU

Its identification in the early 1960's an in expensive externing text for newborns was developed (Guthrie Text). Blood collected on filter paper is tested and reveals the existence of PKU.

Its means of genetic transmission of each parent carrier one PKU and one normal gene parents will be unaffected and each child of theirs will have one in four chances of having PKU. Persons with PKU can reproduce and transmit the error. PKU follows the partern of a recessive gene disorder.

Its treatment in the mid 1950's initial success with dictary treatment PKH means body cannot metabolize phenylalanine a necessary naturally occuring amino and (protein) Early removal of phenylalanine from the diet of a

What Are the Inborn Errors of Metabolism?

Phenylketonuria (PKU) is the prototype of these gene-ically-based diseases. Its incidence is estimated as one in every 14,000 live births in the Caucasian population. Its history is described in the figure to the left.

In the eleven years from 1964 through 1974, Texas performed 1,433,386 tests in its PKU Screening Program, found 387 suspected cases, and confirmed PKU in 72 of these suspected cases. The total cost of the program during this period was \$707,650.

Despite some risks, dietary treatment of newborn infants with confirmed PKU has prevented brain damage which could result in lifetime care costs far greater than the costs of screening.

Screening may produce some "false positives," i.e., a child without the disease may show positive results on the test. Persons who do not have PKU can be harmed by the rigid, carefully regulated diet, 'and some children develop poorly despite good dietary regimens. It is still not known precisely how long a child should be kept on his diet.

32

In 1970, 69 percent of infants through the United States and Canada four days old and younger we're screened for PKU.

PKU child helps in some cases to prevent brain

Minage

See references 29, 44, 55, 64, 66, 93, 101, 103, 108

How Is Tay-Sachs Disease Related to Mental' Retardation? Is It Preventable?

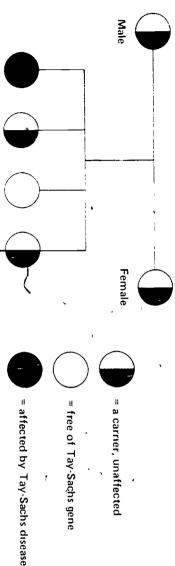
Tay-Sachs disease, another inborn error of metabolism, is the early infantile form of a class of diseases known as sphingolipoidoses: This means that the body cannot assimilate certain fats. The disorder was identified in 1881, when it was called "early amaurotic idiocy."

Tay-Sachs disease can be avoided if, after genetic studies, there is prevention of pregnancy, or termination of pregnancy where the fetus is found defective.

For a child born with Tay-Sachs the disease is universally fatal, usually by the third year of life.

The genetic transmission of Tay-Sachs disease follows the same pattern as PKU. The only time Tay-Sachs is transmitted is when two carriers have children. The possible genetic makeup of their children is shown by the following diagram.

The Possible Outcomes of Children Produced by Male and Female Tay-Sachs Carriers



 Adult carriers of Tay-Sachs genes ean be detected through a blood test for a specific enzyme (Hexosaminidase-A)

33

- Tay-Sachs occurs almost exclusively in families of East-European, Jewish background.
 About one Jewish couple in 900 is at risk of having a Tay-Sachs child.
- Tay-Sachs can be detected in the fetus by amniocentesis.
- If each parent has one Tay-Sachs and one normal gene, chances of their child's having the disease are one in four

A voluntary screening program in Washington, D C and Baltimore, reported in 1974, demonstrated the possibility of reaching thousands of persons to screen them for this defect.

Results of Voluntary Screening Program for Tay-Sachs

| "At Risk Couples" Identified | Camers Identified | Subjects Tested 3 | Population . |
|------------------------------|-------------------|-------------------|--------------|
| = | 315 | 6,938 | Findings |

Adapted from Kaback, M, et al "Approaches to the Control and Prevention of Tay Sachs Disease" In Progress in Medical Genetics. Edited by A G Bearn and A G Steinberg New York Grune and Stratton, 1974

The cost for screening averaged a little over \$4.00 per person

See references 44, 62

How Mental Retardation? the Rh Factor Related to

cells, was first noted in the newborn in 1609 muscle movements and deatness About 75 infancy or results in mild to severe mental due to yellow jaundice, leads to death in early symptoms are dropsy (hydrops), jaundice as erythroblastosis fetalis. Among its signs and neonatal period percent of infants with kernicterus die in the retardation, seizures, spastic or involuntary of erythroblastosis marked by brain damage (icterus) and anemia. Kernicterus, a severe form Now, over 350 years later, scientists refer to it Hemolytic disease, destruction of the red blood

antibodies are transferred to the fetuses in the mother's subsequent pregnancies via the plaand early neonatal period. centa. The hemolytic disease occurs in the fetal the red blood cells of their later children' The some mothers to form antibodies and destroy the discovery of the Rh factor which causes In 1940 a cause of this disease was found with

been tried A number of remedies for erythroblastosis have

- heavy doses of oxygen during and after labor
- early induction of labor,
- injections of Rh Hapten, a substance/hoped
- partial or complete transfusions of blood to
- in recent years partial or complete trans tusions of blood before birth

successful in treating erythroblastosis In most cases the complete transfusions were

> in this manner Postnatal injection of the abortions may result in formation of antimunization of some mothers, and unrecognized since it was possible to prevent erythroblastosis bodies jection, as critical, it is possible to miss imdangerous antibodies. The timing of the ininitial sensitization and the formation of the mother after birth of her first child prevents injections for the mother were most effective Finally, it was found that Rh gamma globulun

34

About 85 percent of the population is Rh-positive (Rh+). This genetic factor is dominant. If an Rh+ male and an Rh negative (Rh-) female conceive a child (and this is the only time that the Rh factor creates problems), there is either a 50 percent or 100 percent chance that the child will be Rh+, depending on the genetic constitution of the father. The antibodies formed against this factor may cause death or severe brain damage to the children of later pregnancies. The injection of Rh gamma globulin prevents this possibility.



It is estimated that in 1970, before the preventive injection was available, 20,000 infants'a year were affected by diseases stemming from the Rh factor.

In 1973, it has been estimated that 80 percent of women at risk were protected after delivery. The percentage of protection was much lower in cases of abortion, where the risks to future children gemain the same.

until 1941 that the dangerous effects of mater disease, has been known since 1815, it was not Australian ophthalmologist nancy were described by Norman Gregg, an nal infection during the first months of preg-Although rubella (German measles), a viral

alive with multiple defects, or, on the other affected mothers might be stillborn, or born quences of congenital rubella. Children of percent developing child was estimated at over 50 pregnancy, however, risk of damage to the hand, be unaffected. In the first nine weeks of He found varied and unpredictable conse-

affected by congenital rubella are Frequently occurring signs in children

microcephaly and/or mental retaiglation

30

- congenital heart disease
- low.bit th weight
- deafness or hearing impairment
- cataracts
- glaucoma
- enlarged liver and/or spleen
- "blueberry muffin" rash

dation can range from mild to profound When present, the severity of mental retar-

See references 26, 44, 118

How Is Rubella-Related Mental Retardation Prevented?

Since 1969, when the rubella vaccine was licensed, it has been possible practically to eradicate the effects of this disease.

It has been estimated that during the last major epidemic of rubella in 1964, 20,000 to 30,000 infants were born with multiple defects of congenital rubella, many of them mentally retarded. However, during 1970, a non-epidemic year in Los Angeles County, California, the incidence of congenital rubella was one in 10,000 live births. Since only a portion of those affected suffered neonatal death or handicap, this record indicates that rubella as a cause of mental retardation can be kept very low.

The national Center for Disease Control of the Public Health Service has recommended that in order to prevent another major epidemic, all children under the age of puberty should be immunized, or have a history of the infection which creates its own immunity.

Percent of Population Protected Against Rubella, 1973

| . 1-4 5-9 | Age Group |
|--------------|----------------------|
| 12.8 25.1 | Hjstory of Infection |
| 55.6 64.9 | History of Vaccine |
| 62.4 77.9 | Infection and/or |

Adapted from U.S. Department of Health, Education, and Welfare U.S. Immunization Survey, 1973
Atlanta, Georgia Public Health Service, Center for Disease Control, 1974

Women of child-bearing age are not at the most suitable age for vaccination, since the vaccine may cause harm if they are pregnant at the time. To take account of this, the level of vaccination of children would need to increase in order to protect the nation against another major rubella epidemic. Three major outbreaks of rubella were reported in Colorado during

How Are Prematurity and Low Birth Weight Related to Mental Retardation?

Prematurity and low birth weight are by far the most important obstetrical problems in the etiology of mental retardation and are regarded as serious threats to a favorable prognosis for the child:

A study in Denver of low birth weight and premature children, reported in 1972, demonstrates the increasing risk of handicaps with decreased gestation time and/or decreased birth weight

Incidence of Moderate to Severe Handicap in Relation to Gestational Age

| | | 91 | Total |
|-----|----------------------|-----------------|----------------------------|
| 30 | 7 | 23 | 32-34 |
| 54 | 19 | 35 | 29-31 |
| 64 | 21 | 33 | 28 |
| . % | No. with Handicap | No. Examined | Gestational Age (Weeks) |

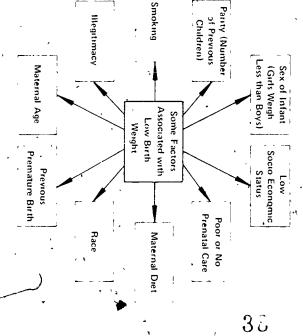
| Total | 1,350-1,500 | 1,150-1,350 | 950-1,150 | 950 | Birth Weight (Gm.) |
|-------|-------------|-------------|-----------|------|----------------------|
| 91) | 26 | 32 | 20 | 13 | No. Examined |
| - | 9 | 13. | 14 | 11 . | No. with Handicap |
| | 35 | 41 | 70 | 85 | % |

Incidence of Moderate to Severe Handicap in Relation to Birth Weight

Adapted from Lubchenco, L.O., Delivoria-Papadapolous, M., and Searls, D. 'Long-term Follow-Up of Primature Infants, II'' The Journal of Pediatrics, 80 (March, 1972)

Studies of premature and low birth weight children show that risk of severe handicapping conditions increases sharply when gestation the is reduced or when birth weight is much less than 2,500 grams five pounds, eight ounces) The children studied here had many different handicapping conditions. Cerebral palsy and mental retardation were frequently found.

The factors below help determine "high risk" mothers



Prematurity Gestation time of less than 37 weeks

Low Birth Weight Weight at birth equal to or less than 2 500 grams

See references 71, 102

How Does Maternal Nutrition Affect the Occurrence of Mental Retardation?

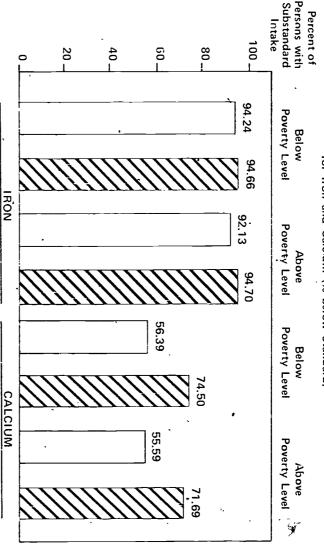
There is only informed opinion on this subject at this time, but no conclusive information. For example, the following statements were presented in testimony to the Select Committee on Nutrition and Human Needs of the United States Senate in 1973:

"An association exists between maternal nutritional status prior to pregnancy and birth weight in poor populations"

"The larger the number of smaller infants, the greater the chance of mental retardation"

"Feeding a better diet during pregnancy increases maternal weight gain, birth weight, and, therefore, should decrease mortality and the incidence of retardation"

Nutritional Status of Women Ages 18-44 for Iron and Calcium (% below Standard)



White

Non-white

Adapted from US Public Health Struce, First Health and Nutrition, Examination Survey, United States, 1971-1972. Dietary Intake and Biochemical Findings Washington, D.C. Wearth Resources Administration, 974.

women of child bearing age Calcium deficiencies, while not as pievalent, still occur in more than half of all women, and are greater among non-whites, regardless of income level

The United States Department of Agriculture operates, a Supplemental Food Program, still is the pilot stage, and a special Women, Infants, and Children (WIC) Program aimed at supplementing the diets of poor families. Of the 4.6 million women and children potentially eligible for assistance from these programs, less than half a million are being helped.

See references 105, 117, 126.

| 1973* 176 \ 15.2 | 1970 20 0 , 17.8 | 1980 260 22.9 | 1950 29 2 26.8 | Year Total White Al | United States per 1,000 Live Births | |
|------------------|------------------|---------------|----------------|---------------------|-------------------------------------|--|
| 28.8 | 30,9 | 43.2 | 44.5 | All Other | | |

^{*1973} infant mortality figures are based on a 10 percent sample.

Adapted from World Health Organization World Health Statistics Report. Vol. 27, nos 3-4. Washington, D.C. World Health Organization, n.d.

| , | | significantly lower rates. | Some other countries have | Infant Mortalit |
|--------|---------|----------------------------|---------------------------|--|
| Sweden | Iceland | Finland | Country | Infant Mortality in Some Other Countries 1972 |
| 10.8 | 11.6 | 11.3 | Rate | r Countries, |

Netherlands

What Do Infant Mortality Rates Tell Us About the Occurrence of Mental Retardation?

Infant mortality is an indicator of a population's reproductive health and the number of persons who can be expected to have congenital anomalies. As indicated in the table below, the nation has made progress in reducing infant mortality rates, but the rate for non-whites is still almost double that for whites. The rate in the United States is substantially above that of some other countries

Maternity and Infant Care Projects of the Maternal and Child Health Service have helped to reduce infant mortality rates in Baltimore, from 30 0 (1964) to 20 4 (1972), in Denver, from 28 1 (1965) to 17.3 (1971); in Augusta, Georgia, from 38.8 (1964) to 22.8 (1970). These lates were achieved through providing prenatal care to expectant mothers, at high risk

40

There are urban and rural areas in the United States today where 30 percent of pregnant women never see a physician until delivery.

infants was 53.4 for those born outside hos pitals, and 18.4 for those delivered in hospitals

In Oregon, in 1973, the death rate among

See references 118, 121

Does Malnutrition in Children Cause Mental Retardation?

While there is no clear cut proof that malnutrition by itself causes mental retardation, the available evidence, from areas with severe nal nutrition, provides strong indication that this may be the case

Malautrition is thought by many to be just as much a problem for children as it is for their mothers. Although the recently conducted Health and Nutrition Examination Survey has not completed its analysis, preliminary findings show that among children aged one through five, the intake of four major nutrients is very low.

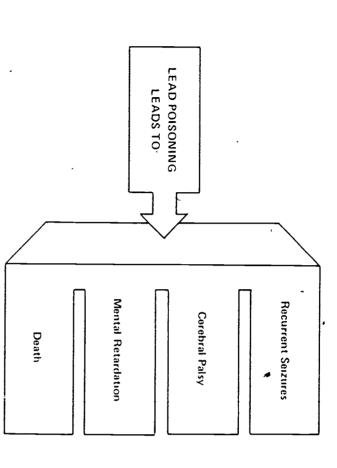
Nutrition levels are not always consistently related to either race or poverty

Low Nutrient Intake in Children, by Race, Ages 1-5, 1971-1972

| | Below Pov | Below Poverty Level | Above Pov | Above Poverty Level |
|-----------|-----------|---------------------|-----------|---------------------|
| | | | | • |
| Nutrient | White | Black | White | Black |
| Calcium | 14 42 | 35.26 | 12 14 | 24 96 |
| Iron | 94 46 | 93 61 | 94 88 | 95 29 |
| Vitamin A | 51 51 | 46 07 | 36.91 | 51 01 |
| | 58 23 | 48 54 | 42 82 | 52 91 |

Dietary Intake and Biochemical Findings Washington, D.C.: Health Resources Administration, 1974 Adapted from U.S. Public Health Service. First Health and Nutrition Examination Survey, United States, 1971-1972

Intake of less than 1,000 calones in the previous 24-hour period was reported for more black than white children in that age group. Evidence also indicates that poor nutrition in youth adversely affects later reproductive performance.



What Is the Relaxion Between Lead Poisoning and Mental Retardation?

Young children often put inedible things in their mouths. In older residences where lead based paint remains on walls, children eating flakes of paint are in danger of suffering irreversible brain damage.

There is growing evidence that lead poisoning, long thought to be a problem mainly in urban slums, may be a danger to middle class children as well

- In a survey of 14 filmors communities, more than one in six children ages one through six, from all sacio economic levels, had elevated blood lead levels. Fifty one of the 6,100 children studied had definite cases of lead poisoning.
- A recent report from Boston showed that in C? certain neighborhoods which receive their water through lead pipes, there are noticeable quantities of lead in the drinking water supply

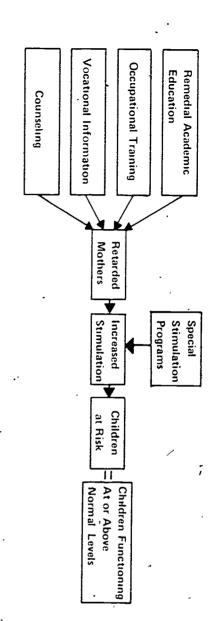
There is conclusive proof that lead poisoning is a major health hazard in urban areas

 During a four month screening period in 1972, about 50 percent of newly screened children in Washington, D.C.'s lead poison ing screening program, based at Children's Hospital, had blood lead levels in the abnormal range

See reference 118

What Is Meant by Socio-Cultural Mental Retardation?

Observations that mild mental retaidation occurs more frequently among poor and disadvantaged families led to study of cultural factors. It has been suggested that circumstances of poverty, lack of developmental stimulation, and differing cultural values combine to produce this form of mild retardation, characterized by recurrence in families and no physical or medical signs. An undentified polygenic hereditary factor is not ruled out.



What Can Be Done to Prevent Socio-Cultural Mental Retardation?

