



U.S. Department of Health and Human Services
Assistant Secretary for Planning and Evaluation
Office of Disability, Aging and Long-Term Care Policy

**SERVICE UTILIZATION AND
THE INDIVIDUAL, FAMILY
AND NEIGHBORHOOD
CHARACTERISTICS OF
CHILDREN WITH
DISABILITIES IN ILLINOIS:**

FINAL REPORT

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Office of the Assistant Secretary for Planning and Evaluation

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**SERVICE UTILIZATION AND THE INDIVIDUAL,
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OF CHILDREN WITH DISABILITIES IN ILLINOIS:
Final Report**

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EXECUTIVE SUMMARY

The objective of this research project is to describe the demographic characteristics and human service utilization of all children and adolescents who are identified as having a disability in Illinois, as well as to understand the stability of the care that they receive through childhood and adolescence. Given the recent changes in the Supplemental Security Income program for children and adolescents in the 1996 Welfare Reform legislation, the study can serve as a baseline to assess the impact of the changes on service provision to children and adolescents with disabilities.

This study is unique because the database that we used for this study was developed from statewide service data. All children in Illinois who are identified as having a disability by a set of agencies including the Department of Public Aid, the Illinois State Board of Education, and the Department of Mental Health and Developmental Disabilities will be tracked through the use of the Integrated Database on Children's Services in Illinois (IDB). In this study, we focused on those children identified as having a disability from July 1, 1989 through June 30, 1994.

The major findings of this study are:

- The overall number of disabled children identified in this analysis has increased over time from 259,113 children in FY 1990 to 277,689 children in FY 1994. AABD (SSI) and Medicaid were responsible for the majority of this growth. During this period, the number of children receiving AABD (SSI) increased over two and a half times from 12,184 children in FY 1990 to 43,941 children in FY 1994. The number of children receiving Medicaid reimbursed services for a disabling condition increased from 34,541 children in FY 1990 to 87,764 children in FY 1994.
- In Illinois, each of the four programs that we examined served very different populations in terms of race/ethnicity, sex, and age. Children in the state AABD programs were most often minority children and were increasingly so over time. Among the children receiving Medicaid reimbursed services for disabilities, our study shows that the percentage of all children who were infants receiving services decreased from 25% in FY 1990 to 17% in FY 1994.
- As to type of disability, approximately one half of the special education children were identified as having learning disabilities. For example in FY 1994, approximately 49% were categorized as having learning disabilities, 25% as having speech or language disorders, 11% as severely emotionally disturbed, and 11% as mentally retarded. Among children receiving Medicaid services for disabilities, the percentage of children with mental disorders rose significantly from 20.9% in FY 1990 to 40.7% in FY 1994.

- Because each of the four programs provide very different services to disabled children in Illinois, the duration of program participation varies considerably. Both special education and AABD program participation are likely to last longer than Medicaid service or DMH inpatient participation. Over time, children in AABD and Medicaid reimbursed services were more likely to participate beyond one year of service. For example, 78% of the AABD children entering in FY 1991 were participating after 3 years while 86% of the children entering in FY 1992 were participating after 3 years.
- Overall, AABD entrants are the most "known" to the aggregate of all of the disability services. In FY 1991, 47% of children entering AABD had participated in another service last year while just 3% of special education entrants and 14% of Medicaid entrants had done so. An examination of the participation rates of AABD entrants over the fiscal years, however, reveals that the degree of participation in other services prior to AABD entry has decreased. By FY 1994, only 39% of children entering AABD had prior service experience. For special education and Medicaid new entrants, we observe the opposite trend.
- A point in time examination of multi-service utilization reveals that it has become more prevalent over time. In FY 1990, 5.3% of the children receiving a disability service were using multiple programs while 15.2% of the children receiving a disability service in FY 1994 were multi-service users.
- Children in AABD programs have the highest incidence of multi-service utilization but it is not increasing over time. In FY 1990, 51.3% of the AABD children were in special education while only 42.3% were participating in FY 1994. As a percentage of all special education children, multi- service use is rare but increasing over the fiscal years. Children using Medicaid services for disabilities were slightly more likely to participate in multiple services over time. In FY 1990, 13.8% of the Medicaid children were also participating in AABD while 19.8% were participating in both programs in FY 1994.
- Although the new entrants look similar to the point in time populations in terms of the trend in multi-service use, they contribute little to the overall incidence of multi-service use. Over the fiscal years, multi-service users that were new entrants made up approximately 1% of disabled children using multiple services in Illinois.
- In each of the fiscal years, the majority of children participating in both special education and AABD within a fiscal year were mentally retarded. Over time, however, learning disabled and severely emotionally disturbed children were increasingly likely to participate in AABD and special education simultaneously.
- By FY 1994, the majority of children participating in Medicaid reimbursed services and either special education or AABD were being treated for mental disorders.

- When controlling for demographic factors, it appears that the very young and teenage children participating in AABD were less likely to be using multiple services during a fiscal year. In FY 1991 and FY 1992, children in AABD were nearly two times more likely to be multi-service users than children in AABD in FY 1990. In FY 1993, however, children in this program were slightly less likely to be multi-service users than children participating in FY 1990.
- Of children participating in special education, the mentally retarded, the physically disabled, and children with other disabilities were approximately 2 times more likely to be multi-service users than were severely emotionally disturbed children holding all other factors constant. Children with learning disabilities and speech or language disorders were nearly 70% less likely to be multi-service users during a fiscal year than were severely emotionally disturbed children.
- When controlling for all other factors, children receiving Medicaid reimbursed treatment for mental diagnoses or a combination of mental and non-mental diagnoses were more likely to be multi-service users during a fiscal year than were children selected because of one or more non-mental diagnoses.
- Females receiving Medicaid reimbursed services in FY 1990-1992 were nearly 20% less likely than males to participate in AABD within three years. Hispanic and African American children were approximately 1.3 times more likely than white children to participate in AABD. In terms of age, children over the age of 7 were more likely to become AABD participants within 3 years than were children ages 6 and 7. Children receiving Medicaid services for complex conditions, including a combination of mental and non-mental diagnoses, were nearly three and a half times more likely to become AABD participants than children receiving Medicaid services for one or more non-mental disorder diagnoses.

I. INTRODUCTION

The objective of this research project was to describe the demographic characteristics and human service utilization of all children and adolescents who are identified as having a disability in Illinois, as well as to understand the stability of the care that they receive through childhood and adolescence. Given the recent changes in the Supplemental Security Income program for children and adolescents in the 1996 Welfare Reform legislation, the study can serve as a baseline to assess the impact of the changes on service provision to children and adolescents with disabilities.

Our specific aims for this study were: 1) To describe the trends in demographic characteristics of the disabled child population in Illinois; 2) To describe the pattern of movement and stability of care of disabled children across different service settings; 3) To describe the pattern of multi-service use of disabled children; 4) To determine the extent to which type of disability and demographic factors are related to multi-service use; 5) To demonstrate the utility of administrative data for advancing the state of knowledge on children with disabilities; and 6) To determine the policy implications of these findings.

Illinois provides a geographic unit that contains a range of environments, cultures, and socioeconomic statuses. Four and a half percent of our country's children live in Illinois, and their demographic characteristics are representative of the country overall as well as the larger states. For example, the racial/ethnic distribution of Illinois children is very similar to that of the United States as a whole (69% white in the U.S., 68% white in IL, and 14% non English-speaking in both the U.S. and Illinois). Illinois ranks in the middle third of states in percent of children living in poverty and in percent of children living with both parents.

This study is unique because it is based on statewide service data. All children in Illinois who are identified by a set of agencies as having a disability will be tracked through the use of the Integrated Database on Children's Services in Illinois (IDB), which has been shown to be a reliable source of data for policy makers at both the state and the Federal level. The IDB combines individual child and family level data from the late 1970's through the present and is updated at least yearly. The population under study are those children identified as having a disability from July 1, 1989 through June 30, 1994.

We begin the report with a short summary of the policy context during the time period and the data and methods used for the study. We follow this summary with a discussion of our results, both descriptive and multivariate. We have not fully analyzed the data prepared for this study and intend to use it in the future, not only as a baseline to follow up this population, but also to better understand the changes that we saw during the five year time period. We hope that the implications flow easily from these results and end with an implications and future work section.

II. POLICY CONTEXT

The time period analyzed in this study spans several major policy changes that affected publicly provided services to disabled children in Illinois and nationwide. The most significant of these changes was the implementation of the Supreme Court's decision in the *Zebley vs. Sullivan* case. The *Zebley* decision, which expanded the list of disabling impairments and included a functional assessment in the disability determination for children, significantly increased the number of children receiving SSI nationwide.

Medicaid funded services in Illinois were also under going changes throughout this time period. In May of 1992, mental health services reimbursed by Medicaid were expanded in Illinois through the implementation of the Medicaid clinic/rehab option. For the first time, individuals could receive an array of Medicaid reimbursed mental health services (i.e. case management, crisis intervention, mental health assessment) from community mental health centers. Managed care was also being phased in to primary health care programs reimbursed by Medicaid. In May of 1993, the Healthy Morns/Healthy Kids Managed Care Program began in the City of Chicago after being started prior to May of 1993 in the downstate regions of Illinois. These changes are reflected in our analyst . Whenever possible, we note the policy change as well as highlight how they affected the patterns of service receipt.

III. DATA - INTEGRATED DATABASE ON CHILDREN'S SERVICES IN ILLINOIS

One of the unfortunate consequences of administering services to children through more than one public agency is that information about children and youth receiving services from the state is scattered among the various agencies. The fact that each agency provides only a specified range of services to children and has limited responsibility toward them inevitably restricts each agency's view of the client and its knowledge of the client's history and participation in the service system as a whole. No public agency or other office of state government has been charged with the responsibility of gathering together all the information about children that is collected across the human services, and none of the agencies has routine access to information gathered and stored by the others.

The Illinois Integrated Database on Children and Family Services is a state-level, longitudinal, and relational database constructed out of administrative data gathered by public agencies serving children and families. The database tracks all child and family contact with the following programs and services: foster care, child abuse and neglect, special education, mental health, juvenile justice, Medicaid, Food Stamps, and Aid to Families with Dependent Children (AFDC). In the aggregate, these records represent all child contact with Illinois human services over the course of a decade and can be made to yield a detailed and comprehensive picture of children's service provision in the state.

Administrative databases constitute a rich though underutilized source of knowledge about the operation of the children's service system. What is especially important about these databases is that they document the characteristics of *entire* client populations, that they often preserve a wealth of information about each child, and that in many cases they extend back more than a decade. The utility of the database, and the kinds of analyses it can support, are greatly enhanced by linking together all records pertaining to each individual client, resulting in a complete record of that client's contact with the agency over the years. Each administrative database represents a complete, longitudinal record of the experiences of the entire population of children receiving service over the time span of the data.

A. Data Description

This section describes the datasets that have been integrated for this study, the nature or format of each of those datasets, and the variables that are available for analysis. We also discuss the reliability of the data.

Department of Public Aid, Client Database

Illinois Department of Public Aid maintains a client database that includes Aid to the Aged, Blind, and Disabled (AABD), Medicaid, Aid to Families with Dependent Children (AFDC), and Food Stamps. AABD is the specific program that we focused on for this study. As stated in the Department description, "AABD is specifically for people who are 65 or older, blind, or disabled (blind or disabled children are included). It is available to people who have applied for, or are receiving, a monthly SSI check from the Social Security Administration. It is also available to people who meet the age/disability criteria for SSI, but whose income is from Social Security or a different source." AABD receipt entitles the recipient to Medicaid in addition to supplemental cash assistance. The database contains demographic details (such as client's age, sex, and address), case opening and closing dates, family composition, level of need, and deduction and grant size.

Department of Public Aid, Medical Service Database

The Principal Investigator has requested (in November, 1990) and received access (in March, 1991) to the Medical Services database of the Illinois Department of Public Aid, the state agency that administers the Medicaid program in Illinois. Non-residential services included under Medicaid include, but are not limited to, assessment, treatment planning, medication, crisis intervention, day treatment, individual, family and group psychotherapy, community-based rehabilitation, intensive family-based services, case management developmental rehabilitation, and pre-hospital screening. "Medicaid" services reflect the full range of medical services provided to children by health care providers in Illinois; a "Medicaid" service simply refers to the method of reimbursement.

The quality of the Medicaid data, in general, is thought to be good. Since the records of the database are tied to payments made to providers, all services provided should be included. Also, since there are regular audits of this data for the purposes of data quality and fraud detection, we expect the data to be of good quality. Finally, automated "edit-checking" prevents wrong codes from being entered into the database.

Department of Mental Health and Developmental Disabilities

The inpatient system records the inpatient episodes of children, adolescents, and adults in the state facilities. The strength of the database is that it is longitudinal and that for some cases it may go back as far as five decades. The database contains the admission date, the movement date (if a change in setting occurred), the prior admission date, and the date of discharge. It contains important demographic information, behavioral characteristics, administrative data (e.g. unit, planning area), legal status and social security number.

The information in this database is believed to be reliable and can often be checked from the case files themselves. The database is useful for tracking admissions and readmissions, length of stay, specific diagnoses, and discharge status of children

and adolescents that are hospitalized in DMHDD facilities. However, we do recognize that diagnoses are often used to get a child into an inpatient facility and may not be the result of a comprehensive assessment.

Illinois State Board of Education (Special education database)

There are two funding sources under which handicapped children and adolescents are served. The first is Public Law 94-142, which is the Education of the Handicapped Act. The second is P.L. 89- 313, the Education Consolidation and Improvement Act of 1981, which is the source under which children and adolescents are placed in residential care. These two funding sources are tracked separately. The Illinois State Board of Education (ISBOE) maintains a computerized child tracking system of children who receive special education services in the state of Illinois, the Funding and Child Tracking System (F.A.C.T.S.).

The F.A.C.T.S information system contains information on the child or adolescent's demographics, services received, primary, secondary and tertiary handicap, and type of facility in which service is provided. Since 1) the special education population is the largest population of children who are disabled, 2) most disabled children are first identified as such in the schools and 3) P.L. 94-142 puts the responsibility of serving all children with handicapping conditions aged 3-21 with the schools, this database is an important tool for counting children with specific handicaps and for identifying precursors to future problems.

B. Record Linkage Methodology

The databases of each agency were linked on the basis of common information on each of the individuals in each of the databases. Determining what data were necessary and reliable provided a challenge. This required extensive review of the existing data and cooperation on the part of the human service agencies to allow access to their administrative data.

Deterministic vs. Probabilistic Matching

The greatest technical challenge involved in creating an integrated database is accurately linking the records of individual clients across agencies. This process is complicated by the fact no single variable can be relied upon to establish the identity of a child from the records of various agencies. Though each child receiving a service is typically given an identification number (ID) unique to a particular program, each agency and department uses its own system of identification numbers. Indeed, a single agency may issue a single client more than one ID, since IDs may be assigned each time a case is opened or a child or family receives services. Other variables that might be used to establish an "all-or-nothing" match are equally problematic: even names and birthdates that "match perfectly" may refer to two different individuals, as a result of incorrectly entered data or other human error.

The most reliable means of matching records proves to be a process called probabilistic record- matching, first developed by researchers in the fields of demography and epidemiology (Newcombe, 1988; Winkler, 1988; Jaro, 1985, 1989; Baldwin, Acheson, & Graham, 1987). Probabilistic record-matching is based on the assumption that no single match between variables common to the source databases will identify a child with complete reliability. Instead, probabilistic record- matching calculates the probability that two records belong to the same child using multiple pieces of identifying information. Such identifying data may include name, birth date, gender, race/ethnicity, and county of residence. When multiple pieces of identifying information from two databases are comparable, the probability of a correct match is increased. A few commercial software programs perform record-matching and can be customized to perform matches between two databases. The software program called Automatch was used for this analysis.

IV. METHODOLOGY

A. Identification of Children with Disabilities

From each of the databases described above, the population of children with disabilities was identified. All children under the age of 18 at the beginning of state fiscal years 1990-1994 were identified as disabled if they were receiving services through special education, the Department of Mental Health and Developmental Disabilities (DMEDD) inpatient treatment, Assistance for the Aged, Blind and Disabled (AABD) disability programs, or Medicaid reimbursed services. Because individual level data on SSI receipt was only available to us for very recent time periods, children receiving AABD were used to approximate the SSI population in Illinois over the five fiscal years.¹

Disability identification was based solely on program participation for children in special education, AABD, and DMH. The Medicaid reimbursed services data, however, contains data on services provided for preventative and well-child care as well as for the more serious inpatient and rehabilitative services. Identifying "disabled children" in this service data was not a straight-forward task. In order to use the least restrictive definition of disability, we selected children who demonstrated a disabling condition in one of three ways. First, we selected all children who had a non-institutional claim containing an ICD-9-CM (International Classification of Diseases Clinical Modification) diagnosis code that indicated a disabling condition according to the Social Security disability evaluation standards.² Second, we selected all children who received a service under a category of service that indicated a special need. Finally, provider types that were associated with disabling conditions or conditions requiring rehabilitation were selected. A detailed description of the ICD-9-CM diagnosis codes used to map to the Social Security Administration's listing of disabling conditions can be found in Appendix A.

Each of the selection methods was designed to identify children eligible for SSI under the most current disability evaluation standards. We recognize that disability determination in children is a complex evaluation that does not depend on diagnosis or program service alone. We expect that our selection criteria err on the side of overestimating the disabled population. Throughout the analysis, the utilization of "Medicaid services" will refer only to Medicaid reimbursed services that indicate a disabling condition as defined by our selection criterion. Likewise, children referred to as participating in the Medicaid program will refer only to children receiving services specified in our selection criterion.

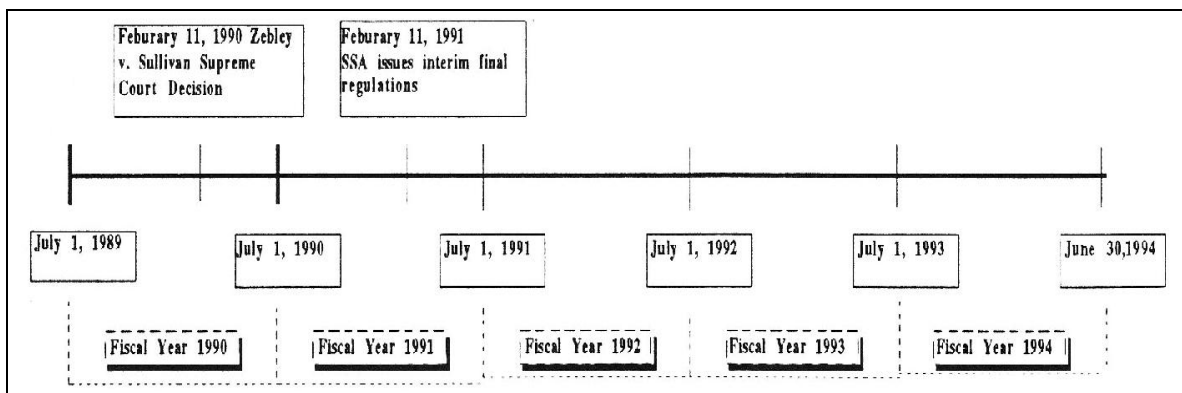
A description of the disabling conditions, categories of service, and provider types that we used in the selection and their prevalence can be found in table 1. Two of the ICD-9-CM diagnoses that are included in the selection were associated with a few restrictions. Asthma, for example, was only used identify a child as disabled when it was accompanied by two or more hospitalizations or three or more emergency room visits.

Epilepsy was similarly conditioned on the presence of a hospitalization or three or more emergency room visits within the fiscal year. Inpatient hospitalizations (general, psychiatric, and rehabilitative) also had conditions that were necessary for the disability determination in our selection. Three or more inpatient hospitalizations within a fiscal year or one hospitalization that lasted for 20 days or longer indicated disability in this analysis.

From the ICD-9-CM selection, the significant increase in the number of children that were identified after FY 1992 was due mainly to the increased prevalence of developmental speech or language disorders and other mental disorders. This increased "prevalence" however was primarily due to expanded service availability, particularly for mental health services. Two provider types, mental health service providers and local educational agencies, served significantly higher number of children after FY 1992. Most children were selected by the ICD-9-CM diagnosis code on a particular claim rather than the category of service or provider type. Over time the number of children that met the selection criteria by the ICD-9-CM diagnosis code and category of service also rose significantly (Table 2). This was more likely to happen as services became increasingly available for diagnoses that fell within our selection criterion.

B. Study Time Frame

The state fiscal year was the unit of time selected to analyze the indicators of service provision. The primary reason for choosing the state fiscal year was that the special education program data only reflected a child's activity during a school year (September to June). The beginning and end of the state fiscal year (July 1 to June 30) brackets the entire school year. From each of the databases that were analyzed, we identified children receiving each service for fiscal years 1990 to 1994. The beginning of fiscal year 1990 (July 1, 1989) offered a time point nearly 2 years prior to the implementation of the Zebley decision while the end of fiscal year 1994 (June 30, 1994) provided three full years of post-Zebley follow-up.



The time frame for this study allowed us to analyze five cross sections (FY 1990-1994) and four new entry cohorts (FY 1991-1994). By new entry, we are referring to

children who were not participating in the previous year of disability services. We defined entry cohorts both by entry into any one of the four programs and by entry into a particular program. The cross-sections were analyzed in order to understand the prevalence of multi-service use among disabled children in Illinois. By comparing indicators across time, we described the prevailing patterns of multi-service use. We also described the characteristics of children who use multiple services over the five fiscal years. Through the analysis of the new entry cohorts, we tracked program participation before and after the Zebley decision. In part, our findings reflect the dramatic change in program participation due to Zebley and the expansion of the role of Medicaid in non-traditional health care settings in Illinois. Given the changes in SSI eligibility due to Zebley and the concern over the growing caseloads as expressed in the recent welfare reform legislation, the impact of multi-service use on the receipt of SSI was of particular interest. Using the risk population available to us within our data, we examined the incidence of AAED receipt while controlling for demographic characteristics and type of disability.

V. RESULTS

A. Children with Disabilities

The number of children who were identified as being disabled from each of the four databases is presented below. The overall number of disabled children identified in this analysis has increased over time from 259,113 children in FY 1990 to 277,689 children in FY 1994. This growth represents approximately a 7% increase. This growth occurred over a time when the AABD and Medicaid program populations were increasing steadily while the special education population, the largest of the four, was decreasing. Under our selection criteria, this population of disabled children represents approximately 8% of all children in Illinois.³

Database	Number of Children				
	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994
AABD	12,184	14,839	19,986	33,555	43,941
Special Education	228,762	229,015	240,417	217,946	198,020
Medicaid Paid Claims	34,541	39,225	45,038	56,063	87,764
DMH Inpatient	294	257	319	255	199
All Disabled Children	259,113	263,758	279,608	272,779	277,689

Demographic Profiles

In Illinois, each of the four programs that we examined served very different populations in terms of race/ethnicity, sex, and age (Tables 3-6). Children in the state AABD programs were most often African-American children and were increasingly so over time. Because AABD program participation should mirror SSI participation, we see an increase in the number of children served after Zebley implementation. The post-Zebley time period in Illinois shows increased participation of children of all ages. Special education serves the largest number of children with disabilities in Illinois. Nearly 2/3 of the children in special education are boys. Approximately 70% of the children were white in fiscal year 1990 but were more likely to be of African American or Hispanic origin over time. Children identified with disabling conditions in the Medicaid service data were distinct from the special education and AABD populations. Medicaid program children had very similar percentages of white and African-American children over time. Boys were slightly more likely to have been identified in this population in each of the fiscal years. The growth in this population over time had its biggest affect on the age distribution of children with disabling conditions. In fiscal years 1990 and 1991, our selection criterion identified infants 25% of the time. After FY 1992, the percentage of infant children that we identified decreased. Conversely, the percentage of school age children began to rise. The DME inpatient population is the smallest population examined in this study. Boys were slightly more likely to be among children served in DMH facilities as were white children over time. Children served in DME inpatient facilities were more often children over age 9.

Type of Disability

The administrative data on each of the four programs offered few program generated descriptors of the participating child's type of disability. Moreover, disability categorizations were not uniform over time. In the special education program, an aggregation of the primary exceptional characteristic lead to a general categorization over the five fiscal years. Of the children in special education, approximately one half were identified as having learning disabilities. For example in FY 1994, approximately 49% were categorized as having learning disabilities, 25% as having speech or language disorders, 11% as severely emotionally disturbed, and 11% as mentally retarded. (Table 7). From the Medicaid services data, the ICD-9-CM diagnosis code was available for almost all children selected. Institutional claims records which primarily identify inpatient hospitalizations, could not be categorized by ICD-9-CM diagnosis codes. Table 8 presents the distribution of the ICD-9-CM diagnosis categories. The categorization was based primarily on the section headings contained within the ICD-9-CM, however, some particular diagnoses of interest were included in the distribution. While most of the diagnosis categories fluctuated little over the fiscal years, the percentage of children with mental disorders rose significantly from 20.9% of Medicaid program children in FY 1990 to 40.7% of children in the Medicaid program in FY 1994.

Patterns of Program Participation

Because each of the four programs provide very different services to disabled children in Illinois, the duration of program participation varies considerably. We would expect AABD (SSI) program participation, for example, to be longer term given that it provides basic human services including income support and health insurance. Medicaid program identification, however, is not likely to be observed year to year unless a particular disabling condition requires constant treatment provided through Medicaid. Because our data did not allow for continuous time estimates of duration, discrete time service receipt histories were analyzed for new entrants to each of the programs by fiscal year. A new entrant to AABD in FY 1992, for example, was defined as a child not observed participating in AABD prior to the fiscal year 1992. Only children who were age 13 or younger at the end of the fiscal year of the first year of service, and thus would not reach age 18 during the observation period, were examined. The survival rates are presented in Table 9.

Both special education and AABD program participation were likely to last longer than Medicaid program or DMH inpatient participation. For children entering the AABD program in FY 1991, 70% were still participating after 4 years. Over time, children entering AABD programs were more likely to continue participation after 1 year. For example, 78% of the AABD children entering in FY 1991 were participating after 3 years while 86% of the children entering in FY 1992 were participating after 3 years. In special education over time, children were slightly less likely to continue participation for a second year. Of children entering special education in FY 1991, 75.7% were participating for a second year while only 71.9% of children entering in FY 1993 were participating. The length of participation in the Medicaid program increased substantially

between the FY 1992 and FY 1993 cohorts. 32.2% of the FY 1992 entry cohort was found to be participating for a second year while 44.9% of the FY 1993 entry cohort was participating in the next year.

Service History

Table 10 presents indicators of the past year of service receipt for each program entry cohort. New entry is again defined by the first year of service in a particular program. Overall, AABD entrants are the most "known" to the system. In FY 1991, 47% of children entering AABD had participated in another service last year while just 3% of special education entrants and 14% Medicaid entrants had done so. An examination of the participation rates of AABD entrants over the fiscal years, however, reveals that the degree of participation in other services prior to AABD entry has decreased. By FY 1994, 39.3% of children entering AABD had prior service experience. For special education and Medicaid new entrants, we observe the opposite trend. Children in special education were more likely to have had prior service experience in both AABD and Medicaid. Entrants to the Medicaid program were also more likely to have received other services in the past year. Medicaid entrants who participated in special education in the past year increased from 12.7% of entrants in FY 1991 to 18.3% of entrants in FY 1994. Although these indicators can only approximate the pathways that children take, the trend in recent fiscal years suggests that frequency of transitions between other services to Medicaid and special education is increasing while the frequency of transitions from other services to AABD is decreasing.

B. Patterns of Multi-Service Utilization

Describing the patterns of multi-service utilization of disabled children was a primary goal of this study. At a time when eligibility for SSI will possibly be restricted, it is important to understand the extent to which SSI and other services have been supporting the population of children with disabilities. In addition, indicators of multi-service utilization over time can further illustrate the effects of the Zebley decision.

Cross-Sectional Analysis

A point in time examination of multi-service utilization reveals that the majority of children participate in one of two services: special education or Medicaid services (Table 11). Over time however, multi-service use becomes more prevalent. In FY 1990, 5.3% of the children receiving service were multi-service users, while 15.2% of the children receiving services in FY 1994 were multi-service users. Although a small percentage of the total disabled population, the number of children using some combination of programs increase substantially over time. Only 2,747 children used AABD, special education, and Medicaid services within FY 1990. In FY 1994, this number had increased nearly four times to 10,031 children. The number of children participating in special education and the Medicaid program also increased from 5,501 in FY 1990 to 16,201 children in FY 1994. At the same time that these increases

occurred, the number of children participating in AABD or the Medicaid program only increased steadily while the number participating in special education only decreased over time.