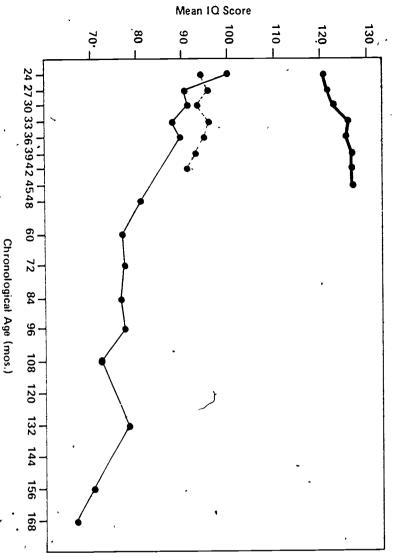
In the Milwaukee Project, begun in 1967, Rick Heber and his associates began by identifying, among the mothers of new-born infants, those who were "mentally retarded" (those having an 10 under 80). They worked intensively with these parents and their newborn children in hopes of preventing intellectual deterioration, relying heavily on methods of social stimulation.

By 1974, results clearly exceeded expectations. The project reports that the children in the experimental group are functioning significantly above their age norms. Children in the control group, whose parents have not participated in the program, have begun to show signs of mental retardation

4.

See references 53, 54

Experimental, Control and Contrast Group IQ Scores from the Milwaukee Project



All children initially had the same I Q level. The above chart reflects the findings after 24 months in the project. The experimental group is the group of children involved in the program. Control group children have begun to show declining intelligence scores, a result which follows the traditional pattern in the Milwaukee area being studied. This is represented to the project of the project

Adapted from "MR 71 Entering the Era of Human Ecology" Washington, D.C. President's Committee on Mental Retardation, 1972

sented by the contrast line, which shows deteriorating IQ scores among school-age bhildren.

Experimental
 Control

Contrast (Baseline Evidence)

Introduction

One of the goals of the President's Committee on Mental Retardation is adequate, humane service systems

- Services are activities designed to meet human needs
- Systems are arrangements of policies, resources, and processes by which services are provided to consumers in a systematic fash ion. The systems concept includes not only the detailed procedures for providing services, but also the complex network of interielationships among private and public resources that make service delivery possible. Further, it includes a definition of the mea sures that will be used to evaluate services and provision for maintaining standards of quality.
- Adéquate refers to the extent to which service systems
- Substantially fulfill the needs of individuals who seek help from them
- Provide for the aggregate of human needs expressed by consumers and service providers in the community
- Humane service systems embrace the following qualities as expressed by the President's Committee
- Respect for the dignity of the individual
- Freedom of choice among adequate ser vices
- Assurance of the individual's right to have and keep personal belongings
- Encouragement of the individual to be active, rather than mactive or passive

- Support for every individual's need to belong to the interdependent with) some one else
- Help to the individual so that he may feel his life has meaning and purpose

according to the diagram on this page. The purposes of this publication, at is classified social, educational, economic, residential moves through a hierarchy of needs moves from dependence to independence, he diagram suggests that as a handicapped person tems can be-presented in many ways. For the Information on adequate, humane service sys manifest in the need area of residence as the dependent status. The requirement of care within each need area, from a more to a less diagram indicates. dotted line), implies dependence and is mos-(represented by the area to the left of the physical and

Dependence

This hierarchy refers to needs felt by all people and, thus, reflects services that can be provided around those needs Every person, at some time in his or her life, requires assistance in meeting these needs. The steps in the diagram imply that certain needs must be met before a person will be able to acquire the skills needed to move upward in the process of achieving independence in living.

Daya on the pages in this section reflect what is now known and not known about services to meet the physical, social educational, economic, and residential needs of persons who are mentally retarded

Needs of All Persons

40

RESIDENTIAL NEEDS

-a place to live-provision of careECONOMIC SUPPORT
-an income-personal possessions and resourcesbelonging to someone-activity and development
PHYSICAL

PHYSICAL

PHYSICAL

Adapted from Santamour, M., and Ross, K. "Defining the Problem of Mental Retardation: A Functional Model." Paper presented at Region X AAMD Meeting 1969.

What Is the General State of Information about Services?

In a discussion of services, one fact is paramount. There is a serious dearth of valid and reliable information through which to present an accurate picture+of the state of services for mentally retarded people

Some problems with available information arise from the confusion over the definition of mental retardation. Some agencies still use the old AAMD definition, some the new one, and still others do not define mental retardation at all. For the most part, statistics lack comparability.

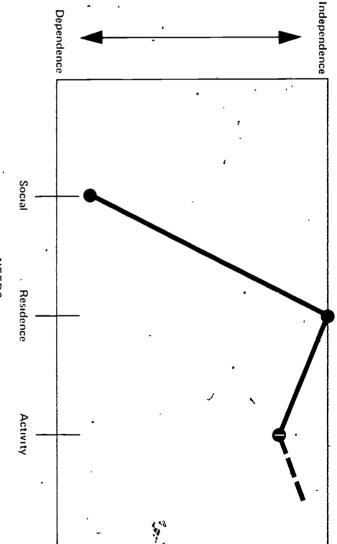
In many instances, persons served are not identified according to disability (e.g., mental retardation, cerebral palsy), and available data are merely estimates, based on varying opinions. This brings into question the validity of the information. For example, the number of mentally retarded persons in public assistance programs can only be estimated. A related problem is reliability of information Do different persons in an agency, using the same criteria, report the same information?

Perhaps most critical among these problems is the fact that current statistics are rarely available on a national, regional, or even statewide basis. In Fiscal Year 1975 many agencies are still analyzing information from 1971 or before, if they keep information at all. Lack of up to date information is a problem.

Concern with services for mentally retarded persons centers on two elements those services that all people, including retarded people, require (generic services) and those special services designed to meet the special needs of individuals who are mentally retarded and have related handicapping conditions

Not all mentally retarded persons require special services. On the other hand, "normal" persons often cannot get by with "normal" services alone. An individual's ability to meet his or her needs is dependent on many factors. Among them are age, socioeconomic status, geographic location, ability to get to needed services, and ability to enunciate one's needs, or have jits done by a qualified spokesman.

Taking these and other factors into account, it is possible to plot the relative dependence or independence of a particular person in meeting a particular need



NEEDS

For example, take the situation of a child who is mentally retarded, attends special education classes in public school, and spends most of his spare time at home watching television. He is in a relatively "normal" residential setting, has the opportunity to participate in an age-appropriate (although "special") activity by going to school, but is, not having his social needs (friendships, etc.) met adequately. His greatest need for services would appear to be in the social area. Such needs profiles can be extended to other needs such as health, income, family relations, employment, etc.

of handicapped persons with others, especially dependence of the individual manner possible. Both aim for maximum inrestrictive setting, in the least stigmatizing provision of specials assistance in the least in public schools. Both ideas center on the pears to be a definite trend toward integration application is limited. Nevertheless, there apattacked. Research on success or failure in their ciples have been vigorously championed or Both normalization and mainstreaming prinmainstreaming, which means the integration of did not have a handicap. A related idea is to that which would be expected if the person person with a pattern of life as close as possible experiences for providing the mentally retarded Scandinavia, is a cluster of ideas, methods, and The theory of normalization, developed in the same service structures whenever possible. handicapped and non-handicapped persons in

What Services Are Required to Meet the Health Needs of Mentally Retarded Individuals?

Health services are of major importance for persons who are retained because many of them also have other handicapping conditions. Health care is provided through the following types of program or funding.

- Public mental retardation or mental health agencies such as residential institutions, community mental health centers, and day care centers
- Medicaid Federally assisted State programs for financing health care of public assistance recipients and certain others
- Medicare Federal Social Security medical care programs for persons 65 years of age and older or their children permanently handicapped prior to age 22
- Head Start Federally supported pre school educational, health, nutrition, and parent education program
- Follow Through early school follow up of Head Start children
- Public Schools health services for children and youth with special needs
- Maternal and Child Health Service Clinics
 Federally supported local "well-baby" clinics
- Crippled Children's Services Federally supported State-operated clinics for children and youth with a wide range of physical and megatal impairments
- Maternal and Infant Care Projects Fed erally financed pre-natal care delivery, and post parturn services for women in high risk groups, such as the poor and uneducated

- Children and Youth Projects Federally financed comprehensive health care for children and youth in high risk groups
- Developmental and Evaluation Clinics Federally financed special projects for the diagnosis and evaluation of mentally retarded persons.
- Private practitioners such as physicians, dentists, psychologists, social workers, nurses, counselors, and physical therapists

The health strategy with the most impact on costs and benefits is the prevention of mental retardation, which was discussed in the previous section.

One of the most important factors leading to institutionalization of mentally retarded persons is the accompaniment of additional physical and medical handicaps. The need for long-term management of these conditions has not generally been available in outpatient facilities, and community hospitals are not equipped for long-term patients. Frequently, there is denial of remedial, corrective medical and dental services because of the belief that mentally retarded persons do not benefit.

No national data are available on the types of medical services, extent of coverage or the cost of providing medical services in public and private residential facilities for mentally retarded persons. These facilities are responsible for health care to the largest identifiable group of mentally retarded citizens. This health care has been shown to be seriously compromised by lack of sufficient adequately trained personnel, unsanitary conditions, disease of epidemic proportions, and medical experimentation on residents in many institutions, so that residence in some institutions has been called a health hazard.

See references 40, 118

Federally Supported Health Services for Mothers and Children through the Marernal and Child Health and Crippled Children's Programs

| | | | \$235.619.000 | | and the delivery |
|-------------------------------------|---|---|--|--|---|
| 2 | | Use of Deferent Levels of Health Personner | \$ 6.035.000 | Example the modern to the detection of t | >r 10 €1.2 |
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| 512881 · Provisignali | | All Crippling Con d tions in Children | 564 900 ñ00 | France Company of | Section vitil |
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| Number Served | Known Gaps | Special Focus | Funding Level Fiscal Year 1973 . | Program | Authorization Social Security Act Title V |

VA Not Available

Among highlights of these programs, 156 mental retardation clinics (child development clinics) were supported totally or in part under the Crippled Children's and Maternal and Child Health Programs. In 1972, 316,407 children were seen The major service provided, which was diagnosis and evaluation of suspected mental retardation, resulted in a confirmed "diagnosis" in about 70 percent of new patients, but removed the label of retardation from 31.4 percent of all children seen.

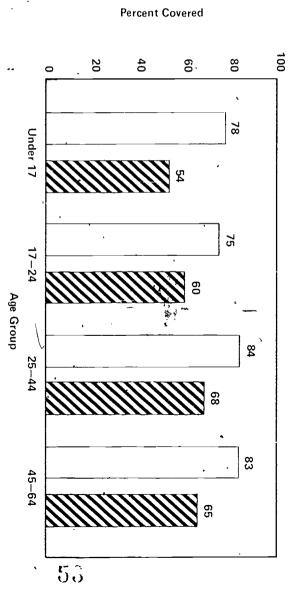
The most prevalent health problem among children is dental disease. There are no exact data available on the extent of the problem of the availability of dental services for mentally related children and adults.



Home-health services and public health nursing services are two significant health measures which, in enabling families to deal with special medical or management problems, can minimize the need for residential care outside of their homes. More States are moving to the "purchase of service" concept, which enables mental retardation, developmental disabilities, public health, or public welfare agencies to provide these specialized services in heal of care in large state institutions for retarded persons

Since insurance guarantees the financial means for securing service, one indication of the adequacy of health services is the extent of insurance coverage in the population it was shown earlier that mental retardation is most prevalent among low income and minority groups. These same groups have a record of the lowest health insurance coverage.

Percent of Persons Under 65 Years Old with Health Insurance, by Race and Age, 1970





Of children under 17 with family incomes under \$3,000 per year, less than one in four? was covered by health insurance.

See reference 118

Persons with Social Relationships? What Services Provide Mentally Retarded

provided by the following types of services Opportunities for social relationships

- Pre-school and public school general so-
- are moving toward more independent living Group-residences - generally for adults who
- and YWCA with full membership privileges Boy and Girl Scouts of America have specia Membership in youth activity groups - The Handicapped persons have joined the YMCA troops for mentally retarded individuals
- Membership in churches and church schools classes tions. Some provide special church school locate retarded persons in their congrega Some are making an outreach effort to
- tally retarded. The most notable is Foster encourage volunteers to work with the men Federally sponsored Volunteer Programs - A approximately 15,000 mentally retarded chil citizens to work on a one-to-one basis with Grandparents (FGP) which enables senior number of Federally sponsored programs

Other significant programs include: University Year for ACTION (UYA) Volunteers in Service to America (VISTA) Retired Senior Volunteer Persons (RSVP)

Special social clubs for the mentally retarded Program for Local Service (PLS)

many communities They exist or are being formed now in

- Public and private recreation agencies, in citizens cluding the Federal Parks system - Some provide special programs for retarded
- accomodate handicapped persons Attendance at summer camps adults have been established camps specifically for retarded children and regular camps are physically designed to Other
- Youth NARC (a branch of the National persons their age through a variety of service programs teenagers and young adults befriend retarded Association for Retarded Citizens) - 40,000
- Places of employment Jobs bring many retarded people into contact with others.
- grams which stress socialization as well as Citizen advocacy programs - volunteer pro representation for mentally retarded persons

services gaps. There are transportation and other physical barriers which often prevent access to retarded citizens are available, there are many Although some programs for socialization of

services available to a handicapped population not yet accept responsibility for making their information, is that many existing agencies do A further problem, as shown by the following

icantly limited for retarded persons dicated that "mainstream" services are signifan area to present a generalized pattern, in persons. The results, although from too small in 1970 to see if they served mentally retailed Three kinds of generic agencies were surveyed

| - | D0 | o you ser retarded | Do you serve mentally retarded persons? | ally | What p | roblems v | What problems would you have in serving mentally retarded persons? | have I |
|---|------|-----------------------|---|---------------------------|--------|-----------|--|-------------------------|
| Agencies | Yes | 20 | Don't Know | Don't No Know Response | None | Manago | Time Acceptance Manage Required By ment to Serve Others | Accepta By Others |
| Guidance and | | | | • | | | | |
| Counseling Climes | 44°, | 53°, | 34. | , 0% | 100% | %0 | ٠ پر | 300 |
| Religious Programs Social or Recreational | 38', | 4/% | 6% | 9% | 48% | 0% | 8% | 18% |
| Agencies | 22°5 | 63% |] ;e | 4°6 | 93% | 7% | 0% | o, O |

(Problems were primary ones, since same others were mentioned, percentages do not always add up to 100%.)

Retardation, 8 (December, 1970) for the Mentally Retarded and Their Families." Mental Adapted from Scherrenberger, R.C. "Generic Services

religious groups to develop outreach programs gram is the Institute's work with churches and officials (county commissioners, law enforceorient staffs of generic agencies as well as public participate in religious services to help retarded citizens and their families abled. One important component of the prothe special needs of the developmentally dis ment officers from throughout the State), to two years has been working intensively to University of Michigan, the staff for the last Retardation and Related Disabilities at the At the Institute for the Study of 55

See reference 95

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Human Sexuality and the Mentally Retarded Person

Mentally retarded persons, especially of mild degree, have normal (not exalgerated) sex needs. The traditional social policy has been to deny normal expression of these needs by seglegation or sterilization. Currently there is a tendency toward increasing normalization of contact between the sexes, but sterilization or remains highly controversial Sterilization means any procedure or operation intended to make a person incapable of reproducing. The right to sterilize or to refuse sterilization has become an issue in the courts.

ment of 'anformed consent' of the person to ment. These regulations introduced a require persons in programs regulated by the Depart Department of Health, Education, and Welfare On January 29, expected benefits, an explanation of alternative explanation of the procedure, a description of the sterilization after having been given a fair or she voluntarily and knowingly consent to be sterifized which, in general requires that he approved regulations governing sterilization of freedom to change his or her mend at any time swers to questions and assurance of the person's methods of family planning, assurance of an its discomforts and risks, a description of its prior to the sterilization 1974 the Secretary of the

A nation wide attitudinal survey on the subject of marriage and sterilization for the mentally retarded has recently been conducted with parent and non-parent members of the National Association for Ratarded Citizens, some of the findings are these

- The majority (60 percent) of both parents and non-parents left that mentally retarded persons as a group should be allowed to a marry
- As their child's age increased, parents tended to be progressively (1) more resistant to the idea of marriage for their child. (2) more methad to believe that their child would not be capable of rearing his or her own child, and (3) more in favor of sterilization for their child should be or she eventually marry.
- Harry three percent of all respondents approved of the concept of legislation making sterilization required for the most retarded individuals. An additional 29 percent approved of mandatory sterilization for those who are severely and moderately retarded However. 86 percent of all respondents favored an individual determination as to whether sterilization is appropriate.

50

The chility to develop and sustain a meaningful manital relationship may be possible, while the ability of retarded individuals to function as parents may not be present.

See references 32, 41, 70

What Services Provide Mentally Retarded Persons with Programs of Daily Activity?

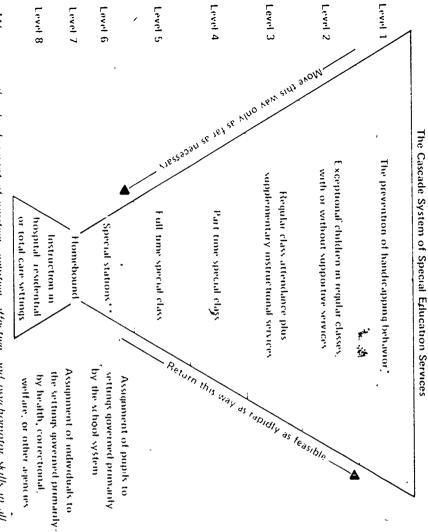
Activities take the form of

- Education attending regular or special classes in public schools, private schools. Head Start and Home Start programs, preschool and adult and continuing education programs, special developmental programs, vocational training programs, and activity centers
- Vocational Fraining and Employment working in sheltered employment, on the job training, and employment in competitive industry
- Recreation physical recreation, cultural events, participation in arts and crafts, spec tator entertainment, and neighborhood and commently activities

Services also include access to these programs transportation, escorts, outreach helpers. The pages following give some of the known facts about these activities.

concept of providing Educational services in the least specialized or restrictive circumstances Illustrated in the following chart is a current

> plied not quly to residential services but to all forms of service The "least restrictive alternative" may be ap-



pupils that will reduce or prevent the frequency of handicapping behavior *This means the development of positive cognitive affective and psychomotor skills in all

"Special schools in public school systems

Adapted from Deno, E. Cited in Maynard Reynolds Assembly "Exceptional Children September 1973 Two Policy Statements Approved by CEC belegate

vided for Mentally Retarded Children? What Pre School Educational Programs are Pro

In the area of education this takes the form of some handicaps and lessen the impact of others Early intervention has been shown to prevent

infant stimulation and early childhood edu

Office of Child Development claims to have handicapped. In its second annual report, the of children enrolled in Head Start programs be portunity. Act require that at least 10 percent handicapped as of December, 1973 Full Year Programs" had been diagnosed as approximately 287,100 enrolled children in surpassed this goal ' " The 1972 amendments to the Economic Opa total of 29,000 of

children served mentally retarded, 0.74 percent of the total handicapped pre-school children it served were By Head Start estimates, 7.4 percent of the

gramming, and number of children served. The States responding to a recent national survey children serve pre-chool children in 31 of 42 Day training programs for severely retarded actual number of preschool children enrolled kinds of programs offered, standards for proin these programs is not available There is a wide variation among States as to

See references 33, 111

What Public School Educational Programs Are Provided for Mentally Retarded Children and Youth?

mentally retarded children and youth. unspecified number may be assumed to be public educational agencies. Of this number, an BEH also estimates that there were 3.7 million information is still reported in this manner sionals as no longer acceptable terminology classifications are considered by many profes handicapped children ages 0 21 not served by students were served by the nation's public (able to learn self-care) mentally retarded academic subjects) and 148,466 "trainable" (BEH) estimates that in school year 1971 - 1972, 723,747 "educable" (able to learn The Bureau of Education for the Handicapped and public education agencies "educable" and "trainable"

A survey by the National Association of Retarded Citizens shows enrollment of mentally retarded students in the public schools has increased from 711,467 in the 1970-71 school year to 826,177 in the 1972-73 year As a percentage of the total school enrollment, mentally retarded students increased from 1.43 percent in 1970-71 to 1.87 percent in 1972-73.