By examining the incidence of multi-service utilization by program type, we see that the patterns of multi-service use do vary considerably (Table 12). Children in AABD programs have the highest incidence of multi-service utilization but it is not increasing over time. In FY 1990, 51.3% of the AABD children were in special education while only 42.3% were participating in FY 1994. As a percentage of all children in special education, multi-service use is rare but increasing over the fiscal years. Special education children utilizing Medicaid reimbursed services increased substantially from 3.6% of children in FY 1990 versus 13.3% of children in FY 1994. Similarly, special education children were more likely to participate in AABD. In FY 1990, 2.7% of children were participating in AABD while 9.4% were participating in FY 1994. Children receiving Medicaid services were slightly more likely to participate in either AABD or special education over time. In FY 1990, 13.8% of the Medicaid children were also participating in AABD while 19.8% were participating in both programs in FY 1994.

Entry Cohorts

Although multi-service use increased overall and especially for children in special education and Medicaid, the impact of children new to disability programs (especially because of Zebley implementation) could not be assessed in the cross sectional analysis. New entry cohorts, defined by the first year of participation in any of the four services, were analyzed for FY 1991-1994. Although the overall number of disabled children identified from the four programs has grown, the overall number of new entrants to one of the four programs has decreased from 89,193 children entering in FY 1991 to 59,014 children entering in FY 1994 (Table 13). This trend is due primarily to the decrease in special education enrollment. None of the multi-service categories increased substantially over the fiscal years. Only a small percentage of the new entrants participated in more than one service during the fiscal year of entry. For example, 2.7% of the FY 1991 entry cohort participated in multiple services during FY 1991. In FY 1994, only 5.4% of the new entrants participated in multiple services. This was true despite the radically changing composition of the entry cohorts. In FY 1991, single service special education children made up 70.5% of the cohort. In FY 1994, only 23.8% of the entry cohort were single service special education children while 61.2% were single service children identified in the Medicaid reimbursed services data.

The trends seen by program type in the cross-sectional analysis are observed again for the new entrants. Over the new entry cohorts, children who began their service receipt in AABD became increasingly less likely to participate in multiple services within their first year of service (Table 14). New entrants participating in special education were slightly more likely to participate in multiple services, especially Medicaid. Children in the Medicaid program for the first time were slightly more likely to be multi-service users. Although the new entrants look similar to the cross-sections in terms of the trend in multi-service use, they contribute little to the overall incidence of

multi-service use. In FY 1991, multi-service users that were new entrants made up approximately 1% of the 16,213 multi-service users observed in FY 1991. In FY 1994, new entrants using multiple services continued to represent 1% of disabled children using multiple services in Illinois. It appears that although multi-service utilization has increased since FY 1990, the new entrants contributed little to the trend.

The time frame for this study allows us to follow the FY 1991 cohort of new entrants up to three years. This longitudinal analysis can illustrate the program participation of single service children in the future. As presented in table 15, each of the single service groups from each cohort was identified by multiple service use in the future. The patterns overall and by service type are not clear. Overall, an additional 8.1% of the FY 1991 cohort and 10.6% of the FY 1992 cohort was found to be multi-service users after 2 years. The percentage of multi-service users identified after one and two years appears to rise until except for a sharp decrease for the FY 1993 cohort. For children only participating in AABD in FY 1991, 16.9% became multi-service users after 1 year while only 10.8% of the children in the FY 1993 cohort became multi-service users. After 2 years, however, the percentage of children becoming multi-service users rose slightly from 23.2% of the FY 1991 cohort to 26.2% of the FY 1992 cohort. Special education and Medicaid program single users were even less likely to become multi-service users in the future.

C. Characteristics of Multi-Service Users

In order to approximate which disabled children participated in more than one service, the descriptive variables available to us were examined by single service and multi-service categories. In table 16, the distribution of the primary characteristic is presented for all special education children, as well as special education children participating in more than one service. Only multi-service use involving AABD and the Medicaid program is presented because it represents the majority of the multi-service utilization. In each of the fiscal years, the majority of children in both special education and AABD were those with mental retardation. Over time, however, children with learning disabilities and severe emotional disturbance were more likely to participate in AABD and special education simultaneously. By FY 1994, 35.1% of the children in both special education and AABD were mentally retarded, 30.9% were learning disabled, and 15% were severely emotionally disturbed. In terms of the utilization of the Medicaid program and special education, the patterns of service utilization for different categories of the children varied over time. Mentally retarded and SED children became less likely to use Medicaid reimbursed services while participating in special education. In FY 1990, 25.4% and 25.3% of the children participating in both services were respectively mentally retarded and SED while in FY 1994 only 19.5% and 17.4% of children in both services were respectively mentally retarded and SED. Learning disabled children were more likely to represent children participating in special education and receiving Medicaid reimbursed services over time. The increase was especially pronounced between FY 1992 when 15.9% of children in both services were learning disabled and

FY 1993 when 24.4% of children were indicated as learning disabled in special education.

Children participating in the Medicaid program were similarly examined by single and multiple service categories. In FY 1990, the children who received Medicaid reimbursed services and special education looked very different from children who received Medicaid reimbursed services and AABD (Table 17a-17e). The majority of children participating in both the Medicaid program and special education were receiving service under special categories of service (14.6%), for multiple diagnoses (14.2%), and for other mental disorders (13.9%). Children receiving Medicaid reimbursed services and AABD were most likely to be treating infantile cerebral palsy (16.5%) and multiple diagnoses (15.0%) within fiscal year 1990. In terms of the type of Medicaid recipient with the highest degree of multi-service utilization, infantile cerebral palsy was highest with 80.9% of children in FY 1990 participating in multiple services. Children with multiple diagnoses and developmental speech or language disorders also had substantial multi-service use.

These patterns begin to change in FY 1992. In FY 1992, children participating in the Medicaid program and special education are more likely to have been identified by multiple diagnoses, other mental disorders, and developmental speech and language disorders. By FY 1994, the majority of children participating in the Medicaid program and either special education or AABD were being treated for mental disorders. By 1994, the percentage of children with both mental disorders and multiple diagnoses who used special education or AABD had increased during the period. This increase, however, is due in part to the changing composition of the Medicaid population after the Medicaid community mental health services program began. Without controlling for other factors, it is not clear whether the increase is due to changes in multi-service use or to changes in the composition of the population. This hypothesis will be tested using multivariate methods with regard to AABD participation specifically.

D. Factors Affecting the Incidence of Multi-Service Utilization

The descriptive analysis revealed a pattern of increasing multi-service utilization over the time period. The analysis by program type indicates that multi-service utilization is increasing for the special education and Medicaid service populations, but is decreasing for the AABD service population. In order to further confirm the trends observed in the descriptive analysis, logistic regression was used to model the probability that a child would use multiple services during a fiscal year while controlling for demographic and disability characteristics.

Table 18 presents the odds ratios from each of the three models. Each program type was modeled separately because of the variation in the incidence of multi-service use. DMH multi-service utilization was not examined in the multivariate analysis because it was so rare. The odds ratios describe the effect on the probability of being a multi-service user during a fiscal year relative to a baseline group while holding all other

factors constant For example in the model for AABD program participants, females are 20% less likely than males to be multi-service users during a fiscal year. Minority children in AABD were less likely to be multi-service users than were white children. The odds ratios of the age categories indicate that children between the ages of 8 and 13 are slightly more likely than children ages 6 to 7 to be multi-service users. It appears that the very young and teenage children were less likely to be using multiple services during a fiscal year. The direction of the indicators of fiscal year indicate a discontinuous upward trend in the likelihood that children in AABD used multiple services during the fiscal year. In FY 1991 and FY 1992, children were nearly two times more likely to be multi-service users than children in AABD in FY 1990. In FY 1993, however, children were slightly less likely to be multi-service users than children in FY 1990. This drop coincides with the dramatic increase in the AABD population after Zebley and the decreasing likelihood of new entrants to have had prior service experience in any of the other three disability programs. Although this decreasing likelihood of multi-service use persisted in the descriptive trend, after controlling for all other factors the direction of the FY 1994 indicator showed that children were more likely to have participated in multiple services than in FY 1990.

Model 2 presents the odds ratios for children participating in special education during each of the fiscal years. Unlike AABD, females in special education were slightly more likely than males to be multi-service users. Minority children were 2 to 3 times more likely to be multi-service users. With the exception of infants, the likelihood of being a multi-service users decreases with age. Children over the age of 7 are approximately 20% less likely to be multi-service users than children ages 6 and 7. The fiscal year indicators point to a slightly increasing likelihood of multi-service use among the special education population between FY 1992 and 1993. In FY 1994 however, children were 2.25 times more likely to be multi-service users than children participating in FY 1990 holding all other characteristics constant. In addition to the program and demographic characteristics already mentioned, the primary characteristic for each child per fiscal year was included in the model. The odds ratios show that mentally retarded children, physically disabled children and children with other disabilities were approximately 2 times more likely to be multi-service users than were severely emotionally disturbed children. Children with learning disabilities and speech or language disorders were nearly 70% less likely to be multi-service users during a fiscal year than were severely emotionally disturbed children.

In Model 3, the likelihood of being a multi-service user during a fiscal year is modeled for children participating in the Medicaid program. The effects of demographic and program indicators for the Medicaid program population tend to look similar to the effects in the Model 1. Females, for example, are 25% less likely than males to be multi-service users in a fiscal year. Hispanic and African-American children are slightly more likely than white children to be multi-service users during a fiscal year. In the Medicaid program population, children over the age of 7 are more likely to be multi-service users than are children ages 6 to 7. Like the special education population, children participating in the Medicaid program after FY 1990 are more likely to be multi-service users during the fiscal year than are children who participated in FY 1990. The

description of the selection into the Medicaid program population was also included in the model in order to control for any effect of the type of disabling condition. Children selected due to mental diagnoses or a combination of mental and non-mental diagnoses were more likely to be multi-service users during a fiscal year than were children selected because of one or more non-mental diagnoses.

E. Predicting AABD Service Utilization

Understanding the factors associated with AABD service utilization is of particular interest in light of the policy changes that are likely to emanate from welfare reform. As we have seen, multi-service use has increased over time among the disabled children identified in this study. In order to assess the risk of AABD program participation over time in Illinois, we have focused on the population of children identified by our Medicaid service selection criterion. We would expect all of these children to be at risk for AABD. We recognize that there are certainly children at risk who would not have prior Medicaid program participation. Again, logistic regression was used to predict the probability of AABD participation within 3 years of participation in the Medicaid program. All children receiving Medicaid reimbursed services in FY 1990 through 1992 were included in the model.

Table 19 presents the results of this analysis. Females were nearly 20% less likely than males to participated in AABD within three years. Espanic and African American children were approximately 1.3 times more likely than white children to participate in AABD. Children over the age of 7 were more likely to become AABD participants within 3 years than were children ages 6 and 7. Children under age 6 were less likely to become AABD participants. The method of the Medicaid selection was also included in the model. Interestingly, children included in the Medicaid program population because of a combination of mental and non-mental diagnoses during a fiscal year were nearly three an a half times more likely to become AABD participants than children included because of one or more non-mental disorder diagnoses. This strong effect indicates that children with the more complex conditions were most likely to receive AABD. The likelihood of participating in AABD appeared to increase over fiscal years 1990 to 1992. Children participating in the Medicaid program in fiscal year 1991 were over two and a half times more likely to receive AABD within three years than were children in Medicaid in FY 1990. Children in Medicaid in FY 1992 were over three times as likely.

VI. IMPLICATIONS AND FUTURE WORK

This study shows very strikingly that the population of children served by public programs for disabilities in Illinois has changed dramatically over a five year period. The expansion due to Zebley to include more children with emotional disorders has opened a new door into services provided through the Medicaid program. The Medicaid program has been expanded simultaneously to address the needs of children with severe emotional disturbances by providing services in settings other than traditional health care settings. It also seems, however, that the new SSI population is slow to use additional services. In other words, children in the SSI population do not quickly become participants in multiple programs. The special education population is also decreasing as there is a move to bring children with handicapping conditions into the regular classroom; the poor fiscal condition of schools also provides little incentive to identify more children as requiring special education. This is our interpretation of the diverging trends in program eligibility and utilization between the SSI and Medicaid programs and the special education program.

We also found that multiple program participation reflected intuitions about how that might occur. In general, children with less severe conditions (language disorders or learning disabilities) were less likely to participate in multiple programs than children with more severe or chronic disabilities (e.g. severe emotional disturbance). This, however, may be due to the fact that we focused on public programs, which are primarily used by the poorer segment of the population; this means that the children with less severe conditions in special education would be less likely to appear in the Medicaid or SSI population.

Given the changes that have been made to SSI eligibility criteria in 1996 and the potential future changes in Medicaid and welfare programs in general, we hope that this study provides a baseline for future monitoring of participation in programs for disabled children. While we have not included every program for children with disabilities, we have included the major public programs which would reflect the trends in the service provision to the population. The addition of other programs into our analysis could provide important information on those programs. In particular, the addition of the new early intervention programs would be an important addition. Better tracking of these children from birth is also key to more complete and better monitoring.

ENDNOTES

- Throughout this report, AABD receipt is used as a proxy variable for SSI receipt. The table below presents the published numbers of children receiving SSI in the state of Illinois in December of each year. The measure in December represents the midpoint of each fiscal year. The AABD figures map nicely to the midpoints even during the period of rapid growth beginning in 1992.

	Number of Children in Illinois Receiving				
	December 1989	December 1990	December 1991	December 1992	December 1993
Supplemental Security Income (SSI)	12,951	15,387	21,178	31,874	41,225
	July 1, 1989 to June 30, 1990	July 1, 1990 to June 30, 1991	July 1, 1991 to June 30, 1992	July 1, 1992 to June 30, 1993	July 1, 1993 to June 30, 1994
Aid to the Aged, Blind, and Disabled (AABD)	12,184	14,839	19,986	33,555	43,941

SOURCE: Social Security Bulletin, Annual Statistical Supplement, 1989-1993

- An error was found in the diagnosis field of our medical claims database for services received January 1993-June 1995. The error involved only institutional claims made during the time period, thus we did not expect our diagnosis code selection to be substantially affected. In order to measure the error introduced, we compared the number of children that we identified as disabled using all claims versus all non-institutional claims in fiscal year 1990. We found that using all types of claims in the diagnosis code selection gave us 42,147 Medicaid program participants versus 34,541 using only non-institutional claim records. This represents 82% of the total Medicaid population available to us if the diagnosis code of all claim records could have been used.
- The population incidence of 8% is based on 3,338,418 children living in Illinois according to the 1990 U.S. Census.

TABLES

TABLE 1. Number of Children by Method of Identification of Disabling Condition in Medicaid Services Database: FY 1990-1994

	1990		1991		1992		1993		1994	
	N	%	N	%	N	%	N	%	N	%
ICD-9-CM SELECTION										
Infectious Diseases	41	0.2	60	0.2	63	0.2	115	0.3	143	0.2
AIDS	20	0.1	43	0.2	53	0.2	102	0.2	127	0.2
Other Infectious Diseases	21	0.1	17	0.1	10	0.0	13	0.0	16	0.0
Neoplasms	471	2.1	619	2.1	845	2.6	1,190	2.8	1,377	2.0
Endocrine, Nutritional and Metabolic Diseases	678	3.0	892	3.4	1,281	4.0	1,187	2.8	1,769	2.5
Diseases of the Blood and Blood Forming Organs	1,027	4.6	1,171	4.4	1,247	3.9	1,196	2.8	1,512	2.1
Sickle Cell Anemia	850	3.8	941	3.6	987	3.1	909	2.1	1,127	1.6
Other Diseases of the Blood and Blood Forming Organs	177	0.8	230	0.9	260	0.8	287	0.7	385	0.5
Mental Disorders	7,776	34.9	9,305	35.3	12,481	39.1	20,740	48.5	37,984	54.0
Developmental Speech or Language Disorder	1,381	6.2	1,460	5.5	2,501	7.8	7,138	16.7	13,245	18.8
Attention Deficit Disorders	1,920	8.6	2,645	10.0	3,623	11.3	4,800	11.2	6,734	9.6
Disturbance of Emotions Specific to Childhood and Adolescence	176	0.8	288	1.1	599	1.9	1,106	2.6	7,952	11.3
Other Mental Disorders	4,299	19.3	4,912	18.7	5,758	18.0	7,696	18.0	10,053	14.3
Diseases of the Nervous System and Sense Organs	3,913	17.6	4,538	17.2	4,687	14.7	5,111	12.0	5,888	8.4
Infantile Cerebral Palsy	1,127	5.1	1,198	4.6	1,277	4.0	1,271	3.0	1,111	1.6
Hearing Loss	2,241	10.1	2,751	10.4	2,837	8.9	3,217	7.5	3,963	5.6
Other Diseases of the Nervous System and Sense Organs	545	2.4	589	2.2	573	1.8	623	1.5	814	1.2
Diseases of the Circulatory System	306	1.4	311	1.2	359	1.1	318	0.7	442	0.6
Diseases of the Respiratory System	1,992	8.9	1,861	7.1	2,276	7.1	2,119	5.0	2,576	3.7
Asthma	1,982	8.9	1,855	7.0	2,272	7.1	2,111	4.9	2,572	3.7
Other Diseases of the Respiratory System	10	0.0	6	0.0	4	0.0	8	0.0	4	0.0
Diseases of the Digestive System	68	0.3	75	0.3	76	0.2	57	0.1	83	0.1
Diseases of the Genitourinary System	216	1.0	198	0.8	207	0.6	202	0.5	255	0.4
Diseases of the Skin and Subcutaneous Tissue	4	0.0	4	0.0	4	0.0	8	0.0	7	0.0
Diseases of the Musculoskeletal System and Connective Tissue	264	1.2	300	1.1	314	1.0	302	0.7	329	0.5
Congenital Anomalies	2,392	10.7	2,849	10.8	3,069	9.6	2,999	7.0	3,734	5.3
Conditions Originating in the Perinatal Period	26	0.1	90	0.3	69	0.2	73	0.2	100	0.1
Injury and Poisoning	39	0.2	31	0.1	80	0.3	111	0.3	126	0.2
Supplementary Classification	7	0.0	19	0.1	19	0.1	23	0.1	19	0.0
Multiple Diagnoses	3,056	13.7	4,006	15.2	4,874	15.3	6,973	16.3	14,039	19.9
Total Number of Children Identified by ICD-9-CM Diagnosis	22,276	100.0	26,329	100.0	31,951	100.0	42,724	100.0	70,383	100.0

TABLE 1 (continued)										
	1990		1991		1992		1993		1994	
	N	%	N	%	N	%	N	%	N	%
INPATIENT SELECTION										
Inpatient Hospitalization: 3 or more Hospitalizations	2,472	43.0	2,096	37.1	1,728	39.8	1,521	32.5	2,388	35.5
Inpatient Hospitalization: Hospitalization 20 Days or Longer	2,745	47.7	3,035	53.8	2,284	52.6	2,822	60.3	3,757	55.9
Inpatient Hospitalization: 3 or more Hospitalization and Hospitalization 20 Days or Longer	533	9.3	512	9.1	334	7.7	339	7.2	578	8.6
Total Number of Children Identified by Inpatient Hospitalization	5,750	100.0	5,643	100.0	4,346	100.0	4,682	100.0	6,723	100.0
PROVIDER TYPE SELECTION										
Physical Therapists	14	0.2	12	0.2	33	0.4	41	0.1	71	0.4
Occupational Therapists	1	0.0	9	0.1	19	0.3	56	0.5	84	0.4
Speech Therapists	26	0.4	53	0.7	61	0.8	79	0.7	146	0.7
Audiologists	648	9.7	877	11.3	713	9.5	553	4.7	705	3.6
MR Facilities	0	0.0	0	0.0	2	0.0	58	0.5	536	2.7
Psychiatric Hospitals	122	1.8	315	4.1	328	4.4	493	4.2	818	4.2
Rehabilitation Hospitals	128	1.9	136	1.8	194	2.6	340	2.9	482	2.4
Nursing Facilities	643	9.6	585	7.5	598	8.0	35	0.3	11	0.1
Long Term Care Facilities (State)	781	11.7	719	9.3	668	8.9	444	3.8	266	1.4
Mental Health Services Provider	40	0.6	349	4.5	1,504	20.0	5,694	48.8	11,216	57.0
ICF/MI Facility	2	0.0	4	0.1	3	0.0	4	0.0	1	0.0
Home Health Agencies	2,729	40.7	2,920	37.6	2,545	33.9	2,097	18.0	3,029	15.4
Community Health Agencies	1,367	20.4	1,484	19.1	529	7.1	503	4.3	714	3.6
DORS Schools	0	0.0	0	0.0	0	0.0	73	0.6	110	0.6
Multiple Service Providers	197	2.9	298	3.8	305	4.1	1,190	10.2	1,491	7.6
Total Number of Children Identified by Provider Type	6,698	100.0	7,761	100.0	7,502	100.0	11,660	100.0	19,680	100.0
CATEGORY OF SERVICE SELECTION										
DCFS Rehab Option	0	0.0	0	0.0	0	0.0	1,423	4.8	3,775	7.7
Physical Therapy	90	0.7	115	0.7	168	0.9	234	0.8	339	0.7
Occupational Therapy	92	0.7	176	1.1	396	2.0	526	1.8	806	1.6
Speech Therapy	1,310	9.7	1,578	10.0	2,507	12.9	7,909	26.4	16,052	32.8
Audiology Services	683	5.0	779	4.9	949	4.9	1,312	4.4	2,337	4.8
Psychiatric Clinic Services	2,899	21.4	2,920	18.5	3,457	17.8	3,638	12.2	4,724	9.6
Rehab Clinic Services	96	0.7	132	0.8	158	0.8	243	0.8	194	0.4
DMHDD Clinic Option	40	0.3	348	2.2	1,175	6.0	1,132	3.8	1,506	3.1
DMHDD Rehab Option	0	0.0	0	0.0	265	1.4	2,462	8.2	4,573	9.3
Alcohol and Drug Services	454	3.4	683	4.3	759	3.9	973	3.3	1,301	2.7
Exceptional Care-Hosp Residing	0	0.0	0	0.0	0	0.0	0	0.0	3	0.0
Prosthetic Devices	6,385	47.1	7,615	48.3	8,153	41.9	8,226	27.5	10,976	22.4
Targeted Case Management	0	0.0	0	0.0	62	0.3	630	2.1	1,308	2.7
LTC Skilled	6	0.0	11	0.1	8	0.0	5	0.0	5	0.0
LTC Intermediate	133	1.0	162	1.0	204	1.0	188	0.6	167	0.3
ICF/MR Skilled Pediatric	660	4.9	582	3.7	534	2.7	492	1.6	487	1.0

TABLE 1 (continued)										
	1990		1991		1992		1993		1994	
	N	%	N	%	N	%	N	%	N	%
LTC Special Living Center	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
MI Recipient Under 22	675	5.0	663	4.2	643	3.3	529	1.8	401	0.8
MI Recipient Non-matchable	0	0.0	1	0.0	1	0.0	0	0.0	1	0.0
LTC Day Care	20	0.1	14	0.1	10	0.1	8	0.0	10	0.0
Total Number of Children Identified by Category of Service	13,544	100.0	15,779	100.0	19,449	100.0	29,930	100.0	48,966	100.0

TABLE 2. Selection Method Used to Identify Disabling Conditions in the Medicaid Services Data: FY 1990-1994										
Method	1990		1991		1992		1993		1994	
	N	%	N	%	N	%	N	%	N	%
ICD-9-CM Diagnosis Only	15,202	44.0	17,680	45.1	21,072	46.8	21,668	38.6	32,778	37.3
Inpatient Service Only	2,240	6.5	1,941	4.9	1,349	3.0	1,427	2.5	1,927	2.2
Category of Service Only	6,353	18.4	7,232	18.4	8,316	18.5	8,671	15.5	10,425	11.9
Provider Type Only	1,377	4.0	1,408	3.6	1,219	2.7	942	1.7	1,303	1.5
ICD-9-CM Diagnosis and Category of Service	1,771	5.1	2,229	5.7	4,914	10.9	10,791	19.2	20,503	23.4
ICD-9-CM Diagnosis and Provider Type	245	0.7	396	1.0	409	0.9	494	0.9	807	0.9
Inpatient and ICD-9-CM Diagnosis	1,451	4.2	1,512	3.9	1,126	2.5	1,099	2.0	1,268	1.4
Inpatient and Category of Service	417	1.2	413	1.1	379	0.8	327	0.6	521	0.6
Inpatient and Provider Type	237	0.7	191	0.5	159	0.4	125	0.2	227	0.3
Provider Type and Category of Service	1,352	3.9	1,465	3.7	1,452	3.2	1,726	3.1	2,784	3.2
ICD-9-CM Diagnosis, Provider Type, and Category of Service	2,491	7.2	3,172	8.1	3,310	7.3	7,089	12.6	12,441	14.2
Inpatient, ICD-9-CM Diagnosis, and Category of Service	409	1.2	457	1.2	380	0.8	420	0.7	662	0.8
Inpatient, ICD-9-CM Diagnosis, and Provider Type	245	0.7	318	0.8	255	0.6	378	0.7	488	0.6
Inpatient, Provider Type, and Category of Service	289	0.8	246	0.6	213	0.5	121	0.2	194	0.2
Inpatient, ICD-9-CM Diagnosis, Provider Type, and Category of Service	462	1.3	565	1.4	485	1.1	785	1.4	1,436	1.6
Total Number of Children	34,541	100.0	39,225	100.0	45,038	100.0	56,063	100.0	87,764	100.0

TABLE 3. Demographic Profile of Children in AABD Programs: FY 1990-1994

	Fiscal Year									
	1990		1991		1992		1993		1994	
	N	%	N	%	N	%	N	%	N	%
All AABD Children	12,148	100	14,839	100	19,986	100	33,555	100	43,941	100
Race/Ethnicity										
White	4,435	36.5	5,330	35.9	6,784	33.9	11,182	33.3	14,164	32.2
African American	6,216	51.2	7,659	51.6	10,876	54.4	18,894	56.3	25,477	58.0
Hispanic	1,395	11.5	1,715	11.6	2,169	10.9	3,221	9.6	3,986	9.1
Asian	88	0.7	120	0.8	139	0.7	212	0.6	250	0.6
Native American	13	0.1	14	0.1	18	0.1	46	0.1	64	0.1
Other	1	0.0	1	0.0	0	0.0	0	0.0	0	0.0
Gender										
Female	5,064	41.7	6,073	40.9	7,904	39.5	13,418	40.0	17,368	39.5
Male	7,084	58.3	8,766	59.1	12,082	60.5	20,137	60.0	26,573	60.5
Age at Beginning of Fiscal Year										
Less than 1 year	436	3.6	605	4.1	720	3.6	1,365	4.1	1,909	4.3
1 year	424	3.5	528	3.6	786	3.9	1,062	3.2	1,348	3.1
2 years	470	3.9	598	4.0	819	4.1	1,306	3.9	1,515	3.4
3 years	530	4.4	651	4.4	858	4.3	1,368	4.1	1,802	4.1
4 years	560	4.6	690	4.6	932	4.7	1,455	4.3	1,923	4.4
5 years	626	5.2	714	4.8	941	4.7	1,536	4.6	1,999	4.5
6 years	659	5.4	759	5.1	1,062	5.3	1,620	4.8	2,131	4.8
7 years	701	5.8	895	6.0	1,141	5.7	1,790	5.3	2,339	5.3
8 years	750	6.2	918	6.2	1,297	6.5	1,972	5.9	2,552	5.8
9 years	703	5.8	942	6.3	1,313	6.6	2,119	6.3	2,719	6.2
10 years	736	6.1	896	6.0	1,379	6.9	2,253	6.7	2,867	6.5
11 years	691	5.7	930	6.3	1,306	6.5	2,252	6.7	3,044	6.9
12 years	725	6.0	875	5.9	1,316	6.6	2,270	6.8	3,037	6.9
13 years	697	5.7	902	6.1	1,200	6.0	2,275	6.8	3,074	7.0
14 years	721	5.9	863	5.8	1,239	6.2	2,110	6.3	2,987	6.8
15 years	736	6.1	878	5.9	1,115	5.6	2,208	6.6	2,800	6.4
16 years	802	6.6	917	6.2	1,155	5.8	1,993	5.9	2,885	6.6
17 years	1,181	9.7	1,278	8.6	1,407	7.0	2,601	7.8	3,010	6.9

TABLE 4. Demographic Profile of Children in the Special Education Program: FY 1990-1994