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Among 49 States reporting, a decline in en rollment occurred in 10 states, while an in crease was seen in 39 states. Although this report shows a significant increase, the nation is still substantially far from achieving the Commissioner of Education's goal of free public education for every child by 1980.

For less severely impaired retaided children, one trend in special education is toward "main streaming" and away 'from separated special classes. Research in special education has never conclusively demonstrated that separate classes for "ducable mentally retarded students are superior to inclusion in regular classes with special assistance. Conversely, the main streaming trend is so recent that there is as yet no completed research by which it can be judged effective.

Day, training services, mentioned earlier, have been a traditional resource for children and young adults excluded from public schools in a recently completed survey it was found that 42 of 46 States responding provided such services

One State had six centers serving 96 clients

53

One State had 163 centers serving 12,000 clients

The wide variation can be seen in the following comparison

Other variations were reported for many states, making it difficult to compare their programs

Although much statistical information on public school programs is acquired and published by the Bureau of Education for the Handicapped, no data have been acquired by any Edieral agency on the number of retarded adults in adult educational programs or in continuing education programs.

While the courts have established, the principle of the right to education for retarded persons, there are many gaps between the determination of the right and the actual provision of service

A Comparison of Day Training Programs in Two States

| State | | |
|---------------------|---------------------------------|--|
| Number | | Enrollees per 100,000 Pop |
| States Reporting | Rank Among | 00,000 Pop. |
| Ainount | ığ | Expenditu |
| States Reporting | Rank Among | Expenditures per Client |
| | States Number Reporting Aihount | Rank Among States Number Reporting Ainount |

Coordinators of State Programs for the Mentally Retarded, Inc., May, 1974 Services for Mentally Retarded Children. A State by State Survey," Arlington, Virginia. National Association Adapted from National Association of Coordinators of State Programs for the Mentally Retarded. 'Day Training

See references 9, 28, 33, 79, 82, 107

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What Vocational Training and Employment Services Are Provided Mentally Retarded Persons?

Federal State. Vocational. Rehabilitation services, available to the physically handicapped since 1920, were authorized for mentally retarded persons in 1943. Only since the 1960's have an appreciable percentage of Vocational Rehabilitation clients who were "rehabilitated" represented mentally retarded persons. "Rehabilitation," as used here means placement in a job for sixty days or longer at the end of training. In 1972, it was estimated that 36,043 mentally retarded persons were rehabilitated, in this meaning of the total number of clients rehabilitated.

In 1971 it was estimated that 52,§20 mental by retarded persons were served by the Vocational Rehabilitation program

- 32,980 were mildly retarded.
- 14,600 moderately retaided, and
- 4,940 severely retarded
- Of this total, 29,744 persons were rehabilitated (56.6 percent)

This was a lower percentage of success than in previous years. One possible reason given for the fower, success record was the emphasis placed on service to the severely handicapped in 1971. Program, growth since that time is not known.

The Grossman AAMD definition of the condition of mental retardation affects eliqibility for Vocational Behabilitation services. Prior to 1973, the old AAMD definition was used Abolishing "boreletine retardation," makes many persons ineligible for rehabilitation services who

tormerly would have been eligible. Because of this problem, AAMD's Grossman Task Force has been reappointed and will soon issue a supplement to the 1973 Manual on Terminology and Classification in Mintal Retardation, discussing the need of formerly "border lime retarded" persons to be eligible for services

Sheltered Workshops

Special workshops which offer market based employment opportunities for the handscapped in protected work stations provide a large proportion of the rehabilitation training for mentally retarded individuals. Generally, employees in workshops perform piece work under contract with local industries.

There is no current, comprehensive information on sheltered workshops serving mentally related individuals. Of workshops in general there were 1,029 identified in a 1968 national survey, and approximately 2,500 in another national survey undertaken in 1973. Of the nearly 2,000 workshops which provided data for this 1973 survey, the proportion which were serving mentally retarded persons has not yet been determined.

in 1973, Suazo, in a survey of workshops serving the mentally retarded, found that most of the 110 workshops responding to the survey needed immediate help in many areas especially in placing clients in Jobs, providing financial support to those clients who could not produce at a high enough rate for competitive employment, and providing better training for workshop staff.

Activity Centers

While sheltered corkshops serve primarily mildly and moderately retarded citizens, activity centers serve more severely handicapped individuals who are not yet ready for sheltered work. Training in basic activities (grooming, personal adjustment, traveling) and social programs are provided with the hope that individuals will become tess dependent on others

In 1971, a survey sponsored by the President's Committee on Mental Retardation focated 706 activity centers throughout the nation Based on the survey, it was estimated that 18,000 persons, ranging in ages from 14 to 65, were being served

Although the programs had many different methods of operation, the two most often mentioned goals were

- Work preparation 85 percent
- Social development 80 pércent

See references 67, 92, 99, 128

What is the Employment Potential of Mentally Retarded Persons?

Various surveys estimate the number of employed mentally retarded citizens in a given community. Conley summarizes these studies and estimates that at any given time, 90 percent of mildly retarded persons will be self supporting and that "about two-thirds will" maintain that status continuously."

Publicity campaigns over the last decade have tried to demonstrate that "employing the mentally retaided is good business." Retarded citizens themselves have established that, given proper training, they can perform well in competitive employment

- Through a special examination waiver of the Federal Civil Service Commission, more than 7,000 mentally retarded persons have been employed since 1966. Most succeeded lover half are still working) and the leason for failure was, in most cases, not inability to do the work, but personal adjustment problems
- An on the job training program, funded by the Federal government and administered by the National Association for Retarded Citizens, has placed retarded men and women in private industry Reports in 1973 show 1,360 persons trained Funding increases in 1974 raised the projected number to be served to 2,754
- Major corporations, such as the WT Grant Company, have eraployed large numbers of mentally retarded workers—and would like to employ more

A list of jobs that mentally retarded persons have performed successfully includes

Anımal Caretaker

Key Punch Operator
Carpenter
Medical Technician
Dishwasher
Office Machine Operator
Food Service Worker
Radio Repair
Telephone Operator
Vehicle Maintenance
Photocopy Operator
Ward Attendant (sometimes in the same institution where he or she once lived)

The employment potential of mentally retarded persons depends on government, industry, and crganized labor's willinghess to provide the training and restructuring of jobs necessary to take advantage of each individual's talents

In general, persons identified as mildly retarded in school years tend to disappear into the adult population. There is evidence also that continued identification as "retarded" can be a barrier to employment.

See references 23, 80, 81, 104

Retarded Persons? Activities Are Provided Mentally What Physical Education and Recreation

throughout an individual's life. Although for education-related: areas. Recreation takes place adult's day and more of a child's. Yet, tradiretarded individuals, there is almost no inin institutions and the community for mentally many years there have been recreation activities retarded individual's deficiencies in work or tionally most attention has been given to a programs for retarded persons at any age level formation available on the extent of these Leisure time accounts for one-third of an

cation students centered on the special rec reation needs of mentally retarded persons Other such programs are becoming more com Bridgeport (Connecticut) for physical redu-A two-year training project at the University of families and later at the workshop." this new self-assurance at home with their through physical activity, they demonstrated themselves and in what they could accomplish observed was the self-confidence they had in project concluded with the following stateaccomplishments of the retarded persons in the mon around 'the nation. An evaluation of "The most important development

sored by The Joseph P. Kennedy Jr. Foundaretarded youth is the Special Olympics spon A well-known recreation program for mentally participants in 1972. In addition to providing ince in Canada, in Puerto Rico and in France tion. Operating in every State and every prov the deficiencies, of mentally retarded young Special Olympics emphasizes the abilities, no healthy exercise and fun for many children, the the Special Olympics had more than 250,000

> mentally retarded persons can and do surpass lectually average and superior counterparts. the physical accomplishments of their intelphysically demanding sports, and that many intellectual deficits can and do compete in This program has shown that children with

nition. In its first year of operation, 1974-1975 individual a progressive opportunity for various circumstances, which offers a retarded recreation departments program has been adapted by residential care Although essentially a family approach, the 5,000 qualified for awards of achievement the program served 18,000 individuals of whom physical recreation, achievement and recog Grow," a family recreation pattern adaptable to Kennedy Jr. Foundation is "Families Play to A later program sponsored by The Joseph P. facilities, schools, rehabilitation agencies and

undertaken national programming for mentally national basis, provide recreation services for Scouts, either through local units or on a America, Camp Fire Girls, Boy Scouts and Girl cluding the YMCA, YWCA, Boys Clubs of recreational programs for young people in Character-building organizations with major By 1973 it had 2,500 Scout units for retarded waiver of the usual age limit for membership retarded members for many years, including a tarded persons. The Boy Scouts of America has handicapped youth, including mentally re

developed and are operated on various patterns of funding and sponsorship, some by public Special camps for retarded persons have been resicential facilities themselves, some by as

> service organizations such as Chamber of Commerce (Jaycees). sociations for retaided citizens and some by the Juntor

swimming program for the handicapped. In The American National Red Cross supports a séverely retarded children retarded persons, with two of them also serving ming programs for mildly and moderately 1973 there were 126 chapters offering swim-

See references 63, 68, 73, 125

A Survey of Regreation for the Handicapped

No comprehensive study specifically concerned with recreation services for mentally retarded individuals has been identified. The following information is from a 1970 nation-wide study of 616 agencies such as commercial establishments, libraries, museums, public recreation agencies, fraternal and service organizations, community and youth service agencies, 4-H Clubs, and public, parochial, and private day schools concerning their services to handicapped citizens in general, including mentally retarded persons.

- No recreation services for handicapped children and youth were reported by 74 agencies Of these, one-half of the commercial establishments and over one-third of the churches, libraries, and museums reported they had never been asked to provide such services
- Over half of the churches, libraries, and museums believed there were no handicapped children or youth in their service area

Types of problems agencies thought they might have in starting service programs

- Over half felt an additional or specially trained staff would be necessary
- Over a third were concerned about physical and mental limitations of handicapped children

Of the 542 agencies providing some recreation services, 457 had increased their services from 1965 to 1970

to serve additional disabilities

- to involve larger numbers of handicapped children
- to increase variety of activities

Reduced services had occurred in 11 percent of the 542 agencies since 1965 because of:

- lack of trained staff
- insufficient funds
- poor attendance
- lack of parental interest

Recreation activities provided by all reporting agencies.

- 82 percent. had parties, socials, and special events
- 72 percent had active games and physical fitness activities
- nearly two-thirds provided arts and crafts

65

- 61 percent offered team sports
- about one-half offered individual sports, including swimming

Education levels of full-time personnel in all reporting agencies.

- 19 percent had graduate degrees
- 64 percent had bachelor, degrees
- 9 percent had some college
- 8 percent had high school diplomas or less

See references 57, 89

What Services Provide Mentally Retarded Persons with a Source of Income?

Income support may be provided through the following types of services:

Continuing support from:

- Supplemental Security Income, Federal and State financial assistance on the basis of need for persons who are permanently and totally disabled, blind or aged.
- Public Welfare, general assistance available in some States, and the Federal Aid to Families with Dependent Children program which exists in all States, granted on the basis of need.
- Social Security and Railroad Retirement, Federal retirement income guarantee programs based on contributions by employees and employers, covering retired and disabled persons and survivors of the beneficiary
- Veterans benefits
- Food Stamps, School Lunch and School Breakfast Programs of the United States Department of Agriculture, for recipients of public assistance and other low income persons.
- Medical Assistance (Medicard), Federal/State payment for residents of hospitals, skilled nursing facilities (SNF) and intermediate care facilities (ICF and ICF-MR)
- Medicare, Social Security program to pay costs of hospital and nursing home care for Social Security beneficiaries
- Federal black lung disease benefits, which provide for survivors of the disease

- Public mental retardation or mental health residential institutions, where total care is provided.
- Public mental retardation programs in the community.
- Guardianship management of the retarded persons's own income and resources.

Interim support, or the provision of special needs, may be provided from the foregoing, as well as the following:

- Private voluntary agencies which provide a variety of specific benefits for which the retarded person may be eligible.
- Vocational Rehabilitation Service agencies, Federally and State supported, which may provide subsistence payment during vocational training.
- Emergency assistance grants provided by public or private agencies in such forms as allotments for food, temporary housing, and cash for other living expenses

Some information is available regarding mentally retarded persons who receive continuing support through public programs administered by the Federal government or State agencies. Almost no information is available regarding mentally retarded packing who receive interim support until they quality for assistance under a continuing major program.



Retarded Persons Took Place in 1967 and 1970. Maintenance Programs for Mentally Two Major National Studies of Income

Aid to Families with Dependent Children (AFDC) for Children Judged to have Mental Retardation, 1967

| | , | | | | | |
|---------|-------------|-------------------|------------------|----------|------------|---------|
| 14.6 | 65.0 | -1.6 | 16.5 | 2.3 | 100 0 | Percent |
| 574,009 | 2,548,639 / | 64,044 | 39,472 ` 646,555 | 89,472 ` | 3,922,719 | Number |
| Unknown | M.R. | M.R. | M.R. | M.R. | Recipients | |
| | Not | | Not | , | Total | |
| | thers | Opinion of Others | onal Opinion | Profess | | • |
| | | | • | | | |

combined 3.9 percent estimate of recipients • members or others probably contributed to and the reluctance on the part of family children had no opinion expressed about them, probably quite low. Almost 15 percent of the judged to be mentally retarded children is competent to diagnose mental retardation. The Professional judgments were made by those "non-diagnosis."

vary widely in amount from State to State. ating since 1935. payment levels for the States, and payments This public assistance program has been oper-There are no minimum

> Aid to the Permanently and Totally Disabled (APTD). 1970 Récipients with Mental Retardation as Primary or Secondary Disabling Condition

| Percent | Number | · |
|---------|---------|--------------------------------|
| 100.0 | 865,894 | All |
| 16.0 | 138,163 | M.R. Primary Condition |
| 3 3 | 28,610 | M.R. Secondary Condition |

participate, and Nevada did not have an APTD ever was kigher Guam and Arizona did not caseload in each state or 500 persons, whichon a minimum sample of two percent of the aged. The figures in the above chart are based program provided for the disabled, blind, and Until January 1, 1974, this State administered

See references 109, 110

What Is the Supplemental Security Income Program (SSI)?

new Supplemental Security Income Program and totally disabled are combined under a Security Administration. The base in February have insufficient resources or income guarantees a minimum income to persons who For the first time, the Federal government programs for the aged, blind, and permanently may make this payment directly to individuals the Federal payment they may make or States government to administer any supplements to unearned income States may ask the Federal vidual's SSI check is affected by earned or plement payments individual, with certain exceptions. In addition 1975 is \$146 per month for each eligible program is administered by the Federal Social As of January 1, 1974, income maintenance 38' states and the District of Columbia sup-The amount of aroundi

An important fature of SSI is that children who are "perma entity and totally disabled" (a category that includes some mentally retained children) may be eligible for income maintenance payment under certain circumstances, depending on their family finances. By November, 1974, there were approximately 65,000 children receiving SSI.

The change over from State to Federal administration caused problems in reaching all persons in the formation on the mamber of persons who are mentally retarded and receiving SSL payments is not currently evailable.