	Fiscal Year									
	1990		1991		1992		1993		1994	
	N	%	N	%	N	%	N	%	N	%
All Special Education Children	228,762	100	229,015	100	240,417	100	217,946	100	198,020	100
Race/Ethnicity										
White	161,865	70.8	161,617	70.6	166,419	69.2	151,412	69.5	135,366	68.4
African American	49,886	21.8	49,792	21.7	54,304	22.6	48,370	22.2	45,627	23.0
Hispanic	14,198	6.2	14,868	6.5	16,927	7.0	15,616	7.2	14,884	7.5
Asian	2,530	1.1	2,480	1.1	2,526	1.1	2,353	1.1	1,972	1.0
Native American	187	0.1	177	0.1	190	0.1	165	0.1	162	0.1
Other	96	0.0	81	0.0	51	0.0	30	0.0	9	0.0
Gender										
Female	74,241	32.5	75,635	33.0	79,884	33.2	73,171	33.6	65,553	33.1
Male	145,540	63.6	148,074	64.7	158,060	65.7	143,355	65.8	131,750	66.5
Unknown	8,981	3.9	5,306	2.3	2,473	1.0	1,420	0.7	717	0.4
Age at Beginning of Fiscal Year										
Less than 1 year	724	0.3	656	0.3	623	0.3	1,508	0.7	597	0.3
1 year	267	0.1	420	0.2	413	0.2	1,670	0.8	1,110	0.6
2 years	1,594	0.7	1,711	0.7	1,974	0.8	2,503	1.1	1,414	0.7
3 years	5,351	2.3	5,463	2.4	5,791	2.4	5,546	2.5	2,817	1.4
4 years	8,971	3.9	9,206	4.0	9,051	3.8	8,439	3.9	5,862	3.0
5 years	13,490	5.9	13,486	5.9	13,883	5.8	11,534	5.3	8,157	4.1
6 years	18,386	8.0	17,154	7.5	17,938	7.5	15,301	7.0	11,473	5.8
7 years	20,792	9.1	20,875	9.1	20,661	8.6	18,539	8.5	14,798	7.5
8 years	21,202	9.3	21,019	9.2	22,119	9.2	18,895	8.7	17,208	8.7
9 years	19,794	8.7	20,375	8.9	20,794	8.6	18,829	8.6	17,237	8.7
10 years	17,860	7.8	19,109	8.3	20,197	8.4	17,566	8.1	17,406	8.8
11 years	16,838	7.4	17,439	7.6	19,250	8.0	17,230	7.9	16,819	8.5
12 years	16,540	7.2	16,686	7.3	17,786	7.4	16,907	7.8	17,117	8.6
13 years	15,249	6.7	16,161	7.1	16,980	7.1	15,500	7.1	16,545	8.4
14 years	14,998	6.6	14,508	6.3	16,096	6.7	14,503	6.7	14,896	7.5
15 years	14,159	6.2	14,012	6.1	14,540	6.0	13,516	6.2	13,768	7.0
16 years	12,624	5.5	11,875	5.2	12,828	5.3	11,322	5.2	12,096	6.1
17 years	9,923	4.3	8,860	3.9	9,493	3.9	8,638	4.0	8,700	4.4

TABLE 5. Demographic Profile of Children in Medicaid Services Program: FY 1990-1994

	Fiscal Year									
	1990		1991		1992		1993		1994	
	N	%	N	%	N	%	N	%	N	%
All Medicaid Services Children	34,541	100	39,225	100	45,038	100	56,063	100	87,764	100
Race/Ethnicity										
White	15,233	44.1	17,986	45.9	21,099	46.8	26,175	46.7	36,987	42.1
African American	15,874	46.0	16,940	43.2	18,771	41.7	23,222	41.4	39,587	45.1
Hispanic	3,158	9.1	3,928	10.0	4,693	10.4	6,057	10.8	10,235	11.7
Asian	222	0.6	299	0.8	413	0.9	529	0.9	837	1.0
Native American	53	0.2	59	0.2	47	0.1	64	0.1	108	0.1
Other	1	0.0	13	0.0	15	0.0	16	0.0	10	0.0
Gender										
Female	15,373	44.5	17,337	44.2	19,259	42.8	23,497	41.9	35,896	40.9
Male	19,168	55.5	21,888	55.8	25,779	57.2	32,566	58.1	51,868	59.1
Age at Beginning of Fiscal Year										
Less than 1 year	8,733	25.3	9,974	25.4	10,277	22.8	10,791	19.2	14,476	16.5
1 year	1,888	5.5	2,317	5.9	2,815	6.3	2,908	5.2	3,724	4.2
2 years	1,656	4.8	1,949	5.0	2,371	5.3	2,885	5.1	3,849	4.4
3 years	1,548	4.5	1,820	4.6	2,270	5.0	2,859	5.1	4,269	4.9
4 years	1,575	4.6	1,770	4.5	2,195	4.9	2,987	5.3	4,549	5.2
5 years	1,612	4.7	1,886	4.8	2,306	5.1	3,223	5.7	5,250	6.0
6 years	1,676	4.9	1,788	4.6	2,373	5.3	3,349	6.0	5,417	6.2
7 years	1,722	5.0	1,865	4.8	2,258	5.0	3,430	6.1	5,510	6.3
8 years	1,570	4.5	1,773	4.5	2,132	4.7	3,039	5.4	5,522	6.3
9 years	1,466	4.2	1,631	4.2	1,976	4.4	2,739	4.9	4,995	5.7
10 years	1,341	3.9	1,572	4.0	1,849	4.1	2,628	4.7	4,562	5.2
11 years	1,245	3.6	1,454	3.7	1,837	4.1	2,411	4.3	4,347	5.0
12 years	1,315	3.8	1,397	3.6	1,857	4.1	2,464	4.4	4,269	4.9
13 years	1,369	4.0	1,583	4.0	1,797	4.0	2,381	4.2	4,161	4.7
14 years	1,548	4.5	1,638	4.2	1,890	4.2	2,317	4.1	3,948	4.5
15 years	1,497	4.3	1,694	4.3	1,734	3.9	2,201	3.9	3,482	4.0
16 years	1,487	4.3	1,569	4.0	1,682	3.7	1,925	3.4	3,116	3.6
17 years	1,293	3.7	1,545	3.9	1,419	3.2	1,526	2.7	2,318	2.6

TABLE 6. Demographic Profile of Children in DMH Inpatient Programs: FY 1990-1994

	Fiscal Year									
	1990		1991		1992		1993		1994	
	N	%	N	%	N	%	N	%	N	%
All DMH Inpatient Children	294	100	257	100	319	100	255	100	199	100
Race/Ethnicity										
White	143	48.6	129	50.2	150	47.0	131	51.4	97	48.7
African American	122	41.5	110	42.8	132	41.4	98	38.4	83	41.7
Hispanic	26	8.8	16	6.2	31	9.7	24	9.4	17	8.5
Asian	0	0.0	1	0.4	4	1.3	2	0.8	2	1.0
Native American	0	0.0	0	0.0	1	0.3	0	0.0	0	0.0
Other	3	1.0	1	0.4	1	0.3	0	0.0	0	0.0
Gender										
Female	113	38.4	148	57.6	113	35.4	95	37.3	588	295.5
Male	144	49.0	171	66.5	142	44.5	104	40.8	736	369.8
Age at Beginning of Fiscal Year										
Less than 1 year	15	5.1	13	5.1	23	7.2	12	4.7	5	2.5
1 year	5	1.7	5	1.9	11	3.4	9	3.5	7	3.5
2 years	2	0.7	8	3.1	9	2.8	5	2.0	5	2.5
3 years	4	1.4	8	3.1	8	2.5	9	3.5	5	2.5
4 years	1	0.3	5	1.9	8	2.5	9	3.5	11	5.5
5 years	18	6.1	2	0.8	7	2.2	4	1.6	4	2.0
6 years	8	2.7	16	6.2	4	1.3	7	2.7	4	2.0
7 years	9	3.1	8	3.1	18	5.6	8	3.1	4	2.0
8 years	12	4.1	12	4.7	9	2.8	14	5.5	5	2.5
9 years	12	4.1	9	3.5	8	2.5	14	5.5	12	6.0
10 years	12	4.1	13	5.1	24	7.5	10	3.9	13	6.5
11 years	18	6.1	14	5.4	24	7.5	18	7.1	8	4.0
12 years	23	7.8	19	7.4	23	7.2	18	7.1	20	10.1
13 years	25	8.5	18	7.0	23	7.2	23	9.0	25	12.6
14 years	26	8.8	26	10.1	30	9.4	21	8.2	14	7.0
15 years	34	11.6	34	13.2	27	8.5	30	11.8	12	6.0
16 years	37	12.6	20	7.8	35	11.0	27	10.6	28	14.1
17 years	33	11.2	27	10.5	28	8.8	17	6.7	17	8.5

TABLE 7. Primary Characteristic Category for Children in Special Ed: FY 1990-1994

Category	Fiscal Year									
	1990		1991		1992		1993		1994	
	N	%	N	%	N	%	N	%	N	%
Deaf and Blind	3,842	1.7	3,864	1.7	4,073	1.7	3,942	1.8	4,044	2.0
Learning Disabled	100,382	43.9	103,440	45.2	112,210	46.7	100,699	46.2	96,556	48.8
Mentally Retarded	21,904	9.6	21,688	9.5	22,578	9.4	19,909	9.1	20,809	10.5
Physical Disability	3,200	1.4	3,230	1.4	3,121	1.3	3,402	1.6	3,013	1.5
Speech or Language Disorder	68,199	29.8	68,515	29.9	68,389	28.4	63,918	29.3	48,522	24.5
Severely Emotionally Disturbed	29,256	12.8	26,241	11.5	27,771	11.6	22,015	10.1	21,769	11.0
Other Type of Disability	1,978	0.9	2,037	0.9	2,275	0.9	4,061	1.9	3,307	1.7
Total Number of Children	228,762	100.0	229,015	100.0	240,417	100.0	217,946	100.0	198,020	100.0

TABLE 8. Number of Children Selected from the Medicaid Services Database by ICD-9 Diagnostic Category: FY 1990-1994

Diagnostic Category	Fiscal Year									
	1990		1991		1992		1993		1994	
	N	%	N	%	N	%	N	%	N	%
Infectious Diseases	78	0.2	90	0.2	107	0.2	177	0.3	215	0.2
AIDS	16	0.0	35	0.1	42	0.1	86	0.2	97	0.1
Other Infectious Diseases	62	0.2	55	0.1	65	0.1	91	0.2	118	0.1
Neoplasms	433	1.3	558	1.4	772	1.7	1,122	2.0	1,299	1.5
Endocrine, Nutritional and Metabolic Diseases	628	1.8	847	2.2	1,200	2.7	1,132	2.0	1,733	2.0
Diseases of the Blood and Blood Forming Organs	956	2.8	1,090	2.8	1,175	2.6	1,140	2.0	1,331	1.5
Sickle Cell Anemia	800	2.3	882	2.2	936	2.1	867	1.5	985	1.1
Other Diseases of the Blood and Blood Forming Organs	156	0.5	208	0.5	239	0.5	273	0.5	346	0.4
Mental Disorders	7,214	20.9	8,574	21.9	11,697	26.0	19,748	35.2	35,707	40.7
Developmental Speech or Language Disorder	1,255	3.6	1,305	3.3	2,268	5.0	6,603	11.8	12,235	13.9
Attention Deficit Disorders	1,875	5.4	2,574	6.6	3,544	7.9	4,694	8.4	6,465	7.4
Disturbance of Emotions Specific to Childhood and Adolescence	164	0.5	268	0.7	571	1.3	1,044	1.9	7,603	8.7
Other Mental Disorders	3,920	11.3	4,427	11.3	5,314	11.8	7,407	13.2	9,404	10.7
Diseases of the Nervous System and Sense Organs	3,113	9.0	3,558	9.1	3,865	8.6	4,453	7.9	5,324	6.1
Infantile Cerebral Palsy	515	1.5	528	1.3	539	1.2	711	1.3	666	0.8
Hearing Loss	1,983	5.7	2,377	6.1	2,543	5.6	2,934	5.2	3,651	4.2
Other Diseases of the Nervous System and Sense Organs	615	1.8	653	1.7	783	1.7	808	1.4	1,007	1.1
Diseases of the Circulatory System	290	0.8	297	0.8	340	0.8	315	0.6	418	0.5
Diseases of the Respiratory System	1,728	5.0	1,572	4.0	1,888	4.2	3,248	5.8	4,671	5.3
Asthma	1,657	4.8	1,519	3.9	1,827	4.1	2,915	5.2	4,230	4.8
Other Diseases of the Respiratory System	71	0.2	53	0.1	61	0.1	333	0.6	441	0.5
Diseases of the Digestive System	103	0.3	107	0.3	111	0.2	109	0.2	134	0.2
Diseases of the Genitourinary System	207	0.6	194	0.5	211	0.5	197	0.4	251	0.3
Complications of Pregnancy	43	0.1	56	0.1	116	0.3	115	0.2	140	0.2
Diseases of the Skin and Subcutaneous Tissue	33	0.1	33	0.1	34	0.1	32	0.1	38	0.0
Diseases of the Musculoskeletal System and Connective Tissue	238	0.7	270	0.7	302	0.7	365	0.7	481	0.5
Congenital Anomalies	1,849	5.4	2,282	5.8	2,572	5.7	2,571	4.6	3,251	3.7
Conditions Originating in the Perinatal Period	338	1.0	420	1.1	405	0.9	839	1.5	1,336	1.5
Symptoms, Signs, and Ill-Defined Conditions	167	0.5	235	0.6	321	0.7	645	1.2	1,054	1.2
Injury and Poisoning	247	0.7	208	0.5	266	0.6	432	0.8	706	0.8
Supplementary Classification	415	1.2	448	1.1	197	0.4	587	1.0	1,760	2.0
Multiple Diagnoses	4,953	14.3	6,169	15.7	7,449	16.5	9,611	17.1	16,765	19.1
Unrequired Code	3,642	10.5	4,452	11.3	4,848	10.8	2,390	4.3	1,835	2.1
Institutional Claim	7,866	22.8	7,765	19.8	7,162	15.9	7,162	12.8	9,315	10.6
Total Number of Children	34,541	100.0	39,225	100.0	45,038	100.0	56,063	100.0	87,764	100.0

* Note: Multiple Diagnosis refers to the presence of diagnoses in more than one valid three digit diagnostic category during an fiscal year.

** Note: ICD-9 codes are not entered on claims for medical supplies and equipment.

TABLE 9. Number of Children Age 13 and Under by Consecutive Years of Program Participation: Entry Cohorts FY 1990-1994

New Entry Cohort	Consecutive Years in Program									
	1 year		2 years		3 years		4 years		5 years	
	N	%	N	%	N	%	N	%	N	%
AABD PROGRAM										
FY 1991	3,685	100.0	3,376	91.6	2,856	77.5	2,578	70.0		
FY 1992	5,729	100.0	5,331	93.1	4,900	85.5				
FY 1993	10,968	100.0	10,353	94.4						
FY 1994	10,327	100.0								
SPECIAL EDUCATION PROGRAM										
FY 1991	53,346	100.0	40,387	75.7	27,933	52.4	21,271	39.9		
FY 1992	52,241	100.0	35,970	68.9	27,316	52.3				
FY 1993	43,667	100.0	31,385	71.9						
FY 1994	14,799	100.0								
MEDICAID SERVICES										
FY 1991	21,217	100.0	6,943	32.7	3,245	15.3	2,351	11.1		
FY 1992	22,950	100.0	7,391	32.2	4,219	18.4				
FY 1993	28,422	100.0	12,754	44.9						
FY 1994	42,355	100.0								
DMH INPATIENT SERVICES										
FY 1991	82	100.0	16	19.5	12	14.6	11	13.4		
FY 1992	123	100.0	28	22.8	17	13.8				
FY 1993	64	100.0	13	20.3						
FY 1994	46	100.0								

TABLE 10. Number of Children Entering Disability Programs by Participation in the Past Year: Entry Cohorts FY 1991-1994

	Any Other Participation Last Year		Participation in AABD Last Year		Participation in Special Education Last Year		Participation in Medicaid Last Year		Participation in DMH Last Year		Total
	N	%	N	%	N	%	N	%	N	%	N
FY 1991											
New AABD Participants	2,487	47.2	N/A	N/A	1,678	31.8	1,129	21.4	5	0.1	5,274
New Special Education Participants	1,988	3.2	570	0.9	N/A	N/A	1,700	2.7	8	0.0	63,060
New Medicaid Service Participants	3,753	14.2	991	3.8	3,351	12.7	N/A	N/A	2	0.0	26,390
New DMH Participants	31	22.1	10	7.1	25	17.9	19	13.6	N/A	N/A	140
FY 1992											
New AABD Participants	3,971	51.2	N/A	N/A	2,732	35.2	1,764	22.7	5	0.1	7,757
New Special Education Participants	2,476	4.0	813	1.3	N/A	N/A	2,043	3.3	4	0.0	62,208
New Medicaid Service Participants	4,074	14.7	874	3.1	3,738	13.5	N/A	N/A	2	0.0	27,763
New DMH Participants	45	22.1	12	5.9	33	16.2	25	12.3	N/A	N/A	204
FY 1993											
New AABD Participants	6,873	41.5	N/A	N/A	5,151	31.1	2,576	15.6	9	0.1	16,543
New Special Education Participants	2,793	5.5	845	1.7	N/A	N/A	2,429	4.8	7	0.0	50,325
New Medicaid Service Participants	6,365	18.7	1,224	3.6	5,981	17.5	N/A	N/A	2	0.0	34,122
New DMH Participants	30	24.0	8	6.4	23	18.4	18	14.4	N/A	N/A	125
FY 1994											
New AABD Participants	5,854	39.3	N/A	N/A	3,923	26.4	2,856	19.2	4	0.0	14,879
New Special Education Participants	1,978	10.8	848	4.6	N/A	N/A	1,481	8.1	2	0.0	18,246
New Medicaid Service Participants	10,630	20.6	3,044	5.9	9,435	18.3	N/A	N/A	3	0.0	51,522
New DMH Participants	12	15.2	8	10.1	10	12.7	8	10.1	N/A	N/A	79

TABLE 11. Number of Children Per Fiscal Year by Type of Service Category: FY 1990-1994

Type of Service	1990		1991		1992		1993		1994	
	N	%	N	%	N	%	N	%	N	%
AABD Services Only	3,939	1.5	4,712	1.8	5,954	2.1	14,374	5.3	18,021	6.5
Special Education Services Only	216,987	83.7	215,265	81.6	221,722	79.3	193,464	70.9	163,210	58.8
Medicaid Services Only	24,230	9.4	27,395	10.4	29,918	10.7	35,395	13.0	54,172	19.5
DMH Services Only	195	0.1	173	0.1	226	0.1	183	0.1	147	0.1
Special Education and Medicaid Services	5,501	2.1	6,046	2.3	7,710	2.8	10,150	3.7	16,201	5.8
AABD and Medicaid Services	1,971	0.8	2,445	0.9	3,074	1.1	4,853	1.8	7,316	2.6
AABD and Special Education Services	3,444	1.3	4,376	1.7	6,661	2.4	8,692	3.2	8,539	3.1
Medicaid and DMH Services	8	0.0	10	0.0	14	0.0	20	0.0	6	0.0
Special Education and DMH Services	6	0.0	5	0.0	5	0.0	3	0.0	4	0.0
AABD and DMH Services	0	0.0	2	0.0	1	0.0	3	0.0	1	0.0
AABD, Medicaid, and DMH Services	7	0.0	6	0.0	3	0.0	8	0.0	6	0.0
AABD, Special Education and Medicaid Services	2,747	1.1	3,262	1.2	4,250	1.5	5,599	2.1	10,031	3.6
AABD, Special Education, and DMH Services	1	0.0	0	0.0	1	0.0	0	0.0	3	0.0
Special Education, Medicaid, and DMH Services	38	0.0	25	0.0	27	0.0	9	0.0	8	0.0
AABD, Special Education, Medicaid, and DMH Services	39	0.0	36	0.0	42	0.0	29	0.0	24	0.0
Total Number of Children	259,113	100.0	263,758	100.0	279,608	100.0	272,779	100.0	277,689	100.0

TABLE 12. Summary of Multi-Service Utilization by Program Type: FY 1990-1994

	Fiscal Year				
	1990	1991	1992	1993	1994
ALL DISABLED CHILDREN	259,113	263,758	279,608	272,779	277,689
Multi-Service Users	13,762	16,213	21,788	29,366	42,139
Services	5.3%	6.1%	7.8%	10.8%	15.2%
	Number of Children				
AABD	12,148	14,839	19,986	33,555	43,941
AABD and Special Education	6,231	7,674	10,954	14,320	18,597
AABD and Medicaid	4,764	5,749	7,369	10,489	17,377
AABD and DMH	40	38	44	32	28
AABD and any other service	8,209	10,127	14,032	19,184	25,920
	Percentage of AABD Children				
% of AABD and Special Education	51.3%	51.7%	54.8%	42.7%	42.3%
% of AABD and Medicaid	39.2%	38.7%	36.9%	31.3%	39.5%
% of AABD and DMH	0.3%	0.3%	0.2%	0.1%	0.1%
% of AABD and any other service	67.6%	68.2%	70.2%	57.2%	59.0%
	Number of Children				
SPECIAL EDUCATION	228,763	229,015	240,418	217,946	198,020
Special Education and AABD	6,231	7,674	10,954	14,320	18,597
Special Education and Medicaid	8,325	9,369	12,029	15,787	26,264
Special Education and DMH	84	66	75	41	39
Special Education and any other service	11,776	13,750	18,696	24,482	34,810
	Percentage of Special Education Children				
% of Special Education and AABD	2.7%	3.4%	4.6%	6.6%	9.4%
% of Special Education and Medicaid	3.6%	4.1%	5.0%	7.2%	13.3%
% of Special Education and DMH	0.0%	0.0%	0.0%	0.0%	0.0%
% of Special Education and any other service	5.1%	6.0%	7.8%	11.2%	17.6%
	Number of Children				
MEDICAID SERVICES	34,541	39,225	45,038	56,063	87,764
Medicaid and AABD	4,764	5,749	7,369	10,489	17,377
Medicaid and Special Education	8,325	9,369	12,029	15,787	26,264
Medicaid and DMH	92	77	86	66	44
Medicaid and any other service	10,311	11,830	15,120	20,668	33,592

TABLE 12 (continued)					
	Fiscal Year				
	1990	1991	1992	1993	1994
	Percentage of Medicaid Children				
% of Medicaid and AABD	13.8%	14.7%	16.4%	18.7%	19.8%
% of Medicaid and Special Education	24.1%	23.9%	26.7%	28.2%	29.9%
% of Medicaid and DMH	0.3%	0.2%	0.2%	0.1%	0.1%
% of Medicaid and any other service	29.9%	30.2%	33.6%	36.9%	38.3%
	Number of Children				
DMH SERVICES	294	257	319	255	199
DMH and AABD	47	44	47	40	34
DMH and Special Education	84	66	75	41	39
DMH and Medicaid	92	77	86	66	44
DMH and any other service	99	84	93	72	52
	Percentage of DMH Children				
% of DMH and AABD	16.0%	17.1%	14.7%	15.7%	17.1%
% of DMH and Special Education	28.6%	25.7%	23.5%	16.1%	19.6%
% of DMH and Medicaid	31.3%	30.0%	27.0%	25.9%	22.1%
% of DMH and any other service	33.7%	32.7%	29.2%	28.2%	26.1%

TABLE 13. Number of Children Per Fiscal Year of Entry by Type of Service Category: Entry Cohorts FY 1991-1994

Type of Service	Fiscal Year of Entry							
	1991		1992		1993		1994	
	N	%	N	%	N	%	N	%
AABD Services Only	1,771	2.1	2,104	2.5	6,849	8.7	5,642	9.6
Special Education Services Only	59,338	70.5	56,972	68.6	44,017	56.0	14,052	23.8
Medicaid Services Only	20,697	24.6	21,109	25.4	24,018	30.6	36,103	61.2
DMH Services Only	102	0.1	149	0.2	90	0.1	60	0.1
Special Education and Medicaid Services	1,262	1.5	1,472	1.8	1,858	2.4	1,245	2.1
AABD and Medicaid Services	550	0.7	541	0.7	948	1.2	1,495	2.5
AABD and Special Education Services	344	0.4	554	0.7	544	0.7	243	0.4
Medicaid and DMH Services	1	0.0	4	0.0	0	0.0	1	0.0
Special Education and DMH Services	1	0.0	1	0.0	0	0.0	1	0.0
AABD and DMH Services	0	0.0	0	0.0	1	0.0	0	0.0
AABD, Medicaid, and DMH Services	0	0.0	0	0.0	0	0.0	0	0.0
AABD, Special Education and Medicaid Services	122	0.1	166	0.2	228	0.3	172	0.3
AABD, Special Education, and DMH Services	0	0.0	0	0.0	0	0.0	0	0.0
Special Education, Medicaid, and DMH Services	5	0.0	1	0.0	0	0.0	0	0.0
AABD, Special Education, Medicaid, and DMH Services	0	0.0	0	0.0	0	0.0	0	0.0
Total Number of Children	84,193	100.0	83,073	100.0	78,553	100.0	59,014	100.0

TABLE 14. Summary of Multi-Service Utilization by Program Type: Entry Cohorts FY 1991-1994

	Fiscal Year			
	1991	1992	1993	1994
ALL DISABLED CHILDREN	84,193	83,073	78,553	59,014
Multi-Service Users	2,285	2,739	3,579	3,157
Services	2.7%	3.3%	4.6%	5.3%
	Number of Children			
AABD	2,787	3,365	8,570	7,552
AABD and Special Education	466	720	772	415
AABD and Medicaid	672	707	1,176	1,667
AABD and DMH	0	0	1	0
AABD and any other service	1,016	1,216	1,721	1,910
	Percentage of AABD Children			
% of AABD and Special Education	16.7%	21.4%	9.0%	5.5%
% of AABD and Medicaid	24.1%	21.0%	13.7%	22.1%
% of AABD and DMH	0.0%	0.0%	0.0%	0.0%
% of AABD and any other service	36.5%	37.5%	20.1%	25.3%
	Number of Children			
SPECIAL EDUCATION	61,072	59,166	46,647	15,713
Special Education and AABD	466	720	772	415
Special Education and Medicaid	672	707	1,176	1,667
Special Education and DMH	6	2	0	1
Special Education and any other service	1,734	2,194	2,630	1,661
	Percentage of Special Education Children			
% of Special Education and AABD	0.8%	1.2%	1.7%	2.6%
% of Special Education and Medicaid	1.1%	1.2%	2.5%	10.6%
% of Special Education and DMH	0.0%	0.0%	0.0%	0.0%
% of Special Education and any other service	2.8%	3.7%	5.6%	10.6%
	Number of Children			
MEDICAID SERVICES	22,637	23,293	27,052	39,016
Medicaid and AABD	672	707	1,176	1,667
Medicaid and Special Education	1,389	1,639	2,086	1,417
Medicaid and DMH	6	5	0	1
Medicaid and any other service	1,940	2,184	3,034	2,913

TABLE 14 (continued)				
	Fiscal Year			
	1991	1992	1993	1994
	Percentage of Medicaid Children			
% of Medicaid and AABD	3.0%	3.0%	4.3%	4.3%
% of Medicaid and Special Education	6.1%	7.0%	7.7%	3.6%
% of Medicaid and DMH	0.0%	0.0%	0.0%	0.0%
% of Medicaid and any other service	8.6%	9.4%	11.2%	7.5%
	Number of Children			
DMH SERVICES	109	055	91	62
DMH and AABD	0	0	1	0
DMH and Special Education	6	2	0	1
DMH and Medicaid	6	5	0	1
DMH and any other service	7	6	1	2
	Percentage of DMH Children			
% of DMH and AABD	0.0%	0.0%	1.1%	0.0%
% of DMH and Special Education	5.5%	1.3%	0.0%	1.6%
% of DMH and Medicaid	5.5%	3.2%	0.0%	1.6%
% of DMH and any other service	6.4%	3.9%	1.1%	3.2%

TABLE 15. Number of Single Service Children Indicated for Future Multi-Service Use: Entry Cohorts FY 1991-1993

Initial Type of Service	Multi-Service Indicated							
	Fiscal Year of Entry	After 1 Year		After 2 Years		After 3 Years		Total
		N	%	N	%	N	%	N
All Single Service Users	1991	3,559	4.3	6,823	8.3	9,637	11.8	81,908
	1992	5,038	6.3	8,744	10.9			80,334
	1993	4,592	6.1					74,974
AABD Services Only	1991	299	16.9	411	23.2	505	28.5	1,771
	1992	325	15.4	552	26.2	-	-	2,104
	1993	740	10.8	-	-	-	-	6,849
Special Education Services Only	1991	1,419	2.4	3,259	5.5	5,391	9.1	59,338
	1992	2,590	4.5	5,313	9.3	-	-	56,972
	1993	2,002	4.5	-	-	-	-	44,017
Medicaid Services Only	1991	1,839	8.9	3,149	15.2	3,737	18.1	20,697
	1992	2,122	10.1	2,875	13.6	-	-	21,109
	1993	1,848	7.7	-	-	-	-	24,018
DMH Services Only	1991	2	2.0	4	3.9	4	3.9	102
	1992	1	0.7	4	2.7	-	-	149
	1993	2	2.2	-	-	-	-	90