In October 1971, 1,581 663 persons classified as disabled received federally administrated payments (included Federal payments and Statesupplements) of \$238,383,000,

As services are provided to meet the needs previously discussed: physical, social, educational, and economic, it is possible for the individual to move toward independence in the place where he or she lives

See references 14, 16, 46

Live? Who Cares for Them? Where Do Mentally Retarded Persons

care and management for the more severely are balanced. This is especially true of personal which many other services for retarded persons mentally retainded persons at some time in their can all adults find their own living airange Residential services are the fulcium around lives, and for some, throughout their lives ments "Residential services are needed for many All children cannot live with their families nor

community services and opportunities resident and his or her access to adjacent tutions are becoming smaller, and tending to zation and maximum self-development. Instimodate to the new philosophies of normalimen that characterizes trospitals and prisons disabled residents, and the type of daily regi from the community, large congregations of two types institutions and community care ment, and are encouraging development of the Institutions are being modified to accomfutional in nature, that is, marked by isolation The traditional residential facility was instr-Residential facilities are usually classified into tempting to approximate a homelike environ use cottage-type housing and care, are at

onvite achieve the benefits of normalization Complianity care facilities have been created not the uphatural patterns of livera in marktional The goal of deinstitutionalization is to replace responsiblity (group home in the community) but also to achieve fiscal economics. The an Continuing development for the resident funding as a total State responsibility (public testal responsibility for example transfer of economes may actually represent stefts in shared State feeteral Local

> settings with the values of normalization, maximum self development, and community living

What are Some Community Residential Services?

viding attention to specific problems and needs specific needs of specific individuals. Among gence of a growing array of residential after functioning. This viewpoint has spurred emer gresses to an improzed level of independent rected or met. Therrafter, the individual-proof individual residents until they can be cor services follow a developmental model Prevailing philosophy holds that residential natives to institutional care, each geared to

- ently or potentially capable of functioning in opmentally disabled persons who are pres Group homes, hostels, hoarding homes, and the community with some degree of inmentally retarded day to provide services to a small group of residential facility which operates 24 hours a generally defined as any community-based half-way houses for adults. Although called by these different names, these facilities are or otherwise devel
- Foster care he chatever reason, with their own families for adults who are dependent and cannot live. for children and increasingly
- child or as an adult, hving alone or living Natural home with one's own family living with one's parents as a
- Long term sheltered living including nursing of independent living, based on normalization homes— an environment for adults incapable DIRICIDIAS

- Respite care a family crisis . adults, to allow them and their families a for retarded individuals, both children and "vacation" from one another and to alleviate very short term residence care
- Vocationally oriented residential services to help young adults adapt to the world of

names of community facilities and programs are used, at times, without clarity as to meaning literature. Definitions are often vague and terminology is just beginning to appear in the It is emphasized that much of the above

traditionally itation of the mentally retarded and has been of professional services dential basis including those directed toward facility or building(s) providing a constellation the care, troatment, habilitation, and rehabil An institution is separated from the general a public or private on a 24 hour resi

resident populations, and private (proprietary ill that have some retarded persons among their institutions public facilities for mentally reserving retarded persons which are classified as and non-profit) residential facilities for men tarded persons, public facilities for the mentally tally retarded individuals. There are three major categories of facilities

See references 50, 83, 85, 86

Recent Trends in Public Institutions for Mentally Retarded Persons

| 90 | | | *Based on average daily population tBased on census at beginning of year |
|---------------|-------------------------------|---------------|--|
| 13 65 | 7 60 | 5 14 | Per Day |
| 4,982 25 | . 2,774 10 | 1,879 43 | Per Year |
| | 4. | | tPer Patient under Treatment |
| 15 17 | . 8.12 | ,5 44 | Per Day |
| 5,537 05 | 2,965 33 | 1,984.00 | 'Per Yéar |
| 1 | | * | *Per Resident Patient |
| 1,002,557,588 | \$576,620,954 \$1,002,557,588 | \$353,574,833 | Maintenance Expenditures |
| 118,909 | 94,900 | 69,494 | at End of Year |
| | | , , | Personnel (full time) |
| 181,009 | 193,188 | 176,516 | at End of Year |
| | • | | Resident Patients |
| 3,183 | 3,635 | 3,498 | Deaths in Institutions |
| 7,079 | 11,665 | 8,156 | Net Releases |
| 15,370 | 15,714 | 15,151 | All Admissions |
| 1971 | 1967 | 1963 | , |
| | | | |

Adapted from U.S. Department of Health, Education, and Welfare. "Mental Retardation Source Book of the Department of Health, Education, and Welfare." Washington, D.C. Office of Mental Retardation Coordination, 1973. (Mimeographed)

In recent years, persons being newly admitted to public institutions have been younger, have been more severely retarded, and have more physical disabilities than in the past Information on age is available. While information on sex generally is not available, there has been an increasingly larger proportion of male new admissions noted.

To What Extent are Mentally Retarded Persons Placed in Public Hospitals for the Mentally 1117

In 1971, there were 29,272 persons diagnosed as mentally retarded in State mental hospitals; 81 percent of them were over 24 years of age 81 percent of them were over 24 years of age 16 persons in each level of retardation is unavailable, but of new admissions to State mental hospitals in 1967, 71.5 percent were mildly or moderately retarded. For the same year, 48.8 percent of persons newly admitted to mental retardation facilities were mildly or moderately retarded.

What are Some Characteristics of Persons Who are Residents in Institutions for Mentally Retarded Persons?

Two States, Florida and California, have collected detailed information on residen's in their institutions. Such information can be used to design individualized treatment plans to enable each retarded person to come closer to the goal of self-sufficiency and self support.

See references 40, 112

The information from California clearly shows that from 1970 to 1974 over three quarters of all residents remain retarded at the severe or profound levels. Sex distribution continues to remain about the same. There has been a slight increase in percentage of residents who have no hearing or no vision.

Selected Findings of Annual Census of Characteristics of Residents in Public Institutions for Mantally Retarded Persons California, 1970 and 1974

| | • | | |
|-----------|---------------|--------------------------------------|------------------------|
| 5.7 % | 6303 | WHE HARD | |
| 7.051 | 5 5 -2 | | To Paracon. |
| 3 3 1.83 | 11 18 | Admid charges to | T M MINI T THE |
| 15. | 1111/ | Bet appoint moved areach | Maria, . |
| .b ooi | 100'62 | Fortil | |
| 41 14 | 80.10 | De librarality of great and a second | |
| 71 | | Important constal | |
| 88 8 | 68. / | Landed to 16 mg | Transfer of the second |
| 1 (4) | 271 | Plant a second | He prompt by |
| 100 01 | 100 01 | T o ji | |
| . 1 48 | 81.15 | 7. 100 0 11. | - |
| 10 ta. | | for the part of the first | • |
| 8, 6 | 13 41 | | Petroni |
| æ 3 | 515 | 7) | Virginia |
| 1009 | 100.00 | | |
| 10 14 | 2.86 | Charles I see | |
| 1.203 | 14, 4./ | 10 00 10 | |
| 1.76 | 16.13 | | Percent |
| 155, 11 | 150 55 | Book white, | , sp. 100 ps. |
| 160.01 | 100 01 | Tee . | |
| 41.22 | 41 60 | - | Proceed |
| 67.8% | . 53,41 | Ţ. | Sec. 103 |
| , 100.02 | 100 03 | | |
| (0.07 | 0.10 | fire paraget | |
| :- :3 | . 12,1 | British | |
| . 6.06 | 64.0 | . 1 | • |
| 11 15 | 1.7 | Since the state of | Percent |
| 15.66 | ν Ο γ' | 39.4.19 | Return to |
| 5 to 8 ts | 46.05 | Profession t | Degra (Level) of |
| 1000 | · IHH | | Control Number |
| 1974 | 0.76.1 | | |

63

Note Lattices and IRN DO two and die for the morning

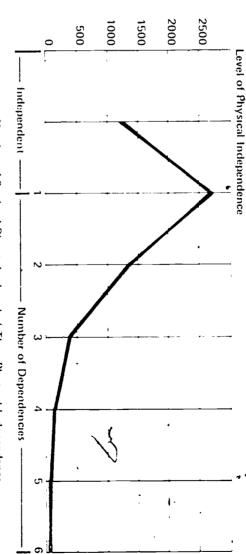
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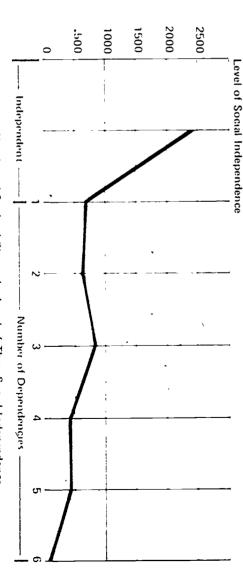
See reference 15

The study in Florida was the first assessment ever undertaken of all 5,444 clients in its six Simland Centers Information on each resident was collected in June, 1974, using a Client Assessment Instrument specially designed for this survey Levels of independence were noted for many skills, including ambidiation, self care, social, communications, housekeeping, education, and work Findings on these and other variables were grouped to form the following two graphs

Levels of Independence of Sunland Residents in Florida, June, 1974



Number of Sunland Clients by Level of Their Physical Independence



Number of Sunland Clients by Level of Their Social Independence



Persons in the United States? Public Institutions for Mentally Retarded What Are Some Characteristics of Residents of

and the following page are from the results of survey of its own facilities. Information on this that survey Retarded has recently completed a nationwide Public Residential Facilities for the Mentally The National Association of Superintendents of

of July 1, 1,974. This represents 75 percent of 177 public institutions in the United States as all public institutions The following table presents information from

Distribution of Residents in Public Institutions by Level of Disability July 1, 1974 for Mentally Retarded Persons,

| • | Total . | (Borderline Normal) | Mild | Moderate . | Severe | Profound | Level of Disability | |
|---|---------|---------------------|------|------------|--------|----------|---------------------|--|
| | 100.0 | ` 28 | 1.8 | 179 | . 30 0 | 41 2 | Percen | |

dents classifed according to the 1973 AAMD etiology public institutions ignorting on 21.216 resi The following table presents the results of 177

Distribution of Residents in Public Institutions by Primary Cause of Disability, July 1, 1974 for Mentally Retarded Persons,

| | Environmental Influence , 15.0 | Following Psychiatric Disorder 1-6 | Gestational Disorders, 5-5-5 | Chromosomal Abnormality 10.8 | Unknown Pre Natal Influence 30.6 | Percent 14 3 15 4 2 8 4 1 30 6 10 8 5 5 16 15 0 | Primary Cause of Disability Infections and Intoxications Trauma or Physical Agent Metabolism or Nutrition Gross Brain Disease, Post Natal Unknown Pre Natal Influence Chiomosomal Abnormality Gestational Disorders, Following Psychiatric Disorder Fryinginmental Influence |
|--|--------------------------------|------------------------------------|------------------------------|------------------------------|----------------------------------|---|--|
| der e | | • ē | ٠٠٠ | | | 41 | Gross Brain Disease, Post Natal |
| atal der | der (c | ee . | · e atai | = | | 28 | Metabolism or Nutration |
| der . | atal | atal | atal Ce | <u> </u> | | 154 | Trauma or Physical Agent |
| de d | atal Ce | atal | atal . | <u>-</u> | | 143 | Infections and Intoxications |
| atal der | atal | atal | e atal | Ξ. | | Percen | Primary Cause of Disability |

3

in addition to the major handicapping condiexample, 671 persons were both blind and deaf and 34 percent had more than one for tion of mental retardation. The distribution of at least one additional handicapping condition the primary additional handicap is as follows mental retardation, 53,265 or 50.5 percent had Of the 105,442 residents reported to have

7 1

| Additional Handicap | Number Percent | Percent |
|-------------------------|----------------|-------------|
| Blindness | 3 825 | 12 |
| Deafness | 2.226 | 42 |
| Emotional Disturbance | 8,020 | T5 1 |
| Cerebral Palsy or Other | | |
| Neurological Handicap | 19,448 | 36 5 |
| Epilepsy | 19,746 | 3/0 |
| Fotal | 53,265 | 100 0 |

represented mildly or moderately retailed public institutions during Fiscal Year 1973 74 admissions and 40 percent of readmissions to Another finding was that 40 percent of new

persons and borderline persons

See reference 94

What Does the Term Deinstitutionalization Mean?

adopted as a national goal the return to useful lives in the community of one third of the more than 200,000 mentally retarded persons who were living in public institutions. Most of these persons live in special institutions for mental retardation. There are some who are cared for in State hospitals for the mentally ill. Deinstitutionalization, requires reeducation, and retraining of the residents of these facilities for them to be able to adapt to community living

How Much Progress Has Been Made toward Deinstitutionalization?

The recently completed study of the National Association of Suparintendents of Public Residential Facilities for the Mentally Retarded mentioned on the preceding page provides some answers to this question Data for the survey were acquired from 207 residential facilities of 250-queried. Of the 207, 15 facilities were not in operation at the time of the survey. In formation was collected as of July 1, 1974.

Some Lindings

- Of 106 facilities in use during the nine year period 1965 to 1974, the population de clined from 151.873 to 127.696. 15.9 percent.
- Of 1/6 facilities in use during the four year period, 1970 to 1974, the population declined at an accelerating rate of 1.7 percent in the first year to 3.6 percent in the fourth year A trend may be seen in the table.

Population Changes in a Total of 176 Public Institutions for Mentally Retarded Persons, 1970 to 1974

| | Population at | Numerical Population Decline from | Decline from |
|------------|---------------|------------------------------------|----------------|
| iscal Your | End of Year | Preceding Year | Preceding Year |
| 1970 | 355,920 | | |
| 1971 | 153,343 | 2,577 | 1 7 |
| 19/2 | 151,204 | · 2 139 | 1 4 |
| 1973 | 147,050 | 3,154 | 21 |
| 1974 | 141,972 | 5,078 | 35 O |

of the survey results are generalized to the entire group of public institutions estimates show a nine year decline of 14,000 residents from 190,000 in 1969 to 176,000 in 1974. During the same period, the population has declined in older, larger facilities and has been offset by growth in newer, smaller facilities. Older facilities declined in median resident population from 1,146 in 1965 to 956 in 1974 in 1974, the median population of new facilities, those in operation subsequent to 1969 was 198.

There is no information available on average length of stay of a resident in a public facility. There is also no information to show that persons discharged from public institutions do not move to other types of institutions such as State hospitals for mentally ill persons or private institutions.

See reference 94

What Are Some Alternatives to Institutional Care?

The words "private residential facility" are used to describe other types of residential settings outside of public institutions where mentally retarded persons reside, including private institutions. The most frequently used settings are group homes, nursing homes, and fostericare or family care homes. While such residential settings are private, governments may purchase care in them for residents considered to be a public responsibility. There is limited national information on private residential facilities information is not currently available by type of facility, such as group home, aursing home, etc.

Characteristics of Private Residential Facilities, 1971, by Ownership

| Type of Facility | Profit | Non-Profit | All |
|----------------------|--------|------------|--------|
| Number of Facilities | 745 | 286 | 1,031 |
| Accept Both Sexes | 435 | 199 | 634 |
| Accept Only Females | 164 | 43 | 207 |
| Accept Only Males | 146 | 44 | 190 |
| Ages of Chents | | | |
| Under 21 | 332 | 125 | 457 |
| 21+ | 34 | ۵ | 38 |
| Other Restrictions | 226 | 124 | 350 |
| All Ages | 153 | 33 | 186 |
| Number of Residents | 13,443 | 14,581 | 28,024 |
| | 1 | | |

· Number of Facilities with Programs Offered

7

| Rrogram | Yes |
|---------------------------|-------|
| For Educable Children | 732 |
| For Trainable Children | 316 |
| For Profoundly | • |
| Retarded Children | < 188 |
| For Adults | 127 |
| Vocational Rehabilitation | 184 |
| Occupational Therapy | 158 |
| Physical Therapy | 160 |
| Other Programs - | 137 |

C

See reference 112

percent were male and 40 percent female. The since 1968. Of 7,753 residents reported, 60 available for the survey. Forty-six percent of were identified, homes in operation. An additional 112 facilities served mentally retarded individuals, found 474 mentally disabled, the large majority of which A 1973 survey of group homes for developgroup homes varied widely in services provided years, and more than 75 percent were formed those reporting were operating for less than two Over half relied on public residential facilities tor one or more supportive services but information was un-

> munity alternatives. ministrators of the group homes. Such prob-A significant result of this survey was reporting lems may affect future development of comdifficulties encountered by the ad-

Establishing and Operating Group Home Facilities Most Serious Problem Areas in

| Other , | Meeting Bur'ding Safety Standards | Meeting Fise Regulations | Zoning Restrictions | Difficulty of Maintaining the Staff | Reducing Parental Fears | Staff Training and Development | Attitude of Community Toward Residents | Certification and/or Licensing | Lack of Community Supportive Services | Developing Individualized Client Programming | Difficulty of Finding Qualified Staff | Inadequate Funds | Area of Concern | | | |
|---------|-----------------------------------|--------------------------|---------------------|-------------------------------------|-------------------------|--------------------------------|--|--------------------------------|---------------------------------------|--|---------------------------------------|------------------|-----------------|-------------|----------------|------------|
| 64 | 29 | 49 | 56 | 6/ | 69 | 8 8 | 97 , | 95 | 113 | 135. | | 294 | Pacilitles | Number of | Total | |
| | ် အ | 10 | 17 | : - - | : 3 | : 19 | 20 | 3 2 |) 2 8 | 29 | ا ئ | 62 | Variable | Ranking the | Administrators | Percent of |

and Indiana show that foster care serves signiof the number of persons served in California vices for mentally retarded persons. Examples forms of planned community residential ser Family care or loster care is one of the oldest ficant numbers of retarded persons

| Indiana | California | State |
|------------|------------------------------------|----------------------------|
| 1,348 | Approximately 5,000 | Number of Residents Served |
| June, 1972 | Approximately December, 1974 5,000 | Date of Information |

developmentally disabled persons in separate nursing homes to serve developmentally dis intermediate care facilities. Intermediate care buildings or separate wings of nursing homes or December, 1974, 2,448 beds were available for extensive abled persons. The State of California has made A recent trend has been the utilization of nursing care facilities do not provide as intensive a level of use of nursing homes As of

See references 19, 58, 86

What Was Found in a 1974 Kansas Study of Facilities and Homes for the Developmentally Disabled?

The Kansas Department of Social and Rehabilitation Services surveyed 330 facilities serving 1,900 developmentally disabled persons

The study found that there is no common definition of different types of residential facilities. Almost half of the respondents were unable to identify their category. The following definitions were used in the study.

- Nursing home a nursing facility providing both short and long term care for semiindependent residents over age 21 - (228 respondents)
- Foster home—a family type home providing either short or long-term care, serving in dividuals ranging from dependent to almost independent, under age 21, and covering all resident needs—(74 respondents)
- Children's facility—a group residential facility offering short term transitional care for independent and semi-independent persons under age 21, and providing most resident needs—(14 respondents)
- Boarding homes—a group living arrangement, providing both short and long term care for semi-independent persons over age 21 with the facility covering all resident, needs—(14 respondents)

Further confusion of definitions may be seen in the table below where distribution of facilities by types and related characteristics is shown. Several different categories apply to a number of the reporting facilities.