TABLE 16. Number of Children Receiving Special Education by Primary Characteristics Category and Type of Service: FY 1990-1994							
Category	Type of Service						
	Special Education		Special Education and AABD Services		Special Education and Medicaid Services		Percent of Special Education Children in AABD or Medicaid
	N	%	N	%	N	%	%
FY 1990							
Deaf and Blind	3,843	1.7	476	7.6	309	3.7	15.5
Learning Disabled	100,382	43.9	585	9.4	1,768	21.2	2.2
Mentally Retarded	21,904	9.6	3,303	53.0	2,112	25.4	18.3
Physical Disability	3,200	1.4	668	10.7	616	7.4	25.0
Speech or Language Disorder	68,199	29.8	181	2.9	1,156	13.9	1.9
Severely Emotionally Disturbed	29,256	12.8	763	12.2	2,110	25.3	8.7
Other Type of Disability	1,978	0.9	255	4.1	254	3.1	18.8
Total Number of Children	228,762	100.0	6,231	100.0	8,325	100.0	5.1
FY 1991							
Deaf and Blind	3,864	1.7	525	6.8	410	4.4	18.1
Learning Disabled	103,440	45.2	958	12.5	2,168	23.1	2.8
Mentally Retarded	21,688	9.5	3,804	49.6	2,272	24.3	21.0
Physical Disability	3,230	1.4	758	9.9	715	7.6	28.3
Speech or Language Disorder	68,515	29.9	259	3.4	1,299	13.9	2.1
Severely Emotionally Disturbed	26,241	11.5	1,042	13.6	2,167	23.1	10.6
Other Type of Disability	2,037	0.9	328	4.3	338	3.6	23.8
Total Number of Children	229,015	100.0	7,674	100.0	9,369	100.0	6.0
FY 1992							
Deaf and Blind	4,073	1.7	654	6.0	432	3.6	20.0
Learning Disabled	112,210	46.7	2,177	19.9	3,113	25.9	4.2
Mentally Retarded	22,578	9.4	4,895	44.7	2,759	22.9	25.7
Physical Disability	3,121	1.3	755	6.9	715	5.9	29.6
Speech or Language Disorder	68,389	28.4	493	4.5	1,916	15.9	3.2
Severely Emotionally Disturbed	27,771	11.6	1,587	14.5	2,687	22.3	13.1
Other Type of Disability	2,275	0.9	393	3.6	407	3.4	25.5
Total Number of Children	240,417	100.0	10,954	100.0	12,029	100.0	7.8
FY 1993							
Deaf and Blind	3,942	1.8	705	4.9	592	3.7	22.4
Learning Disabled	100,699	46.2	3,875	27.1	3,962	25.1	6.8
Mentally Retarded	19,909	9.1	5,312	37.1	3,031	19.2	31.6
Physical Disability	3,402	1.6	891	6.2	937	5.9	33.9
Speech or Language Disorder	63,918	29.3	953	6.7	3,859	24.4	6.9
Severely Emotionally Disturbed	22,015	10.1	1,984	13.9	2,596	16.4	17.5
Other Type of Disability	4,061	1.9	600	4.2	810	5.1	26.0
Total Number of Children	217,946	100.0	14,320	100.0	15,787	100.0	11.2

TABLE 16 (continued)

Category	Type of Service						
	Special Education		Special Education and AABD Services		Special Education and Medicaid Services		Percent of Special Education Children in AABD or Medicaid
	N	%	N	%	N	%	%
FY 1994							
Deaf and Blind	4,044	2.0	830	4.5	845	3.2	26.2
Learning Disabled	96,556	48.8	5,752	30.9	8,429	32.1	12.1
Mentally Retarded	20,809	10.5	6,536	35.1	5,123	19.5	39.3
Physical Disability	3,013	1.5	855	4.6	930	3.5	36.2
Speech or Language Disorder	48,522	24.5	1,150	6.2	5,534	21.1	12.3
Severely Emotionally Disturbed	21,769	11.0	2,783	15.0	4,567	17.4	26.5
Other Type of Disability	3,307	1.7	691	3.7	836	3.2	31.6
Total Number of Children	198,020	100.0	18,597	100.0	26,264	100.0	17.6

TABLE 17a. Number of Children Receiving Medicaid Services by Type of Selection and Type of Service: FY 1990

Type of Selection	Type of Service						
	Medicaid Services		Medicaid Services and Special Education		Medicaid Services and AABD		Percent of Medicaid Services Receiving Special Education or AABD
	N	%	N	%	N	%	%
ICD-9-CM DIAGNOSIS SELECTION							
Infectious Diseases	41	0.1	4	0.0	4	0.1	19.5
AIDS	20	0.1	0	0.0	2	0.0	10.0
Other Infectious Diseases	21	0.1	4	0.0	2	0.0	28.6
Neoplasms	471	1.4	70	0.8	86	1.8	27.0
Endocrine, Nutritional and Metabolic Diseases	678	2.0	70	0.8	70	1.5	16.4
Diseases of the Blood and Blood Forming Organs	1,027	3.0	96	1.2	219	4.6	26.0
Sickle Cell Anemia	850	2.5	72	0.9	194	4.1	26.5
Other Diseases of the Blood and Blood Forming Organs	177	0.5	24	0.3	25	0.5	23.7
Mental Disorders	7,776	22.5	2,837	34.1	583	12.2	38.9
Developmental Speech or Language Disorder	1,381	4.0	769	9.2	115	2.4	57.6
Attention Deficit Disorders	1,920	5.6	861	10.3	127	2.7	46.1
Disturbance of Emotions Specific to Childhood and Adolescence	176	0.5	52	0.6	8	0.2	31.8
Other Mental Disorders	4,299	12.4	1,155	13.9	333	7.0	30.0
Diseases of the Nervous System and Sense Organs	3,913	11.3	1,355	16.3	1,130	23.7	44.0
Infantile Cerebral Palsy	1,127	3.3	666	8.0	784	16.5	80.9
Hearing Loss	2,241	6.5	569	6.8	234	4.9	28.7
Other Diseases of the Nervous System and Sense Organs	545	1.6	120	1.4	112	2.4	30.3
Diseases of the Circulatory System	306	0.9	35	0.4	18	0.4	14.1
Diseases of the Respiratory System	1,992	5.8	111	1.3	94	2.0	9.1
Asthma	1,982	5.7	109	1.3	94	2.0	9.0
Other Diseases of the Respiratory System	10	0.0	2	0.0	0	0.0	20.0
Diseases of the Digestive System	68	0.2	11	0.1	6	0.1	22.1
Diseases of the Genitourinary System	216	0.6	24	0.3	19	0.4	18.5
Diseases of the Skin and Subcutaneous Tissue	4	0.0	1	0.0	0	0.0	25.0
Diseases of the Musculoskeletal System and Connective Tissue	264	0.8	56	0.7	43	0.9	29.2
Congenital Anomalies	2,392	6.9	318	3.8	389	8.2	21.8
Conditions Originating in the Perinatal Period	26	0.1	0	0.0	0	0.0	0.0
Injury and Poisoning	39	0.1	4	0.0	3	0.1	12.8
Supplementary Classification	7	0.0	1	0.0	4	0.1	57.1
Multiple Diagnoses	3,056	8.8	1,183	14.2	716	15.0	48.5
OTHER SELECTION METHOD							
Inpatient Hospitalization	3,183	9.2	237	2.8	157	3.3	10.7
Provider Type	2,729	7.9	695	8.3	524	11.0	31.7
Category of Service	6,353	18.4	1,217	14.6	699	14.7	23.1
Total Number of Children	34,541	100.0	8,325	100.0	4,764	100.0	29.8

TABLE 17b. Number of Children Receiving Medicaid Services by Type of Selection and Type of Service: FY 1991

Type of Selection	Type of Service						
	Medicaid Services		Medicaid Services and Special Education		Medicaid Services and AABD		Percent of Medicaid Services Receiving Special Education or AABD
	N	%	N	%	N	%	%
ICD-9-CM DIAGNOSIS SELECTION							
Infectious Diseases	60	0.2	3	0.0	7	0.1	15.0
AIDS	43	0.1	3	0.0	6	0.1	18.6
Other Infectious Diseases	17	0.0	0	0.0	1	0.0	5.9
Neoplasms	619	1.6	67	0.7	101	1.8	22.9
Endocrine, Nutritional and Metabolic Diseases	892	2.3	85	0.9	87	1.5	16.0
Diseases of the Blood and Blood Forming Organs	1,171	3.0	117	1.2	285	5.0	28.7
Sickle Cell Anemia	941	2.4	94	1.0	240	4.2	29.6
Other Diseases of the Blood and Blood Forming Organs	230	0.6	23	0.2	45	0.8	24.8
Mental Disorders	9,305	23.7	3,221	34.4	852	14.8	37.8
Developmental Speech or Language Disorder	1,460	3.7	751	8.0	155	2.7	55.0
Attention Deficit Disorders	2,645	6.7	1,077	11.5	223	3.9	43.0
Disturbance of Emotions Specific to Childhood and Adolescence	288	0.7	86	0.9	17	0.3	32.3
Other Mental Disorders	4,912	12.5	1,307	14.0	457	7.9	30.2
Diseases of the Nervous System and Sense Organs	4,538	11.6	1,499	16.0	1,251	21.8	41.6
Infantile Cerebral Palsy	1,198	3.1	705	7.5	815	14.2	79.5
Hearing Loss	2,751	7.0	647	6.9	291	5.1	26.5
Other Diseases of the Nervous System and Sense Organs	589	1.5	147	1.6	145	2.5	34.8
Diseases of the Circulatory System	311	0.8	24	0.3	16	0.3	10.6
Diseases of the Respiratory System	1,861	4.7	118	1.3	103	1.8	10.2
Asthma	1,855	4.7	116	1.2	102	1.8	10.1
Other Diseases of the Respiratory System	6	0.0	2	0.0	1	0.0	33.3
Diseases of the Digestive System	75	0.2	10	0.1	9	0.2	21.3
Diseases of the Genitourinary System	198	0.5	25	0.3	16	0.3	18.2
Diseases of the Skin and Subcutaneous Tissue	4	0.0	1	0.0	0	0.0	25.0
Diseases of the Musculoskeletal System and Connective Tissue	300	0.8	76	0.8	42	0.7	31.7
Congenital Anomalies	2,849	7.3	386	4.1	441	7.7	21.4
Conditions Originating in the Perinatal Period	90	0.2	1	0.0	0	0.0	1.1
Injury and Poisoning	31	0.1	2	0.0	3	0.1	16.1
Supplementary Classification	19	0.0	3	0.0	6	0.1	31.6
Multiple Diagnoses	4,006	10.2	1,552	16.6	1,005	17.5	49.7
OTHER SELECTION METHOD							
Inpatient Hospitalization	2,791	7.1	189	2.0	157	2.7	10.7
Provider Type	2,873	7.3	629	6.7	497	8.6	27.9
Category of Service	7,232	18.4	1,361	14.5	871	15.2	23.5
Total Number of Children	39,225	100.0	9,369	100.0	5,749	100.0	30.1

TABLE 17c. Number of Children Receiving Medicaid Services by Type of Selection and Type of Service: FY 1992

Type of Selection	Type of Service						
	Medicaid Services		Medicaid Services and Special Education		Medicaid Services and AABD		Percent of Medicaid Services Receiving Special Education or AABD
	N	%	N	%	N	%	%
ICD-9-CM DIAGNOSIS SELECTION							
Infectious Diseases	63	0.1	10	0.1	14	0.2	36.5
AIDS	53	0.1	8	0.1	10	0.1	34.0
Other Infectious Diseases	10	0.0	2	0.0	4	0.1	50.0
Neoplasms	845	1.9	76	0.6	114	1.5	19.4
Endocrine, Nutritional and Metabolic Diseases	1,281	2.8	112	0.9	113	1.5	14.4
Diseases of the Blood and Blood Forming Organs	1,247	2.8	128	1.1	352	4.8	32.1
Sickle Cell Anemia	987	2.2	104	0.9	295	4.0	33.8
Other Diseases of the Blood and Blood Forming Organs	260	0.6	24	0.2	57	0.8	25.4
Mental Disorders	12,481	27.7	5,002	41.6	1,483	20.1	43.8
Developmental Speech or Language Disorder	2,501	5.6	1,649	13.7	429	5.8	69.9
Attention Deficit Disorders	3,623	8.0	1,518	12.6	430	5.8	45.7
Disturbance of Emotions Specific to Childhood and Adolescence	599	1.3	181	1.5	59	0.8	33.6
Other Mental Disorders	5,758	12.8	1,654	13.8	565	7.7	32.4
Diseases of the Nervous System and Sense Organs	4,687	10.4	1,594	13.3	1,330	18.0	42.6
Infantile Cerebral Palsy	1,277	2.8	767	6.4	871	11.8	81.1
Hearing Loss	2,837	6.3	679	5.6	314	4.3	27.0
Other Diseases of the Nervous System and Sense Organs	573	1.3	148	1.2	145	2.0	33.9
Diseases of the Circulatory System	359	0.8	31	0.3	20	0.3	12.3
Diseases of the Respiratory System	2,276	5.1	168	1.4	194	2.6	13.4
Asthma	2,272	5.0	168	1.4	194	2.6	13.4
Other Diseases of the Respiratory System	4	0.0	0	0.0	0	0.0	0.0
Diseases of the Digestive System	76	0.2	8	0.1	11	0.1	19.7
Diseases of the Genitourinary System	207	0.5	27	0.2	24	0.3	20.8
Diseases of the Skin and Subcutaneous Tissue	4	0.0	0	0.0	0	0.0	0.0
Diseases of the Musculoskeletal System and Connective Tissue	314	0.7	83	0.7	59	0.8	35.7
Congenital Anomalies	3,069	6.8	466	3.9	527	7.2	23.4
Conditions Originating in the Perinatal Period	69	0.2	0	0.0	0	0.0	0.0
Injury and Poisoning	80	0.2	7	0.1	2	0.0	11.3
Supplementary Classification	19	0.0	5	0.0	11	0.1	63.2
Multiple Diagnoses	4,874	10.8	1,995	16.6	1,404	19.1	53.3
OTHER SELECTION METHOD							
Inpatient Hospitalization	2,100	4.7	150	1.2	173	2.3	12.4
Provider Type	2,671	5.9	573	4.8	498	6.8	27.9
Category of Service	8,316	18.5	1,594	13.3	1,040	14.1	24.1
Total Number of Children	45,038	100.0	12,029	100.0	7,369	100.0	33.5

TABLE 17d. Number of Children Receiving Medicaid Services by Type of Selection and Type of Service: FY 1993