Study of Kansas Homes Serving Developmentally Disabled Persons

| Board, room & guidance only 9 5 4 | Covers all resident needs 57 41 7 | Five day week residence only 1 1 4 | Service to Residents | Over 21 184 5 0 | Under 21 20 72 · 14 | Age of Residents | Totally dependent 46 19 0 | Semi independent 175 22 5 | Almost independent 24 14 6 | Disability Level of Resident | Long-term indefinite 176 35 2 | Short term transitional 114 20 6 | Temporary respite 3 5 0 | Duration of Care . | Agency operated 3 2 3 | Nursing 205 0 0 . | Residential 17 1 5 | Group 13 0 6 | Family type 24 72 6 | Pattern of Care | Description A Homes Homes Facilities | Nursing Foster Children's B | Number of Facilities |
|-----------------------------------|-----------------------------------|------------------------------------|----------------------|-----------------|---------------------|------------------|---------------------------|---------------------------|----------------------------|------------------------------|-------------------------------|----------------------------------|-------------------------|--------------------|-----------------------|-------------------|--------------------|--------------|---------------------|-----------------|--------------------------------------|------------------------------|----------------------|
| 5 4 | 41 7 | -1 | | 5 0 | | | • | | , | | | | 5 0 | , | 2 | 0 0 . | 1 5 | | | | 1 | | Number of Facility |
| 0 | 8 | 0 | | 8 | 2 | | | 7 | 2 | | 7 | G | 0 | | 0 | 0 | | 8 | 0 - | | Homes | Boarding | les |
| 18 | 113 | 6 | | 197 | 108 | | 66 | 209 | 46 | | 220 | 146 | 8 | | 8 | 205 | . 24 | 27 | 102 | • | · Total | | |

70

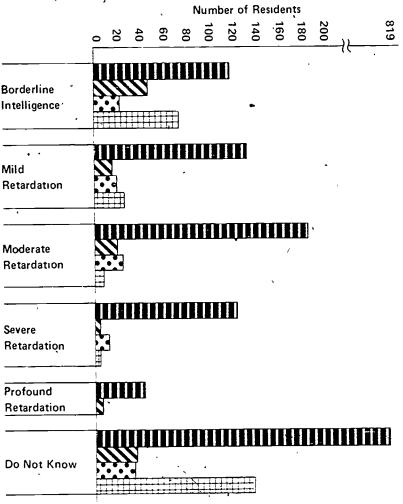
See reference 96

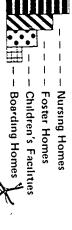
70

The study found " that most facilities were unable to identify the mental levels of their developmentally disabled clients." As the graph shows, over one-half of all persons identified were shown in the "Do Not Know" category of mental levels."

Mental Levels of Clients in Residential Facility by Type of Facility Study of Kansas Homes Serving Developmentally Disabled Persons

76





See reference 96

How Accessible Are Services for Persons Who Are Retarded?

As recently as 1968, a report on employment, transportation, and the handicapped, prepared for the Social and Rehabilitation Service, made no mention of the special transportation needs of the mentally retarded. A 1973 planning document, prepared by the Urban Mass Transit Advisory Council, makes only passing references to mentally retarded persons in discussing travel barriers for handicapped persons

In addition to the high prevalence of physical disabilities among retained citizens, the in ability of many to read instructions makes them less able to use public transportation

In a survey among elderly and handicapped persons in Washington, D.C., the potential increase in trips for various purposes, if there were a barrier-free transit system, was given

| Trip Purpose | Potential % Increase |
|---------------------|-------------------------|
| Work/School | 14°, |
| Shopping | 82°% |
| Medical/Dental | 50°. |
| Social/Recreational | 111% |
| Chuich | 85°° |
| Combined Total | 72°° |
| • | |

In August, 1973, the President's Committee on Employment of the Handicapped issued "A Survey of State Laws to Remove Barriers". Only one State, Kentucky, hao no law requiring some action to remove physical barriers in housing, governmental buildings, walkways, etc. No information is available regarding the extent to which these laws have been implemented in all States.

While there are continuing local efforts to employ such strategies, no information was found on the extent to which services are being offered to mentally retarded persons through outreach efforts, or provider by means of service "brokers," neighborhood service delivery points such as "store front" centiers, or special transportation arrangements.

What Manpower Is Needed to Provide Services for Mentally Retarded Persons?

Two recent publications of conferences on manpower, one held in Canada and me other in Philadelphia in 1973, produced remarkably similar recommendations

- There is a need to employ different kinds and revels of professional personnel in working with mentally retarded and developmentally disabled persons
- Training in the special needs of handicapped persons must become an integral part of training in all fields. Only in this way can mentally retarded individuals make extensive use of generic services (those available to everyone).

Federal government efforts in training personnel to work with mentally retarded and other developmentally disabled persons began in 1963 with legislation authorizing University Affiliated Facilities (UAFs) and Mental Retardation Research Centers Funds for construction of both were appropriated in Fiscal Years 1965, 1966, and 1967

In 1972, more than 52,000 persons from more than 60 separate fields were trained in the 32 operating UAFs

The Bureau of Education for the Handicapped (BEH) reported there were 73,400 teachers for the mentally retarded employed in the 1971–1972 school year, estimated to be two thirds of the number needed Federally supported training of special education teachers.

See reference 119

See Johnsen 34 127

reached an annual level of 6,000 new special education, teachers a year in 1970

The National Institute of Child Health and Human Development (NICHD), Mental Retardation Branch, operates 12 Mental Retardation Research Centers. As a by-product of research conducted by the Centers in the causes and prevention of mental retardation, manpower with scientific investigative skills is trained.

What Is Accountability for Mental Retardation?

Accountability means provision of evidence of

- the extent of the problem
- the amount of effort expended to meet the problem
- the maintenance of service quality to meet established standards
- the actual meeting of individual needs
- the extent to which the effort has had impact on the general problem, and has reduced it

Accounting for the extent of the mental retardation problem and the effort made to deal with it is found in limited form in the management records of serving agencies— their case records, statistics, budgets and financial reports. Accounting for the excellence of service is based on licensing or voluntary standards, and periodic assessments by independent judges of how well those standards have been met Accounting for effects of services on individuals and their problems, or for their impact on the community problem of mental retardation is called evaluation and is relatively rare and usually inconclusive

What Are Currently Existing Mechanisms for Program Evaluation?

There are two types of mechanisms regulatory and voluntary. The regulatory means is through liceRsure, the voluntary mechanism is through (1) accreditation, (2) PASS, a new procedure now in use in two States, and (3) consumer evaluation. These processes are described below

Licensing

Each State has legal minimum standards, of health, sanitation, building safety, fire safety, etc. In addition, each State requires at least some of its programs for mentally retaided persons to meet certain standards in terms of qualifications of staff, services offered, number of persons served, etc. Licensing laws provide for minimum standards

Enforcement of licensure laws is limited Licensing is most often effective at the time of initial application for the license and is rarely subject to judicial review

Accreditation

In order to measure the quality of service, it is necessary to know how well the program is equipped to help recipients achieve stated goals. Two methods of program evaluation recognized today attempt to do this. One is administered by the Accreditation Council for Facilities for the Mentally Retarded of the Joint Commission on Accreditation of Hospitals. The Courtil has eight member agencies.





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American Academy of Pediatrics
American Association on Mental Deficiency
American Nurses' Association
American Psychiatric Association
American Psychological Association
American Psychological Association
National Association for Retaided Citizens
National Association of Private Residential
Facilities for the Mentally Retaided
United Cerebial Palsy Association

Two sets of standards have been established one for readential facilities and one for community agencies serving mentally retaided in dividuals

The accreditation program is voluntary. An agency applies for evaluation. Once evaluation is undertaken, a range of program components is evaluated. The Accreditation Council began its program in 1973 and identified the principle underlying its standards as normalization. Be cause of the precency of the program, no information is available on the extent of coverage or results.

Program Analysis of Service Systems (PASS)

as a formal evaluation tool Nebraska and Pennsylvania, currently use PASS cessful to the extent that they employ the evaluations of each program component. Cen different from other methods of evaluation is principle of normalization. At least two states, mainstream of society. Services are rated suc integration of handicapped persons into the are adequate to the extent that they promote tral to the system is the principle that services that it allows for negative as well as positive existing services. A feature that makes PASS has been expanded to include evaluation or Program Analysis of Service Systems (PASS) applications for new community programs A system first devised in Nebraska to evaluate

Consumer Evaluation

Increasing attention is being paid to consumer evaluation of services, either by retailed citizens themselves, or by their advocates. One approach is a formal contract between the provider and consumer of the service. Weintraub and Abeson discussed the special education contract thus. "The contract would specify the obligations of all parties, the educational objectives to be acheived, criteria for assessing their achievement, a timetable for evaluation, and procedures for renegotiating the contract."

The United Nations Declaration on the Rights of Mentally Retarded Persons, 1971

- 1. The mentally retaided person has, to the maximum degree of feasibility, the same rights as other human beings:
- 2. The mentally retarded person has a right to proper medical care and physical therapy and to such education, training, rehabilitation, and guidance as will enable him to develop his ability and maximum potential.
- 3. The mentally retarded person has a right to economic security and to a decent standard of living. He has a right to perform productive work or to engage in any other meaningful occupation to the fullest extent of his capabilities.
- 4. Whenever possible, the mentally retarded person should live with his own family or with foster parents and participate in different forms of community life. The family with which he lives should receive assistance. If care in an institution becomes necessary, it is should be provided in surroundings and other circumstances as close as possible to those of normal life.
- 5. The mentally retarded person has a right to a qualified guardian when this is required to protect his personal well-being and interests.
- 6 The mentally retarded person has a right to protection from exploitation, abuse and degree of mental responsibility

7. Whenever mentally retarded persons are unable, because of the severity of their handlable, because of the severity of their handlable, to exercise all their rights in a meaningful way, or it should become necessary to, restrict or deny some or all of these rights, the procedure used for that restriction or denial of rights must contain proper legal safeguards against every form of abuse. This procedure must be based on an evaluation of the social capability of the mentally retarded person by qualified experts and must be subject to periodic review and to the right of appeal to higher authorities.

See reference 4

What Are the Issues in Full Citizenship for Mentally Retarded Persons?

Fundamentally, the issue is whether a person who is retarded can live under all the implications of citizenship — the exercise of his rights, acceptance on equal footing by the community, and the opportunity to exercise choice among options affecting his, life and happiness:

Rights can be classified as human rights (those that most people feel exist and should not be clenied to anyone), and legal rights (those that have been enacted by legislators or for which precedent has been established by the courts).

supported by three general principles, positive presumption (no right may be denied an individual without proof that society's needs; require this be done), due process (even when an individual's right must be denied, it can only be done through a formal process, thereby safeguarding the person's chance to retain or, once denied, regain his rights); and instrumental protection (society's obligation to provide for its members the special assistance they might heed to exercise their rights)

The rights on the following page are those of all citizens. Mentally retarded citizens are presumed to have all the same rights as any other citizen.

This section describes some specific deficiencies in the critizen status of mentally retarded, persons, identifies some barriers to the improvement of their status and explores the vehicles being used to remove these barriers.

See reference 21

How Can Rights Be Classified?

of full citizenship under the three fundamental table, one can group many of the components principles mentioned on the previous page Although a good bit of overlapping is inevi

| Right to be ucation | Positive Presumptio |
|---------------------|---------------------|
| | umption |

- Right to panage one's own affairs
- Right todife and survival
- Aight to yote
- Right to worship
- Right to develop one's sexual and social identity
- Right to mairy
- Right to procleate
- Right to be pa d for work
- Right to dignity

を

Right to fail

manage one's ovin affairs retarded child. An example of the latter is the betiveen the rights of parents and of their example of the former, there may be conflicted among rights affecting the same person. As ar conflict between rights of two persons, or exercise may be in conflict. There may be It should be recognized that rights by their able protection from harm and the right ic essential conflict between the right to reason

today's realities may be replaced by new ones This list of ments is neither rexhaustive no Developments ocau So rapidly that

Due Process

- Right not to be labeled for exclusionary or discriminatory reasons
- Right to legal access to the courts
- To sue
- To contract
- Right to the least restrictive or alternative (in, any setting) d) astic

Instrumental Protection

- Right to treatment
- cluding Right to a developmental apportunity, in-
- Early intervention
- Family or family-like home
- Right to physical access to all facilities
- Right to have an advocate when needed

Right to reasonable protection from harm

Adapted from Cobb, H.V. "Gitizen Advocacy and the Rights of the Handicapped." In Wolfensberger, W., and Zauha, H., eds. Citizen Advocacy and Protective Services for the Impaired and Handicapped. Toronto. National Institute on Mental Retaidation, 1973

How Has Litigation Affected the C tizenship of Mentally Retarded

country, approximately according to popul months. It is likely that information for the full lation.) 1974 data were available only for ten lawsurfs have been brought in all sections of the plienomenon of the 1970's Data show that r would show more legal activity than in any following table shows that litigation on of retarded persons is essentially a

Sep reference 129. A Profile of Lawsuits Establishing the Legal Rights of Mentally Retarded Citizens, As of October 31, 1974

| - | | | | | - 1 | | | • | | or A | or Against | Decision |
|---|--------------------|----------|------|------------|-----------|-------------------------------|------------|------------|--------------------------------------|----------|---------------|-------------|
| | | | | | | | - | | | Pla | Plaintiff | • |
| | 1957 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | | ਨੂੰ | Against . | • |
| Right to Equal Educational Opportunity | ο , | ٥ | - | ω | - | = | 20 | 15 | Š. | 20 1 | ρ. | 3 |
| Right to Be face From Inappropriate | | | | | | | | | 1 | | , | 1, |
| Educational Classification, Labeling | | _ | | | 1 | * | | | | , | , | |
| and Placement | 3 | ° | 0 | 2 | 2 | <u>ن</u> | _ | O | ස් | ب س | > , | ת " |
| Right to Community Services and the | | | | | | | | | | | ļ | |
| Refit to Treatment in the Least | _ | | | , | , | • | | | | | - | • |
| Restrictive Environment | ° — | 0 | 0 | | - | ဟ | √ | - α | 1/20 | - · | <u>ي</u> | Σ, |
| Rulit to Be Free from Peonage | - | | | | | | | | 1 | , | | į |
| and Involuntary Servitude | 0 | 0 | 0 | . ; O | 0 | ~ √> | ~ | \ <u>\</u> | <u></u> | - Г | ɔ ` | u, |
| Right to Be Free from Restrictive | · | | - | - 1 | | | | | | Į, | | |
| Zohina Ordinances | _ | <u> </u> | 0. | | 0 | 0 | <u>-</u> - | ~) | <i>t</i> | 1 | -; -; | o |
| Right of Free Access to Buildings | | | | | | | | | | | | \(\lambda\) |
| and Transportation Systems | ° — | ° — | ٥. | - | 0 | ? | 0 | ~ ~ | ۵ | ٠ • | o | s |
| Right to Be Free From Unconstitutional | | | | | | | | | | | | , |
| Commitment Practices | 0 | 0 | 0 | | 0 | <u>.</u> | ω | 4. | 12 | ∞ | 0 | 4 |
| Bight to Procreate | 0 | 0 | 0 | 0 | | | ω, | 44 | ٥ | 4 | - | 4 |
| Busht of Equal Access to | | | | | | | | | | | | |
| Adequate Medical Services | 0 | 0 | | <u>-</u> | oʻ. | 0 | 0 | _ | " | <i>,</i> | ə. — | 5 |
| TOTAL | - | 0 | 1 | 9 | 5 | 38 | , Ot | 38 | 122 | 70 | ا د | àβ |
| At the time table was drawn only one appeal 17h | t Through 10:31:74 | 0.31/14 | | apted from | m · Legal | Adapted from Tegal Right Work | | p Kompei | dats) stud well to mubinedated anoth | ta∞ Suit | s (stub | |

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was pending in a community services decision At the time tame was drawn only one appear

dent's Committee on Mental Regardation, October, 1974 - c behing the Legal Blights of Mentally Retarded Citizens, Washington, D.C., Presi Adapted from (Legal Right: Well Group) Compendium of Low Suits (stab

What Is the Right to Education?

A class action lawsuit is an appeal for relief brought on behalf of one or more named prividuals and all persons in the same juris diction suffering the same abuses. It is a new tool for advocates of the mentally retarded, but has been used so dramatically and often that legal action has dominated the scene in the 1970's.

Although free public education is taken for granted by most Americans, large numbers of mentally fetarded children have been denied this right. Four major, or landmark, cases have begun to establish the requirement that public education be made available, to all.

Attorneys for the Pennsylvania Association for Retarded Children (PARC) argued that equal protection under the law, quaranteed by the Fourteenth Amendment to the Constitution, required that all children have equal access to public education and that they also have the right to due process of law. They based many of their arguments on the Supreme Court's ruling in Brown v Board of Education in 1954, that separate educational systems do not provide equal educational opportunity.

- 19/1 Pennsylvania Association for Retarded Children (PARC) et al v David H Kurtzman, et al.
- 1972. Milk, et al. v. Board of Education of the District of Columbia
- 1974: In re G. H. (North Dakota)
- 1974 Colorado ARC v State of Colorado

"It is ordered that the Commonwealth of Pennsylvania provide as soon as possible, but in no event later than September 1, 1972, to every retarded person between the ages of six and twenty one years as of the date of this order and thereafter, access to a free public program of education and training appropriate to his learning capacities."

PARC v Kurtzman May 5, 1972

Some Traditional Arguments for Exclusion
We cannot educate children who are not toilet trained

We cannot handle children who are not am bulatory

We do not have enough money to provide classes for retarded children.

We will excluse your child the cannot benefit.

further from our program

We do not accept children with a mental age

Sorne Expert Testimony in the PARC Case

Due process must be made a part of the educational system

Every child can be educated

The school is responsible for responding to the needs of the child

IQ does not determine absolute ability

Education is vitally important in every child's development

See references 1, 17, 48

tration of the program and report on progress ennsylvania also set up a Right to Education hth a legal background, to oversee admini pecially, to conduct due process hearings ith a background in education and the other hasters" or experts in mental retardation, one er each a public education. In order to make antally retarded child in Pennsylvania and free to handle special problems and decree effective, the court appointed two e Commonwealth agreed to search for every insylvania did not contest the arguments o t resulted in the order presented on page 80 experts and finally signed, a consent decree

sses for severely handicápped children were Insylvania's Right to Education office esti rted. New children are still being identified 73, 10,000 children were placed for the first tes that between May, 1972, and June l enrolled in schools as this is being written erely or profoundly retarded and 200 new n public schools. Of these, 2,551 were

eision of the court, in Mills they did e defendarits in PARC did not contest the heept of "zero reject" PARC had been hsent decree and significantly expanded the Mills decision came-shortly after the PARC ntally or physically handicapped children cerned only with mentally retarded children Mills sought public education for al

dcess hearing before being placed outside the Hools but that they also had a right to a due less to an feducational opportunity in public Adicapped persons have a right to equal Mills, Judge Waddy held that not only did al

> education consistent with his needs and ability entirely excluded from a publicly supported to benefit therefrom " equitably in such a manner that no child is then the available funds must be expended and programs that are needed in the system are not available to finance, all of the services considered a valid excuse: "If sufficient funds school placement Lack of money was not children could questiony decisions about their educational planning and develop immediately tutional grounds, to include all children in their "due process" procedures so that parents of the Washington, D.C School Board, on Consti normal classroom setting dudge Waddy ordered

education law to the actual provision of edu cation to all beyond the passage of a mandatory special court held that a State's responsibility extended court in Colorado, ARC a three judge Federal education opportunity from a State supreme In re G H is the only decision on equal

See references 17, 48, 75

What Is the Right to Treatment?

Occumentation on inhuman non-stimulating, and dangerous conditions in many public institutions for mentally retarded persons can be now be found in hundreds of volumes. Following are highlights from some of the most significant lawants on behalf of aftitutional residents.

Wyatt v Aderhofé (formerly Wyatt v Stickney) Alahama 1972 . ·

Burnham v Department of Public Health (Ceorgia) 1972

New York State Association for Retarded Children, et al. v. Nelson Rocketelliky, 1972

Welsch v. Likins, Minnesota, 1973

Horacek v. Exon. Nebraska, 1973

On November 8, 1974, the United States Court of Appeals, Eafth Circuits affine of the decision of the Enderal District Court that there is a Coastitutional right to treatment on behalf of persons confined in mental hospitals and State schools.

Aderholt and Brunham v. Goorgia. In the Aderholt and Brunham v. Goorgia. In the former the principle had been unheld in the latter, it had been denied. The Brunham case was femanded for trail in Georgia bift the State of Georgia is esking the United States Subreme Court to hear it on appeal.

By its decision in Wyatt, the court aftirmed a series of orders that have thus far been estrection in Wyatt case, but overtiles in Buinham. The following are the orders and requirements

- Minimum standards of safety at Partlox/State School
- Minimum staffing ratios for professional and non-professional personnel
- Prohibition of timpaid resident labor
- Individualized treatment place periodically reviewed
- Standards for sterilization (four residents vege "voluntarily" sterilized at Partloss during the course of the final)
- **Aunits on behavior modification and behavior
- * *modifying drugs *
- Probabilism of human expendientation
- Release' to the community with proper transitional services—of persons capable of such a move
- Treatment of all persons in the least restrictive habilitation setting

The Wyatt case has served as the basis for many suits, that have since been filled adainst justitutions around the country

to the Wyatt and other cases, the United Status Department of alustice played an active role, acting as a "friend of the court" (amicus curae) in some suits and starting action as plaintaff in cases of alleged violation of the rights of inientally retaided persons (e.g. United States v. Solomon, 1974, a case involving Rosewood Center in Maryland).

See reference 75, 130

What Is the Right to Freedom from Harm?

The two New York cases (New York State ARC and Parisi) both centered on Willowbrook State School, which was, at the time action was brought, the nation's largest residential facility for, mentally retarded persons, housing more than 5,000 persons.

As in the Wyatt decision, minimal standards of care were set down for Willowbrook. Central to the argument of the plaintiff, was the need to use the least drastic alternative method of treatment. To that end, seclusion is isolated rooms and the arbitrary and unsupervised use of physical (straitjackets) or chemical (drugs) restraints was prohibited Judgment was still withheld on the right to treatment (although the Fifth Circuit decision in wyatt might have some effect). The case is still in httigation.

voluptary commitment violate the children's right to treatment in the may be inconsistent, and that/parental commitleast restrictive setting and could not be called a ment of their children to institutions may declared that interests of parents and children munity services. In Horacek/Judge Urbom duty to develop and provide appropriate com-In Welsch the court expanded the Wyatt hold many transferred residents had been moved to dents to smaller facilities. As of December, other institutions operated by New York State ing by finding that the State has an affirmative 1974; the population was below 3,000, but Willowbrook's population by transferring resi In their testimony, defendants agreed to reduce

damages to a person who did not receive did not receiv

See references 76, 114

confined to a hospital for the mentally ill, a

In at least one case in Florida involving a person-

What Is the Right to Payment for Work?

thas been estimated that in 1970 the value of impaid resident labor in facilities for mentally intracted persons and by mentally retarded esidents of public mental institutions was 1.25 million dollars. This labor was often essential to the operation of these facilities, including pusekeeping, laundity, repair work and even care of other residents. A series of rulings have found this to be unconstitutional under the fiwelfth. Amendment to the Constitution, which prohibits involuntary servitude (peginage).

73: Souder, et al v Brennan, et al Wash ington, D.C.

973: Brennan v Towa 974. Jortburg v U.S. Department of Labor,

Prohibition of resident labor without compensation has posed a dilemma. Many States have stopped using resident help, but this has deprived these individuals of what, to them, was their most meaningful activity. In many cases their most meaning to replace resident labor. One of the principal arguments that remains un answered is why anyone capable of working in a sheltered setting.

At least two states, New York and New Jersey, have employed significant numbers of former resultents at institutions, while providing transitional living arrangements elsewhere. This has

not always been the case. Many persons have been made idle by these rulings and have not always moved into the community

See references 23, 76

Another strategy in protecting the rights of retarded persons is legislation

· How Does Legislation Affect the Right

of Mentally Retarded Persons?

Right to Education

education is apparent from the following table

| Date of Compliance | Date of | Compliance | Ages of |
|--|--|-------------|--|
| | | | |
| type of Managary | | 4 | |
| Tull Planning and Programming | 19/ | 1977 | 6 21 |
| full Program | 19/4/ | • | From age 3 |
| Seley uve Planning and Programming | 19/3 1 | 9-1/76 | 5 21 . 3 |
| Full Planning and Programming | 1973 ' | 1979 80 | 1 6 21 کی . |
| Selective | | | 6 21 . |
| Full Planning and Programming | 1973 | . 11/15 | 5 21 |
| Full Planning and Programming | 1966 | | 4 21 |
| Full Program Wherever Possible " | | • | 4.21 |
| No Statute | | | |
| Court Order I all Program | 7,61 | 19/7 | From age b |
| , Fall Program, | | 1973 | (13 yrs quaranteel) |
| Full Planning and Programming | 1968 | 1975 76 | 3 20 |
| f ull Program | 1949 | , | 5 20 5 |
| f uff Program | 1972 | | 6 21 |
| Full Programa | , 1965 | / 1/69 | 3 71 : |
| Full Planning and Programming | 1969 | 19/3 | 6 18 |
| full Program | 1974 | | Birth 21 |
| Full Planning and Programming | 1974 | 1979 | Developmentalty |
| 2 | | | Drsabled Birth 21 |
| Planning and Programming Petition | 1970 | 1974 | 6 21 , |
| . (Trainable Mentally Retaided Only) | 1962 | | |
| Court Order Orleans Parish only | 1973 | 1973 | 6 21 . |
| Selective for Mentally Retaided Otherwise Permissive | | • | ** |
| of all Planning and Programming | , 1973 | 1975 | |
| f all Planning and Programming | 19/3 | 1979 | |
| f all Planning and Programmang | 197, | 9/1 /4 | 3 ?¥. |
| Juli Planning and Programming | 1071 | 1923, 74 | Buth 55 |
| full Program " | | 1:12 | |
| Permissive | | , • | • |
| | Ale domination of the second o | nduly yello | 1977 1978 1973 1973 1973 1973 1973 1974 1974 1974 1974 1975 1977 1973 1973 1973 1973 |

| | န | | ; | ş : | ≨ | ¥. | . Ş . | . <u><</u> | < | ڌ | 76 | [| Sou | Sou | 2 | - | _ | Pe | | ō | Q | | | ō | z | z | | | | .z. | , Ž | z | .z | z | |
|--------------------------------|-----------------------------------|---|--|--|-------------------------------|---|--|---|--------------|--------------|--------------|-------------------------------|---|-------------------------------|--------------|-------------------------------|--------------------------|-----------------------|------------------------|--------------|--------------|--------------------------------|------------------------------------|-------------------------------|-------------------------------|---|-----------------------------|----------------------------------|--------------------------------|--------------------------|-------------------------------|--------------|----------------|--------------|-----------|
| Se reference 27 | | | | Avonina Avonina | | es Virginia | Washington | Virginia | ermont | 3 | fexas. | ennessee | outh Dakota | outh Carolina | Rhode Island | - | • | Pennsylvania | | Qregon . | Oklahoma . | | | 70 | Nurth Dakota | North Carolina | =- | - | | New York | New Mexico | New Jersey | New Hampshire | Nevada | |
| | , | | - Cu Cu Cu | Full Program | Full Planning and Programming | Full Program | Full Program . | Full Program | Full Program | Full Program | Full Program | Full Planning and Programming | Full Program | Full Planning and Programming | Full Program | Full Planning and Programming | (Mentally Retarded Only) | Court Order Selective | , | Full Program | Full Program | Retarded Children in district) | more crippled or Educable Mentally | Selective, by Petition (18 or | Full Planning and Programming | Full Planning | homogeneously in same class | more children who can be grouped | (N Y C only) Conditional 10 or | Court Order Full Program | Full Planning and Programming | Full Program | Full Program . | Full Program | |
| | | • | 1909 | 1973 | 1073 | 1974 | 1971 | 1972 | 1972 | 1969 | . 1969 | 1972 ' , | 1972 . | 1972 | • | 1956 | | 1971 72 | , | 1973 | 1971 | 1972 | | | 1973 | 1974 | | | | 1973 | 1972 | 1954 | | 1973 | |
| • | | • | | 0//4 | 0/7/ | . 1974 | 1 | | | 9 | 1976 77 | 1974 75 | | 1977 | 1964 | 1956 | , | 9/72 | | | 9/1/70 | 1973 | ••• | | 7/1/80 | | ٥, | | | 1973 | 1976 - 77 | • | | • | , 4, ., , |
| - GJ | ⊅ | | 0 2 | n ∪ <u>\</u> | י ני ני | . 5 23 | 6~21 . | , 2 21- | Birth 21 | 5 18 | 3-21 | 4 21 | Birth 21 | 6 21 | 3 * 21 | 6 21 . ` | | , 6 21 | Others Birth 21 · ` -> | . EMR 6 21 | 4 21 | , 6 kg . | • | From age 5 | 6 21 . | Birth - Adul Mood | | ÷. | | | 6- 21 | § 20 | Birth 21 | 5 18 | |
| house or comprehensive program | concept of comprehensive programs | More and more. States are moving to the | guaranteet that requirements have been met | required by law or court order and they do not | * ME | education. The compliance dates are those | that effectively reliminate some students-from | there are many mandates that carry conditions | | | • | | * • | | • | , | , | • | • | | | • | | | | • | • | • | | | • | , , | , | ; | · |
| 100 | ns for all | na to the | been met. | hey do not | or C. Charles | aro . | lents-from | conditions | اسم ا | Š | | ٠ ﴿ | • | | | • | ,` | ٠., | | • | • | | • | | • | • | , | • | | | ٠. | - | ٠. | | |

89

Nebraska Nevada

Full Planning and Programming Full Planning and Programming Full Program

1973 1974 1973 1973

7/1/79 10/1/76

ကြေကြော 21 18

Missouri

Mantana

etc. These are the first examples of statutory e.g., educable mentally retarded, cerebral palsy, are examples) and away from categorical labels,

handicapped children (Texas and Massachusetts

"måinstreaming."

What Effect Does Legislation Have in Other Areas?

One can point to many pieces of legislation that have been enacted, but for which enforcement programs are largely undeveloped

The Right to Be Trained, to Be Employed, and to Be Paid

- Fair Labor Standards Act, 1966, Public Law 89 601 Following the decision in Souder v. Brennan, 1973, the United States Department of Labor has issued regulations on the application of this act to persons in institutions for the mentally retarded
- Rehabilitation Act of 1973, Public Law 93 112 This requires that severely disabled persons be given preference in rehabilitation and requires "affirmative action" in hiring handicapped workers by certain employers

Right to Physical Access

- Public Law 90 480 All new Federal construction must be accessible to handicapped persons
- Public Lay 93, 383. Community Development Act of 1974. This makes provision for econoval of architectural barriers are public frousing.

Right to Be Free from Discrimination

The Civil Rights Act of 1964 Public Law 198-352 are find ded Executive Orders of the President perhabit discrimination because of Saire, religion age or as the addition, the 1973 Rehabitithos Act probabits discrimination because of mental or physical hand-caps

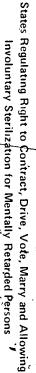


How Do Questions of Competency Affect the Citizenship of Mentally Relarded Persons?

Civil Law

The discussion until now has been of rights. An equally important component of citizenship is responsibility. The table below shows the wide variation in State regulation of some different activities of retarded persons.

A problem that has not yet been resolved is that of partial competence, or competence for orle task and incompetence for another. The pulgment that a retarded individual could not marry, for example, has often been generalized to exclude him or her from other responsible activities.



| Authorized by Law | Allow for Adjudication of Incompetence | Prohibition | Kind of Regulation · | |
|-------------------|--|-------------|--|--|
| | ion | | | |
| | 12 | 22*. | Regulate Right ### Get Drivers License (As of 1970) | |
| - , , | 29 | ن ن | Regulate Right to Vote (As of 1974) | |
| 7 | 0* | . 12 | Regulate Right to Marry (As of-1972) | |
| | 27 | 0 | Regulate Right to Contract (As of 1970) | |
| 24*** | | | Allow Involuntary Sterilization (As of 1972) | |

Blank boxes: not applicable

*No information on 16 States

**(In at least one State, Alabama, the law has been changed due to the judge's decision in the Wyatt case.)

Some of this information is undoubtedly out of date, but the picture remains far from uniform across the United States Regulations differ widely in definition and application or enforce ment among States

See references 12, 69, 87

Siminal Law

was found that while only five percent of the stimated 140,000 mentally retarded citizens in the State ever come in contact with law forcement authorities. 28 percent of the dult inmates of Georgia's penal institutions were mentally retarded

h a nationwide survey of penal institutions in 963 it was found that 95 percent of 90,000 ested prisoners were mentally retarded. (There ere sharp differences among regions. The ercentages for a group of Southern states was 4.3, for the Mountain States it was 2.6.)

he classification of mental retardation here is a ased on an 1Q below 70

tudies have shown that retarded persons are to necessarily more likely to commit crimes, but of they do, they are more likely to be rested

Legal authorities are divided over how much responsibility must be attached to the antioccial or criminal hehavior of retarded persons obesitions center on the degree to which mental retardation interferes with the ability to act responsibly. There are three major rules of criminal responsibility in use by the courts.

- M'Naghten Rule A person is not criminally responsible if he is unable to distinguish between right and wrong
- Durham or Product Rule. The accused is not responsible for a criminal act if such act was the product of a mental disease or mental disease.

Diminished Responsibility, the American Law Institute's Model Penal Cofle A person is not responsible for an act, if, at the time; he cannot appreciate its criminality, or conform his actions to the requirements of law; the terms "mental disease or defect" do not include, an abnormality manifested only by repeated criminal or otherwise anti-social conduct. The terms . shall include congenital and traumatic mental conditions as well as disease.

Mitigating circumstances are often helpful in averting harsh punishment for "naive offenders," but incompetency is a two-edged judgment. It has resulted in commitment "until cured," which could mean for life in the 1972 case of Jackson v indiana, the United States Supreme Court held that indefinite commitment of a criminal defendant solely because of incompetency to stand trial (in this case due to mental retardation) violates the Constitutional right of due process. It ordered indiana either to release Jackson, or start civil commitment proceedings (to an institution)

See references 7, 12, 13, 76

How Can Full Citizenship of Retarded Persons be Assured Other Than Through Law?

Two mechanisms are paramount in providing mentally, retaided and handicapped persons with what we referred to above as "instrumental protection". One is public protective services, the other is voluntary citizen advocacy

Protective services are undertaken as a public responsibility, usually by a governmental agency, whereby handicapped or other disadvantaged persons receive protective help both on their behalf and that of the general community

Citizen advocacy is a program of volunteer assistance by mature, competent citizens who represent the interests of the handicapped person entirely on his own merits, notwith standing the expectations of the general community

Protective services were begun by social agencies to protect disadvantaged children from abuse or neglect (Their underlying principle is parens, patriae — the state as parent) In a sense, protective services became the voice defending those who could not defend themselves. They have existed for about 100 years and, in addition to traditional social casework practices, include adoption, foster care, and guardianship.

Key Elements of Protective Services

- Professionalism
- Legal authorization necessary
- Assignment of "cases"
- Leggi action authorized to protect client citerests
- rd public agency
- Concentration on instrumental needs of allent

Common to Both

Out reach (seeking persons in need of assistance)

Key Elements of Citizen Advocacy

- Voluntarism
- Legal authorization unnecessary
- Matching of advocate and "protégé"
- Legal action possible, depending on resources of citizen advocacy office
- Public education
- Freedom from conflict of interest
- Concentration, on needs of client and his expressive need for friendship or for a confidant

mental agency could not use all their efforts to that persons receiving a salary from a governthe potential conflict of interest. It was felt deficiencies in protective services; most notably was started in response to what were felt to be provide services to their clients. At some point Citizen advocacy for mentally retarded persons services) someone to talk to) are given equal weight with their interests (keeping their job) would connis instrumental needs (those economic or legal documented, is that the expressive needs of the ocacy, one for which the need has been flict with those of their client (receiving ndividual might need assistance in performing) nandicapped person (the need for friendship or unctions necessary to his welfare, that the Another dimension of citizen, ad-

protective services exist in all States, but special provisions for handicapped persons are missing in many of them. For example, guardianship laws, relating to the intervention of an interested person (relative or designated friend) to administer the property and/or protect the well-being of a child or person in need of assistance, have special provisions for handicapped (including retarded) persons in only nine states. Of these nine, only four (California, Minnesota, New Jersey, and Ohio) have a protective service system accompanying the

The first citizen advocacy project for mentally retarded persons began in 1970 in Lincoln, Nebraska Between that time and mid 1973, 46 offices were functioning in the United States and Canada Other cities have expressed interest

in acquiring the necessary resources and attracting enough persons to serve as citizen advocates.

Citizen advocacy programs have not been evaluated in terms of impact. This represents a gap in-knowledge.

See references 97, 122

Mentally Retarded Persons? How Do Attitudes Affect the Rights of

attitudinal studies have been undertaken. At ferent activities (school, work, marriage, institutionalization) and among different groups (peers, teachers, parents, men, women titudes have been studied with regard to dif which they are treated. Because of this, many mentally retarded persons determine the way in is widely believed that attitudes toward

children in regular classes, or vice versa proves attitudes toward them, or that children experience with mentally retarded persons imın special classes are seen more positively than Different theories have been tested, e.g., that

things have usually been ignored: same treedoms expected for other citizens. And ñess to allow mentally retarded persons the knowledge. Most of them do show an unwilling inconclusive and leave a major gap in current The results of attitude studies are generally it has been pointed out that two important

- Most attitude surveys have asked people to ceived, thereby reducing the validity of respond to stereotypes of retarded people. By describing subjects as "eternal children," tindings determining the kind of response they re nine," researchers unable to develop past a mental age may have been pre
- retarded they acted positively dealings with individuals who were mentally Evidence is mixed on whether expressed mentally retarded persons, people harbored negative attitudes toward have been some studies which showed that attitudes determine people's behavior but in their

normal residential and work environments. of mildly and moderately retarded people in investigate how Americans accept the presence conducted tardation recently sponsored a nationwide poll The President's by the Gallup Organization, to Committee on Mental

Some of the results are these:

- Only five percent of respondents would object to working alongside a properly person. trained, mildly or moderately retarded
- Only nine percent would object to having a persons who have been trained for com group of six mildly or moderately retarded nunty life occupying a home on their
- Fourteen percent think there is reason to fear mentally retarded people

95

not always be reflected in their subsequent actions. they would do or believe. Their statements may. The poll presents results of what people say

See references 43, 49, 91

Mhat Do Mentally Retarded Persons Have to Say?

n 1970 in Malmo, Sweden, a group of fifty pentally retarded youing adults met to discuss their needs and whether they were met or unmet.

ere are some of their ideas, as reported by a proup leader.

<mark>O</mark>n Leisure Time

- Wé want to be together in small groups during our leisure time
- There should be moré possibilities for sports and exercises
- other youngsters of the same ages.
- We have all agreed that we want more power of participation in decision-making, especially in planning and implementation of leisure time activities.

On Living Conditions

We wish to have an apartment of our own and not be coddled by personnel, therefore, we want courses in cooking, budgeting, etc. We want the right to move together with the other sex when we feel ready for it, and we also want the right to mairy when we

We who live institutions found that

ourselves feel the time is right

- The homes should be small
- We will absolutely not have specific hours to follow in terms of going out, returning, etc., and
- Even in institutions, we want to be able to go steady and hije together with the other sex without having the personnel interfering with our private lives.

On Education

- We think that the name "separate school" is degrading.
- There should be student councils which can take part in decisions about the curriculum, the choice of books, leisure time activities in school, etc

On Work

- We demand more interesting jobs
- We do not want to be used on our jobs by doing the worst and the most boring tasks we do at present.
- We want that when we are working in the open market our fellow workers should be informed about our handicap.

Recently, in California, eight mentally retarded adolescents discussed what it means to be called retarded

- It's more the way it is said. It's not that word It could be any word, really
- Let the kid go out and make his own mistakes and learn from them
- They'll grow out of some lof the mental retardation], but if the mother protects them, they'll never grow out of it
- You gotta evaluate the youngster on an individual basis. Not compare one to another, like a tennis match.

See references 10, 132, 133.

Are There Organizations Working for Full Citizenship for Mentally Retarded Persons?

and, in 1974, "The National Association for local upit has significant than 1,500 State and local member units. Each to include more than 250,000 members in more Retarded Citizens " Association for Refarded Retarded Children," mental retardation have been brought about through thể efforts ợf a giệup that called itself, Many of the developments in the field of "Parents The Association has grown in 1951, "The National Friently of Mentally Children (NARC) autonomy in the

catron of handicaps, are many others. In the following listing are the vocating for mentally rethicled persons, there capped these groups deal not just with one classifi becoming increasingly more continon, many of make up the leading edge of the rights move names and addresses bt some organizations that Although persons, NARC such handicapped persons in but with groups of handr ratai tied chuzens. As is as developmentally major group ad

> National Association for Retarded Citizens (NARC) 2709 Avenue E East P O Box 6109 Arlington, Texas 76011

The Council for Exceptional Children (CEC)
State Federal Clearinghouse
1920 Association Drive
Reston, Virginja 22091

American Association on Mental Deficiency (AAMD) 5201 Connecticut Avenue, N W Washington, D C 20015

National Information Center for the Handicapped (Closer Look) Box 1492 Washington, D.C. 20013

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National Center for Law and the Handicapped 1235 North Eddy Street

South Bend, Indiana 46617

Mental Health Law Project
84 Fifth Avenue
New York, New York 10011
and,

1751 N Street, N.W.
Washington, D.C. 20036
The Center on Human Policy
216 Ostrom Avenue
Syracuse, New York 13210

American Civil Liberties Union 85 Fifth Avenue
New York, New York 10011

Cepter for Law and Social Policy 1600 Twentieth Street, N W Washington, D.C. 20009

President's Committee on Employment of the Handicapped
1111 20th Street, N.W.
Washington, D.C. 20210

President's Committee on Mental Retardation
Washington, D.C. 20201

See reference 80

What Are the Economic Benefits or Preventing or Ameliarating Mental Retardation?

The following three pages discuss the economic factors of specific forms of prevention and direct service. They are based on the best financial and case service information available to the analysts who made the cost-bengfit calculations. The evidence presented by the figures clearly points out that it is economically sound to provide these measures, unsound not to do so. This economic viewpoint does not, of course, cover questions or right and wrong, of social justice, or other motivating values that lead society to expend resources on mentally retarded pressons

The right hand figures refer to gams that would be made by avoiding the cost of special services to deal with handiqapping needs of mentally retarded persons if they were not bonn. The left hand figures refer to those gams plus the added gams to society if the birth of a relatively "non-productive" person was prevented and replaced by the birth of a relatively "productive" person Discounting means adjusting future benefits to current prices, in this case, 1970. The discount rate used was seven percent per year.

Estimated Economic Value of Preventing Mental Retardation Among Persons Born in 1952, Using 1970 Prices

| | · Prevention | Prevention of Brein Damage or Replacement Birth | ge or Replace | ment Birth | Prev | ent Birth witl | Prevent Birth without Replacement | nent |
|-----------------------------|--------------|---|---------------------|------------------|-----------|----------------|-----------------------------------|-----------------|
| | Meie Not Di | Not Discounted | Male Fer | unted Ferfale | Mole Fema | Female | Discounted Mele Fe | unted Female |
| 10 bolow 40 | | | | İ | | - | | |
| Includes earnings gain but | | f | | | | | | |
| not values of housekeeping | د | | ļ | | ٠. | | | |
| and other unpaid work | \$739,000 | \$739,000 \$291,000 | \$202,000 \$107,000 | \$107.000 | • | | | • |
| Includes total productivity | | | | | \$246,000 | \$254,000 | \$135,000 \$136,000 | \$136,000 |
| gain | 891,000 | 505,000 | 235,000 | 152,000 | | | | |
| 1O 40 to 49, | | | | | | | | |
| Includes earnings gain but | | | • | | | | | , |
| not values of housekeeping | | | • | | ` | | | |
| and other unpaid work | 654,000 | 258,000 | 179,000 | 95,000 | 193 000 | 198 000 | 118 000 | |
| Includes total productivity | | | ٠ | | * 000 | ,000 | | 0.000 |
| gain | 790 000 | 442,000 | 209,000 | 133,000 | | | | |
| 1O 50 to 69. | • | | • | | | | | |
| fot values of housekeeping | | | | | | | ~ | |
| and other unpaid work | 118,000 | 70,000 | 25,000 | 17,000 | | | | |
| Includes total productivity | , | | | | 20,000 | 21,000 | 22.000 | 22.000 |
| gain a ring | 144,000 | 94,000 | 30,000 | 22,000 | | | | |
| | | | | | | | | |

Source Conley, R. The Economics of Mental Retardation. Baltimore. Johns Hopkins Press, 1973

In a study dope in 1969 for the Jonted States Separte Committee on Nutrition and Human Needs, it was estimated that elimination of malnutrition would provide economic hepefits to this country of between 14 and 50 billion dollars

A large portion of this would be in reduced infant mortality and morbidity Based on a summary of nutritional studies, the author estimated that proper nutrition would account for a 10 to 30 percent improved performance, both-metital and physical, among children. If malnutrition contributes to mental retardation biologically or functionally, improved nutrition may significantly reduce its costs.

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See references 23, 90

What Are the Economic Benefits of Preventing or Ameliorating Mental Retardation?

The following three pages discuss the economic factors of specific forms of prevention and direct service. They are based on the best direct service. They are based on the best of the analysts who made the cost-benefit calculations. The evidence presented by the figures clearly points out that it is economically sound to provide these measuras, unsound not to do so. This economic viewpoint does not, of course, cover questions of right and wrong, of social justice, or other motivating values that lead society to expend resources on mentally retarded persons

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Estimated Economic Value of Proventing Mental Retardation Among Persons Born in 1952, Using 1970 Prices

| | Prevention | Prevention of Brein Damage or Replacement Birth | ige or Replace | ment Birth | Pren | Prevent Birth without Replacement | out Replacen | 1001 |
|-----------------------------|------------|---|----------------|------------------|----------------|-----------------------------------|-----------------------|-----------|
| | Mot Dis | Not Discounted | . Discounted | unted Ferkale | Not Discounted | .Female | Discounted Male Fe | unted |
| IQ bolow 40 | | | | | • | | } | |
| Includes earnings gain but | | | | • | | | | |
| not values of housekeeping | د | $\left \right $ | | | ٠, | | | |
| and other unpaid work | \$739,000 | \$291,000 | \$202,000 | \$107.000 | | | | • |
| Includes total productivity | | | | | \$246,000 | \$254,000 | \$135,000 \$136,000 | \$136,000 |
| gain | 891,000 | 505,000 | 235,000 | 152,000 | | | | |
| IQ 40 to 49, | | | | | | | | |
| Includes earnings gain but | | | • | | | | | , |
| not values of housekeeping | | | • | | • | | | |
| and other unpaid work | 654,000 | 258,000 | 179,000 | 95,000 | 193 000 | 100 000 | • | |
| Includes total productivity | | | | | | .00,000 | | 10,000 |
| 911n | 790,000 | 442,000 | 209,000 | 133,000 | | | | |
| 1Q 50 to 69. | • | | • | | | | | |
| hicludes earnings gain but | | | | | | | | |
| hat values of housekeeping | | | | | | | - | |
| and other unpaid work | 118,000 | 70,000 | 25,000 | 17,000 | | | | |
| · , | | | | | 20,000 | 21.000 | 22,000 | 22.000 |
| Includes total productivity | | | | | | • | | ,,,,,, |
| gam | 144,000 | 94,000 | 30,000 | 22,000 | | | | |
| | | | , | | | | | |

Source Conley, R The Economics of Mental Rotardation Baltimore Johns Hopkins Press, 1973

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Se references 23, 90

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What Is the Economic Impact of Vocational Rehabilitation of Mentally Retarded Persons?

If one assumes that a successful vocational rehabilitation of a mentally retained person, as defined by the Federal Vocational Rehabilitation program—placement in a job following rehabilitation services for at least sixty days—leads to enduring employment, the following cost-benefit relationships can be attributable to the rehabilitation effort.

Value of Future Earnings Generated by Each Dollar Spent on the Vocational Rehabilitation of the Retarded at Different Ages
Discounted by 7%, 1970

| Moderately Retarded (IQ 40 to 49) Male Female | Mildly-Retarded Male Female | |
|---|-----------------------------------|---|
| 2.2 | \$14.2 8.3 | Ages |
| 2.3 1.3 | \$14.8 8.4 | Ages of Retarded Persons When Rehabilitated |
| 723 | S | Persons Wh |
| 2.1 | \$13.5 6.9 | en Rehabili |
| 1.7 0.9 | \$10.7 . | tated 45 vrs |

Source Conley, R The Economics of Mental Retardation Baltimore Johns Hopkins Press, 1973

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See reference 23

What Education of Wentally Persons? s ₹ Economic

Impact of Retarded of

tardation and type of education ferences are shown productivity of mentally retarded persons. Diffor different forms of education and future A similar analysis and comparison can be made by sex. degree of re-

> Ratio of Future Earnings of Retarded Workers to Costs of Their Public Education, Discounted at 7%, 1970.

Adjusted for Percentage

Assuming Continuous

| | En | Employed | En | Employment |
|--|---------------------------------------|---------------------------|-------------------|---------------------------|
| 3 | , , , , , , , , , , , , , , , , , , , | Earnings Plus Unpaid Work | • | Earnings Plus Unpaid Work |
| 3 | Earnings Only | Other Than- Homemaking | Earnings. Only | Other Than Homemaking |
| Mildly retarded | • . | 3 | • | • |
| Males \ . | • | • | , | • |
| All regular education | 8.3 | 10.4 | . 9.7 | 12.1 |
| All spedial education · • | 4.3 | 5.4 | 5.1 | 6:4 |
| Combination | 5.9 * | 7.4 | 6.9 | ` 8.6 , |
| Females | , , | • | | |
| All regular education | 1.8 | 2.5 | 5.7 | 7.8 |
| All special education · | • 1.0 | , 9 1.3 | (3.0 | 4.1 . |
| Combination | 1.3 | 1.8 | 4.0 | 5.6 |
| Moderatěly retarded Males | 0.3 | 0.4 | ာ အ | 100 |
| Females | 0.1 | 0.1 | 0.4 | 0.6 |
| • | • | • | | |

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Source Conley, R. The Economics of Mental Retarda-tion Baltimore Johns Hopkins Press, 1973

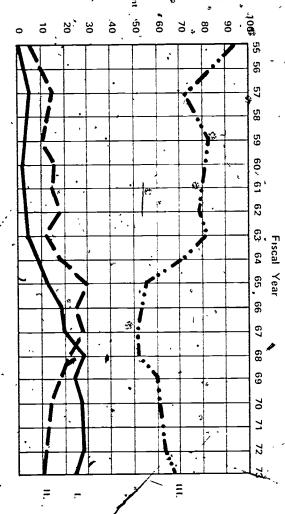
See reference 23

on Mental Retardation Programs? What Are the Trends in Federal Spending

passed in the early 1960s, the Federal governto an estimate of 982.8 pullion dollars in Fiscal from 15.79 million dollars in Fiscal Year 1955 the mentally retarded. Federal expenditures rose ment began playını a major role in services for legislation and priggrams

search, construction, and coordinating agencies mentally retarded relative importance and III "Personal Main enance," or funds for in three types of Education, and We In "the" chart at ric ding of difect services for nt, Braddock compares the e änd|medical insurance) . ြီး'endageဤနာၤs'´ (ြူ"Chent trauling of personnel, re persains, fare experidiffures over time of pepartment of Health hua, ur ibo d...

Trends in Proportion of HEW Funding for Three Types of Mental Retardation Programs



Chent-Centered Engagement

Program and Development Engagement Personal Maintenance Engagement

classifications equal 100 percent of HEW mintal retardation engagements Note For each Erspal Year funds obligated for these three object

HEW The Department of Health, Education, and Welfare

Adapted from Braddock, D "Mental Retardation dissertation funds. An Analysis of University of Texas at Austin, 1973 Federal Policy." Doctoral



Braddock found that although the mental retardation budget was escalating rapidly, most of the increases in spanding were attributable to Federal funds for pecchal mainterance. In recent years this has affected the proportion of funds available for client services and program administration

Braddock reported fragmentation among HEW mental retardation programs, listing 46 separate program elements that made up HEW's effort for mentally retarded persons in 1973. This fragmentation complicated comprehensive planning because so marry different agencies, with different funding patterns and different regulations, were serving mentally retarded persons.

REFERENCES

- Towing ssue and-Weinttaub, F. J. "Appropriate Education for All Handicapped Children: A 'Syracuse Law Review, 23 (Spring, 1972):1057
- Accreditation Council for Facilities for the Mentally Retarded. "Everything nted to Know Ahout Accreditation." Chicago: Accreditation Council for Facilities for
- 3. ACTION Personal Chriespondence. December, 1974
- d Didmond, L. K. Erythroblastosis Fetalis. Boston: Little, Brown and Co., 1958
- ciation on Mental Deficiency. "Social and Legislative Issues." Washington, D.C.: Association on Mental Deficiency, June, 1974
- M., and Wolf, J. M. The Multiply Handicapped Child. Springfield, Illinois: Charles
- Atlanta Association Justice System. Atlanta, Georgia: Atlanta Association for Retarded Children Retarded Children. The Mentally Retarded Offender and Georgia's
- Berryman, D. L., et al, "Enhancement of Recreation Services to Disabled Children" New York New York University , School of Education, 1971
- Birch, J. W. Mainstreaming. Educable Mentally Retarded Children in Regular Classes. Reston, | Council for Exceptional Children, 1974
- bouls in Extremis. An Anthology on Victims and Victimizers. Boston: Allyn and
- Braddock, D dissertation, University of Texas at Austin, 1973 "Mental Retardation Funds. An Analysis of Federal Policy." Doctoral
- Brakel, S. J., and Rock, R. S. The Mentally Disabled and the Law. Rev. ed. Chicago. University of Chicago Press, 1971
- Nationa Institute of Mental Health, 1971 and Coulit The Mentally Retarded Offender Rockville, Marylanc
- Bureau of Suppleme Income "The SSI Program Data Update" Baltimore Social
- 15. California Dipartinent of Mental Hygiene Annual Mental Retardation Census Tabulations 1974; Unpublished data
- Callison, J vance Release of Supplemental Security Income Program Data +October Social Security Administration 1974

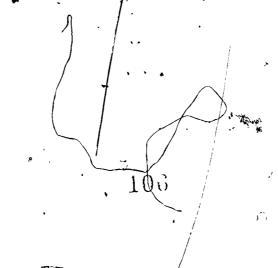
10,.

- 17. Chavious, A. Specialist for the Mentally Retarded, Pennsylvania Right to Education Office. Personal Communication. December, 1974.
- Clarke, C. A., and McConnell, R. B. Prevention of Rh- Hemolytic Disease. Springfield, Illinois: Charles C. Thomas Publishing Co., 1972.
- Department of Health. Personal Communication. January, 1975. D. Chief, Developmental Disabilities Community Services Section. California
- 20. Cobb, H.V. "Citizen Advocacy^eand the Rights of the Handicapped." In Wolfensberger, W., and H., eds. Citizen Advocacy and Protective Services for the Impaired and Handi-Toronto. National Institute on Mental Retardation, 1973.
- 21 Cobb, H. V. The Forecast of Fulfillment: A Review of Research on Predictive Assessment of the Adult Retarded For Social and Vocational Adjustment, New York: Teachers Coffege
- 22. Cobb, H. V. "The Past, Present and Future of Mental Retardation." Paper presented at PGMR
- Conley, R. The Economics of Mental Retardation. Baltimore: Johns Hopkins Press, 1973

Futurists Conference, Asılomar, Calıfornia, December 8–10, 1974.

- Connecticut Department of Health. Mental Retardation in Southeastern Connecticut. Waterford, Connecticut: Seasidé Regional Center, December, 1970.
- 25 Conroy, J. W., and Derr, K. E. "Survey and Analysis of the Habilitation and Rehabilitation D. C.: Department of Health, Education, and Welfare, 1971. Status of the Mentally Retarded with Associated Handicapping Conditions." Washington 105
- 26. Cooper, L. Z "Rubella." In Pediatrics, 15th ed., pp. 759-769. Edited by Fl. Li Barnett. New York: Meredith Corporation, 1972.
- 27. Council for Exceptional Children. "State Statutory Responsibilities for the Education of Handicapped Children "Reston, Virginia Council for Exceptional Children, August 21,
- Cruickshank, W. M. 1974) - 67 - 83 "The False Hope in Integration." The Slow Learning Child, 21 (July,
- 29. Cunningham, G. C "Phenylketonuria Testing — Its Role in Pediatrics and Public Health." CRC Critical Reviews in Laboratory Sciences, 2 (1971):45-101.
- Davies, S. P. The Mentally Retarded in Society. New York Columbia University Press, 1959.
- 31. de la Cruz, F. Special Assistant in Pediatrics. Mental Retardation Branch. Natronal Institute of Child Health and Human Development Personal Communication, 1975.
- de la Cruz, F., and LaVeck, G. D., eds. Human Sexuality and the Mentally Retarded. New York Brunner-Mazel, Inc., 1973.

- 33. Deno, E. Cited in Assembly." Exceptional Children, September 1973, p. 71. Mayηbrd Reynolds, "Two Policy Statements-Approved by CEC Delegate
- Developmental 1970's. Philadelphia Temple University, June, 1973. Disabilities Center. Manpower Projections for Dévelopmental Disabilities in the
- <u>35</u> Diamond, L. Pediatrics 41 (1968): 1-4. "Protection Against Rh Sensitization and Prevention of Erythroblastosis
- 36. Do∐, E. A. "The Estentials of an Inclusive Concept of Mental Deficiency." American Journal of Deficiency, 96 (October, 1941): 214-219.
- 37. Edgerton, R. California: University of California Press, 1967 B. The Cloak of Competence: Stigma in the Lives of the Retarded. Berkeley,
- 38. "Employmen nc., 1968 Transportation and the Handicapped. Cambridge, Massachusetts: Arthur D.
- Emery, A. E . Antena Diagnosis of Genetic Disease. Baltimore Williams and Wilkins, 1973.
- Eyman, R " America .., et al. th Journal of Mental Deficiency, 76 (May, 1972):692-698 Factors Determining Residential Placement of Mentally Retarded
- Federal Register 39 CFF 26, Sec. 50. 202 (b).
- 42. Florida Department of Sunland Centers fo ealth and Rehabilitative Services. "A Profile of Residents in Florida's the Retarded." Tallahassee, Florida: Division of Retardation, 1974.
- 43. The Gallup Organization The Gallud|Organization, Inc., December 3, 1974. "Public Attitudes Regarding Mental Retardation." Princeton, New
- 44. Department of Health, Education, and Welfare, Social and Rehabilitation Service, 1968., Feirgold M., eds. Atlas of Mental Retardation Syndromes Washington, D. C.
- 45. Genetic Counseling A Monthly News Etter, 2 (April, 1974):59
- Georgia Depa Georgia Departme rtment. of duman Resources. "How Do the Poor Make It?":Atlanta, Georgia: of Human Resources, 1972
- 47. Glenn, L., ard Wolfensberger, W. Program Analysis of Service Systems. Handbook, Toronto.) Institute on Mental Retardation, 1973.
- 48. Goldberg, 1, Implica and Lippman, L. Right to Education Anathmy of the Pennsylvania Case and Its tions for Expertional Children. New York. Teachers College Press, 1973
- Gottlieb, J. Peer, and Professional Attitudes Toward Mentally Retarded Persons,
- Paper presented at conference on "The Mentally Retarded and Society. A Social Science Perspective," Nile# Minnesota, April 17-20, 1974.



- Grossman, H. Manual on Terminology and Classification in Mental Retardation. Washington, D. C.: American Association on Mental Deficiency, 1973.
- ed. Socio-Cultural Aspects of Mental Retardation, New York: Appleton-
- R , Epidemiology of
- Mental Retardation. Springfield, Illinois: Charles Thomas

53. ·Heber, R., and Flanigan, P. S. "A Proposal for a Symposium for Dissemination of Research

- 54. Heber, -R., and Garber, H. of Wisconsin, 1974. (Mimeographed.) Results Developmental Cultural Familial Retardation." Madison, Wisconsin: University Madison, An Experiment in the Prevention of Cultural-Familial Mental Wisconsin: Rehabilitation and Training Center in Mental
- 55. Holtzman, N. A., et al. "Neonatal Screening for Phenylketonuria, IV." American Journal of Public Health, 64 (August, 1974):775-779

Retardation, University of Wisconsin, 1971

- Howe, S. G. On the Causes of Idiocy. Edinburgh: N.p., 1848; reprinted, New York: Arno
- 57. Information and Research Utilization Center in Physical Education and Recreation for the Mentally Retarded Individuals." Washington, D. C. Information and Research Utilization Handicapped. "Physical and Recreation Programming for Severely and Profoundly Center in Physical Education and Recreation for the Handicapped, Juhe, 1972. 1.0"
- Taha Association for Retarded Children "Statistics on Mental Retardation in Indiana." Indianapolis, Indiana Indiana Association for Retarded Children, November, 1973.
- P. A., et al "A Cytogenetic Survey of 11,680 Newborn Infants." Annals of Human
- 60. / Jacobson Medica Center Personal Communication, 1975 B .: M D .Chief, Reproductive Genetics Unit. George Washington University
- 61. Joseph P. Ken Washington, D.C.: Joseph P. Kennedy, Jr. Foundation, n.d. redy, Jr., Foundation "A New Kind of Joy: The Story of the Special Olympics."
- Propress in Medical Genetics, pp. 103-134 Edited by A. G. Bearn and A. G. Steinberg. New York Grune and Stratton, 1974. "Approaches to the Control and Prevention of Tay-Sachs Disease." In
- Keffer, Ljouise. <American National Red Cross, 1973 (Mimeographed.)</p> "Swimming for the Handicapped. Rhogram Report 1973." Washington, D.C.

- 64 Edited b J. B Stanbury, J. B. Wyngaarten, and D S Frederickson. New York The Metabolic Basis of Inherited Disease, 3rd ed., pp.
- 65. Knowlton, M Mental Aptardation Director, Bureau of Community Residential Services. Personal Communication. January, 1975 Pennsylvania Office of
- Koch, . New York: Brunner-Mazel, Inc., 1971 The Mentally Retarded Child and His Family. A Multi-Disciplinary
- Department of A. Director, Division of Special Minimum Wages. Wage and Hour Division. U. S. | Labor. Personal Communication. March, 1975
- 68. Kramer, Herb Kenhedy ""Families Play to Grow': The First Year 1974-75." Washington, D.C. Jr. Foundation, 1975 (Mimeographed)
- .69. Krishef, C H Retardation, 10 (June, 1972):36-38 "State Laws on Marriage and Sterilization of the Mentally Retarded." Menta
- Sterulization for the Mentally Retarded." Tallahassee, Florida: Florida State University, Social Work, n.d. (Mimeographed and Phelps, J. B "A Nation-Wide Survey on the Subject of Marriage and
- Infants, O., Del Noria-Papadapolous, M., and Searls, D. II." The Journal of Pediatrics, 80 (March, 1972) 509-512 "Long-term Follow-Up of
- 72. Masland, R Sarbson, S., and Gladwin, T. Mental Subnormality. New York: Basic Books,
- Scouts of America, Honolulu, Hawaii, May 17, 1974 (Mimeographed) Rémarks at Scouting for the Handicapped Breakfast, National Council
- 74. McKusick, V., and Claiborne, R., eds. Medical Genetics. New York: Hospital Practice Publishers.
- 75. Mental Health Mental ealth Law Law Project. Basic Rights of the Mentally Handicapped. Washington, D. Project, 1973
- Institute, 1972 Project. Legal Rights of the Mentally Handicapped Vol 1. New York:
- he Mentally Retarded. Berkeley, California University of California
- 78. Milunsky, A. Thomas Publishing Co., 1973. Prenate Diagnosis of Hereditary Disorders. Springfield, Illinois: Charles C.
- 79. National Association of Virginia training Inc or Mentally Retarded Children: A State by State Survey "Arlington, Coordinators of State Programs for the Mentally Retarded. "Day Association of Coordinators of State Programs for the Mentally

100



- National Association for Retarded Children. "Annual Report, 1973." Anington, Texas: National Association for Retarded Children, 1973.
- National Association for Retarded Citizens. "Give an Opportunity Gain an Asset." Arlington, Texas: National Association for Retarded Citizens, p.d.
- 82. Research Advisory Committee, December, 1974. fog Retarded Citizens. "NARC Research News." Arlington, Texas:
- •83. National Association Iol Retarded Citizens, "The Right to Choose Achieving Residential Citizens, October, 1973 Services in the Community" Arlington, Texas National Association for Retarded
- 84. The National Foundation International Directory 4th ed New York: The National Foundation - The March of The March of Dimes Birth Defects Genetic Services.
- 85. New York State ARC v. Rockefeller. U.S. District Court, Eastern District of New York. Testimony, Week of December 8, 1974
- O'Connor, G, and Sitker, E. G. Rehabilitation and Research Training Center in Mental Retardation, University of Oregon, Residential Facilities for "The Study of a New Frontier in Community Services: Developmentally Disabled Persons." Eugene, Oregan: 103
- Olley, G, and Fremouw, W "The Voting Rights of the Mentally Retarded: A Survey of State Laws''' Mental Retardation, 12 (February, 1974) 14–16
- 88 Penrose, L. S., and Smith; G. Down's Anomaly Boston Little, Brown and Co., 1966
- 89 Pomeroy, J., Recreation for the Physically Handicapped. New York. Macmillan Company, 1964
- 90. Popkin, B. M. "Economic Benefits from the Elimination of Hunger in America." Madison Wisconsin Institute for Research on Poverty, University of Wisconsin, 1969
- 91 · Posner, B "Changing Attitudes Toward Retarded People." An address before the International League of Societies for the Mentally Handicapped, Montreal, Canada, October 1-6, 1972
- 92. Richmond, J. B., Tarjan, G., and Mendelsohn, R. S., eds. Mental Retardation. A Handbook for the Primary Physician. 2nd od. Chicago. American Medical Association, 1974
- , 93 Santamour, M., and Ross, K. "Defining the Problem of Mental Retardation: A Functional Model " Paper presented at Region X AAMD Meeting, 1969
- Schegrenberger, Public Readential Facilities for the Mentally Retaided, 1975 [in press]. Mentally Retaided." Madison, Wisconsin National Association of Superintendents of "Current Trends and Status of Public Residential Services for the

- 95. Scheerenberger, R. C. "Generic Services for the Mentally Retarded and Their Families." Mental Retardation, 8 (December, 1970) 10-16.
- Schmitz, Sister Patrice, and Lankford, C. W. "A Study of Kansas Facilities and Homes Serving Rehabilitation Serwces, 1974 (Mimeographed.) the Developmentally Disabled." Topeka, Kansas State Department of Social and
- 97. Sigelman, C., ed. Citizen Advocacy and Protective Services. Lubbock, Texas. Texas Tech University, 1974
- 98. Stephens, B , ed. "Symposium. Developmental Gains in the Reasoning, Moral Judgment, and Deficiency, 79 (September, 1974) 113 161. Moral Conduct of Retarded and Nonretarded Persons." American Journal of Menta
- 39. Suazo, A. C. "A National Survéy of Workshops for the Mentally Retarded." Washington, D. C National Consultant and Management Association for Rehabilitation Workshops, 1973.
- 100. Tarjan, G., et al. "Natural History of Mental Retardation: Some Aspects of Ephlemiology." American Journal of Mental Deficiency, 77 (January, 1973) 369-379
- **1**01. Tausch, D. J. Texas State Department of Health, Personal Communication to A. A. Mallas, Former Member of the President's Committee on Mental Retardation January 3, 1975.
- 102. Thompson, J. D. "Building a Maternal Health Care System for Georgia" Atlanta, Georgia Georgia Council on Maternal Health, 1973
- 103. Thompson, J. S., and Thompson, M. W. Genetics in Medicine, 2nd ed. Philadelphia. Saunders Publishing Company, 1973
- 104. U.S. Civil Service Commission. "An 8½ Year Record: Mentally Retarded Workers in the Federal Service." Washington, D.C.: Government Printing Office, November, 1972
- 105 U.S. Congress, Senate Select Committee on Nutrition and Human Needs, National Nutrition Policy Study: Report and Recommendations VIII June, 1971.
- 106. U.S. Department Syndrome." of Health, Education, and Welfare. "Antenatal Diagnosis and Down's Bethesda, Maryland: National Institute of Child Flealth and Human
- 107. U.S. Department of Health, Education, and Welfare Bureau of Education for the Handicapped Aid-to States Division. Unpublished statistics

- 108. U.S. Department of Health, Education, and Welfare. Children Served in Mental Retardation.

 Clinics Fiscal Years 1970-1972 Rockville, Maryland. Maternal and Child Health Service, 1973.
- 109. Department of Health, Education, and Welfare. "Findings of the 1967 AFDC Study." Washington, D.C.. National Cepter for Social Statistics, 1970
- -0 U.S. Department of Health, Education, and Welfare. "Findings of the 1970 APTD Study, Part Statistics, September, 1972 : Demographic and Program Statistics." Washington, D.C.: National Center for Social
- Department of Health, Education, and Welfare. Head Start Services to 'Handicapped Children: Second Annual Report "Washington, D.C.: Office of Child Development,
- 112. US. Department of Health, Education, and Welfare. "Mental Retardation Source Book of the Department of Health, Education, and Welfare" Washington, D.C.; Office of Mental Retardation Coordination, 1973 (Mimeographed).
- 113 U.S. Department of Health, Education, and Welfare. Monthly Vital Statistics Report, Annual Statistics, 1974. Summary for the United States, 1973. Rockville, Maryland: National Center for Health
- 114 U.S. Department of Health, Education, and Welfare. Report of the Secretary's Special Federal Team: The New York State Mental Retardation Program Washington, D.C.: National; Institute of Mental Health, October, 1972. 1 1
- 15. S Department of Health, Education, and Welfare. Rehabilitation Services Administration. Education, Research and Training Center. Unpublished data compiled by West Virginia University, College of Human Resources and
- <u>ਤ</u> S Department of Health, Education, and Welfare U.S. Immunization Survey, 1973. Atlanta, Georgia. Public Health Service, Center for Disease Control, 1974,
- 117 US Public Health Service. First Health and Nutrition Examination Survey, United States, 1971 1972 Dietary Intake and Biochemical Findings. Washington, D.C. Health
- S Public Health Service. Promoting the Health of Mothers and Children, Fiscal Year 1973. Rockville, Maryland Maternal and Child Health Service. 1973
- US S Department of Transportation. "The Handicapped and Elderly Market for Urban Mass Transit." Washington, D.C. Urban Transportation Advisory Council, 1973
- 120 Wilson, M. G., M. D. Chief, Genetics Division. University of Southern California School of Medicine Personal Communication 1975

121. World Health Organization. World Health Statistics Report. Vol. 27, nos. 3-4. Washington, D. C World Health Organization, n.d.

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- 122. Wolfensberger, W, and Zauha, H., eds. Citizen Advocacy and Protective Services for the Impaired and Handicapped, Toronto National Institute on Mental Retardation, 1973
- Wright, S., Crandall, B., and Boyer, L., eds. Perspectives in Cytogenetics -Springfield, Illinois Charles C Thomas Publishing Co., 1972. the Next Decade
- Zimmerman, D. R. Rh Macmillan Company, 1973 The Intimate History of a Disease and its Conquest New York:
- 125. Zwiren, M. L. "Mental Retardation. How Can We Help?" Journal of Health, Physical Education and Recreation, October, 1972.
- Publications of the President's Committee on Mental Retardation:
- 126. Birch, H.G. Malnutrition, Learning and Intelligence Washington, D.C.: President's Committee
- Cohen, J.S., ed Manpower and Mental-Retardation: An Exploration of the Issues Washington, President's Committee on Mental Retardation, 1970
- 128. Cortazzo, A "Activity Centers for Retarded Adults." Washington, D.C.: President's Committee on Mental Retardation, 1972
- Legal Rights Work Group Compendium of Law Suits Establishing the Legal Rights of Mentally Retarded Citizens Washington, D.C. October, 1974 President's Committee on Mental Retardation,
- 130. "Mental Retardation and the Retardation, July, 1974 Law." Washington, D.C · President's Committee on Mental
- <u>3</u> "MR 71 Entering the Era of Human Ecology" Washington, D.C.. President's Committee on Mental Retardation, 1972
- 132 "MR The Goal is Freedom." Washington, D.C. President's Committee on Mental
- 133. Nirje, B. "The Normalization Principle and Its Human Management Implications" In Changing Patterns in Residential Services for the Mentally Retarded, pp. 179 Wolfensberger. Washington, D.C.: President's Corhmittee on Mental 195, Eduted by R



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President's Committee on Mental Retardation

The President's Committee on Mental Retardation was established by Executive Order of the President in 1966.

The Committee is composed of 21 citizen members and five ex officio members, all appointed by the Prisident to advise him on what is being done for the meatally retarded, to recommend Federal action where needed, to promote coordination and cooperation among public and private agencies, to stimulate in dividual and group action, and to promote public understanding of the mentally retarded.

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