Type of Selection	Type of Service						
	Medicaid Services		Medicaid Services and Special Education		Medicaid Services and AABD		Percent of Medicaid Services Receiving Special Education or AABD
	N	%	N	%	N	%	%
ICD-9-CM DIAGNOSIS SELECTION							
Infectious Diseases	115	0.2	8	0.1	31	0.3	31.3
AIDS	102	0.2	6	0.0	30	0.3	32.4
Other Infectious Diseases	13	0.0	2	0.0	1	0.0	23.1
Neoplasms	1,190	2.1	74	0.5	131	1.2	15.0
Endocrine, Nutritional and Metabolic Diseases	1,187	2.1	92	0.6	143	1.4	15.8
Diseases of the Blood and Blood Forming Organs	1,196	2.1	94	0.6	364	3.5	33.1
Sickle Cell Anemia	909	1.6	77	0.5	308	2.9	36.5
Other Diseases of the Blood and Blood Forming Organs	287	0.5	17	0.1	56	0.5	22.3
Mental Disorders	20,740	37.0	8,539	54.1	3,401	32.4	47.5
Developmental Speech or Language Disorder	7,138	12.7	4,948	31.3	1,481	14.1	74.3
Attention Deficit Disorders	4,800	8.6	1,602	10.1	793	7.6	40.9
Disturbance of Emotions Specific to Childhood and Adolescence	1,106	2.0	273	1.7	132	1.3	30.4
Other Mental Disorders	7,696	13.7	1,716	10.9	995	9.5	29.3
Diseases of the Nervous System and Sense Organs	5,111	9.1	1,544	9.8	1,502	14.3	41.0
Infantile Cerebral Palsy	1,271	2.3	733	4.6	837	8.0	79.5
Hearing Loss	3,217	5.7	664	4.2	491	4.7	26.9
Other Diseases of the Nervous System and Sense Organs	623	1.1	147	0.9	174	1.7	35.0
Diseases of the Circulatory System	318	0.6	30	0.2	31	0.3	16.0
Diseases of the Respiratory System	2,119	3.8	125	0.8	223	2.1	14.3
Asthma	2,111	3.8	124	0.8	222	2.1	14.3
Other Diseases of the Respiratory System	8	0.0	1	0.0	1	0.0	12.5
Diseases of the Digestive System	57	0.1	7	0.0	12	0.1	22.8
Diseases of the Genitourinary System	202	0.4	14	0.1	47	0.4	26.2
Diseases of the Skin and Subcutaneous Tissue	8	0.0	0	0.0	0	0.0	0.0
Diseases of the Musculoskeletal System and Connective Tissue	302	0.5	67	0.4	73	0.7	38.1
Congenital Anomalies	2,999	5.3	504	3.2	632	6.0	27.7
Conditions Originating in the Perinatal Period	73	0.1	0	0.0	0	0.0	0.0
Injury and Poisoning	111	0.2	4	0.0	7	0.1	8.1
Supplementary Classification	23	0.0	5	0.0	16	0.2	69.6
Multiple Diagnoses	6,973	12.4	2,818	17.9	2,304	22.0	54.1
OTHER SELECTION METHOD							
Inpatient Hospitalization	2,000	3.6	87	0.6	141	1.3	10.1
Provider Type	2,668	4.8	571	3.6	463	4.4	29.2
Category of Service	8,671	15.5	1,204	7.6	968	9.2	20.2
Total Number of Children	56,063	100.0	15,787	100.0	10,489	100.0	36.8

TABLE 17e. Number of Children Receiving Medicaid Services by Type of Selection and Type of Service: FY 1994

Type of Selection	Type of Service						
	Medicaid Services		Medicaid Services and Special Education		Medicaid Services and AABD		Percent of Medicaid Services Receiving Special Education or AABD
	N	%	N	%	N	%	%
ICD-9-CM DIAGNOSIS SELECTION							
Infectious Diseases	143	0.2	8	0.0	33	0.2	25.2
AIDS	127	0.1	8	0.0	31	0.2	26.8
Other Infectious Diseases	16	0.0	0	0.0	2	0.0	12.5
Neoplasms	1,377	1.6	49	0.2	139	0.8	12.1
Endocrine, Nutritional and Metabolic Diseases	1,769	2.0	71	0.3	169	1.0	11.4
Diseases of the Blood and Blood Forming Organs	1,512	1.7	82	0.3	396	2.3	28.2
Sickle Cell Anemia	1,127	1.3	65	0.2	344	2.0	32.4
Other Diseases of the Blood and Blood Forming Organs	385	0.4	17	0.1	52	0.3	15.8
Mental Disorders	37,984	43.3	16,234	61.8	7,282	41.9	49.0
Developmental Speech or Language Disorder	13,245	15.1	8,148	31.0	2,796	16.1	66.1
Attention Deficit Disorders	6,734	7.7	1,811	6.9	1,130	6.5	35.0
Disturbance of Emotions Specific to Childhood and Adolescence	7,952	9.1	4,199	16.0	2,088	12.0	59.7
Other Mental Disorders	10,053	11.5	2,076	7.9	1,268	7.3	27.3
Diseases of the Nervous System and Sense Organs	5,888	6.7	1,370	5.2	1,420	8.2	32.9
Infantile Cerebral Palsy	1,111	1.3	602	2.3	717	4.1	77.7
Hearing Loss	3,963	4.5	645	2.5	522	3.0	21.8
Other Diseases of the Nervous System and Sense Organs	814	0.9	123	0.5	181	1.0	25.9
Diseases of the Circulatory System	442	0.5	26	0.1	38	0.2	11.5
Diseases of the Respiratory System	2,576	2.9	107	0.4	298	1.7	14.2
Asthma	2,572	2.9	107	0.4	298	1.7	14.2
Other Diseases of the Respiratory System	4	0.0	0	0.0	0	0.0	0.0
Diseases of the Digestive System	83	0.1	5	0.0	8	0.0	13.3
Diseases of the Genitourinary System	255	0.3	17	0.1	37	0.2	18.0
Diseases of the Skin and Subcutaneous Tissue	7	0.0	0	0.0	1	0.0	14.3
Diseases of the Musculoskeletal System and Connective Tissue	329	0.4	61	0.2	74	0.4	33.1
Congenital Anomalies	3,734	4.3	392	1.5	665	3.8	21.4
Conditions Originating in the Perinatal Period	100	0.1	0	0.0	0	0.0	0.0
Injury and Poisoning	126	0.1	5	0.0	6	0.0	7.1
Supplementary Classification	19	0.0	4	0.0	11	0.1	68.4
Multiple Diagnoses	14,039	16.0	6,252	23.8	4,987	28.7	57.3
OTHER SELECTION METHOD							
Inpatient Hospitalization	2,869	3.3	65	0.2	232	1.3	9.4
Provider Type	4,087	4.7	579	2.2	516	3.0	20.7
Category of Service	10,425	11.9	937	3.6	1,065	6.1	15.8
Total Number of Children	87,764	100.0	26,264	100.0	17,377	100.0	38.3

**TABLE 18. Relative Odds of Being a Multi-Service User within a Fiscal Year: Cross Sections FY 1990-1994 by Program Type
(Estimates from Logit Models)**

Variable	Odds Ratios		
	AABD (model 1)	Special Education (model 2)	Medicaid Services (model 3)
Male	1.00	1.00	1.00
Female	0.80	1.13	0.75
White	1.00	1.00	1.00
African-American	0.70	3.39	1.21
Hispanic	0.85	1.99	1.03*
Other	0.20	1.79	0.95**
Age 1 and under	0.58	0.94*	0.15
Ages 2 and 3	0.54	1.44	0.44
Ages 4 and 5	0.77	1.23	0.75
Ages 6 and 7	1.00	1.00	1.00
Ages 8 and 9	1.15	0.88	1.27
Ages 10 and 11	1.16	0.80	1.42
Ages 12 and 13	1.10	0.78	1.37
Ages 14 and 15	0.93	0.81	1.22
Ages 16 to 18	0.69	0.81	1.30
FY 1990	1.00	1.00	1.00
FY 1991	1.73	0.78	1.89
FY 1992	1.93	1.05	1.68
FY 1993	0.96*	1.05	1.74
FY 1994	1.99	2.24	2.15
Severely Emotionally Disturbed		1.00	
Mentally Retarded		1.75	
Learning Disabled		0.34	
Physically Disabled		2.23	
Deaf and/or Blind		1.32	
Speech or Language Disorder		0.30	
Other Disability		1.62	

TABLE 18 (continued)			
Variable	Odds Ratios		
	AABD (model 1)	Special Education (model 2)	Medicaid Services (model 3)
1 or more Mental Disorder Diagnoses			1.27
1 or more Non-Mental Disorder Diagnoses			1.00
Combination of Mental and Non-Mental Diagnoses			2.72
Provider or Category of Service Selection			0.71
<p>NOTE: Baseline categories are indicated by a relative odds of 1.</p> <p>* Estimates are not statistically significant at the .01 level.</p> <p>** Estimates are not statistically significant at the .05 level.</p>			

TABLE 19. Relative Odds of Entering AABD within Three Years Given Medicaid Service Participation: Cross Sections FY 1990-1992 (Estimates from Logit Models)	
Variable	Odds Ratios
Male	1.00
Female	0.79
White	1.00
African-American	1.38
Hispanic	1.37
Other	1.07**
Age 1 and under	0.35
Ages 2 and 3	0.78
Ages 4 and 5	0.92
Ages 6 and 7	1.00
Ages 8 and 9	1.18
Ages 10 and 11	1.19
Ages 12 and 13	1.22
Ages 14 and 15	1.14
Ages 16 to 18	1.44
FY 1990	1.00
FY 1991	2.61
FY 1992	3.23
1 or more Mental Disorder Diagnoses	0.42
1 or more Non-Mental Disorder Diagnoses	1.00
Combination of Mental and Non-Mental Diagnoses	1.46
Provider or Category of Service Selection	0.59
NOTE: Baseline categories are indicated by a relative odds of 1.	
** Estimates are not statistically significant at the .05 level.	

APPENDIX A. ICD-9-CM CODES

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The use of ICD-9-CM codes to approximate eligibility for SSI and thus disability was developed from two sources: 1.) Input from the Medstat Group based on their ongoing research on the incidence of chronically and severely disabled children on Medicaid. 2.) An examination of the List of impairments for children published in Disability Evaluation Under Social Security by the Social Security Administration. Although the majority of the ICD-9-CM codes were captured in the list from the Medstat Group, staff at Chapin Hall added codes as identified in the listing of impairments for children.

Although the listing of impairments specifies conditions that map neatly to the ICD-9-CM codes, there was no way for us to approximate the functional criteria or level of severity that were also included in some sections in the instructions for determining disability. In some cases, this meant excluding a specified ICD-9-CM code because the code in and of itself would grossly exaggerate the number of disabled children. For example, hundreds of children had non-specific diagnostic codes for malignant neoplasms, such as malignant neoplasms of the bone NOS and soft tissues of the bone NOS. Without a measure of severity, we did not include the NOS diagnostic codes in our selection criteria. In many other cases, there were specific ICD-9-CM codes for the listed impairments, but these were insufficient to determine severity. For example impairment 101.08, chronic osteomyelitis with persistence, would be coded ICD-9-CM 730.1, chronic osteomyelitis. Under the disability determination criteria, this condition must be unresponsive to treatment for six months. In still other cases, service indicators were used to approximate the severity of a particular condition. For example, asthma without an idea of severity would be a poor indicator of disability. As suggested by the Medstat group's criteria, the presence of three or more emergency room visits or two or more hospitalizations in combination with a diagnosis of asthma was used to indicate disability.

The following table lists all of the ICD-9-CM codes that were used in our selection criterion as well as the corresponding category number used in the SSA listing of impairments for children. The ICD-9-CM codes that were not included in the Medstat Group's list are also indicated.

Listing of Social Security Administration Impairments and Corresponding ICD-9-CM Diagnosis Code (The listing of impairments is based the most recent version: September 1994)				
Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Musculoskeletal System	101.02	Juvenile rheumatoid arthritis	714.3	JUV CHRON POLYARTHRITIS*
	101.02	Juvenile rheumatoid arthritis	714.30	JUV RHEUM ARTHRITIS NOS
	101.02	Juvenile rheumatoid arthritis	714.31	POLYART JUV RHEUM ARTHR
	101.02	Juvenile rheumatoid arthritis	714.32	PAUCIART JUV RHEUM ARTHR
	101.02	Juvenile rheumatoid arthritis	714.33	MONOART JUV RHEUM ARTHR
	101.03	function	728.3	MUSCLE DISORDERS NEC
	101.03	function	732.1	JUV OSTEOCHONDROS PELVIS
	101.03	function	732.2	FEMORAL EPIPHYSIOLYSIS
	101.03	function	749.00	CLEFT PALATE NOS
	101.03	function	749.20	CLEFT PALATE & LIP NOS
	101.03	function	749.21	UNIL CLEFT PALAT/ LIP-COM
	101.03	function	749.22	UNIL CLEFT PALAT/ LIP-INC
	101.03	function	756.4	CHONDRODYSTROPHY
	101.03	function	756.51	OSTEOGENESIS IMPERFECTA
	101.03	function	756.7	ABDOMINAL WALL ANOMALIES
	101.03	function	897.6	AMULTATION LEG BILAT
	101.03	function	897.7	AMPUTAT LEG BILAT-COMPL
	101.05	Disorders of the spine	806.	VERTEBRAL FX W CORD INJ* *
	101.05	Disorders of the spine	806.0	CLOS CERV FX W CORD INJ* *
	101.05	Disorders of the spine	806.00	C1-C4 FX-CL/ CORD INJ NOS *
	101.05	Disorders of the spine	806.01	C1-C4 FX-CL/ COM CORD LES *
	101.05	Disorders of the spine	806.02	C1-C4 FX-CL/ ANT CORD SYN *
	101.05	Disorders of the spine	806.03	C1-C4 FX-CL/ CEN CORD SYN *
	101.05	Disorders of the spine	806.04	C1-C4 FX-CL/ CORD INJ NEC *
	101.05	Disorders of the spine	806.05	C5-C7 FX-CL/ CORD INJ NOS *
	101.05	Disorders of the spine	806.06	C5-C7 FX-CL/ CORD LES *
	101.05	Disorders of the spine	806.08	C5-C7 FX-CL/ CEN CORD SYN *
	101.05	Disorders of the spine	806.09	C5-C7 FX-CL/ CORD INJ NEC *
	101.05	Disorders of the spine	806.1	OPEN CERV FX W CORD INJ* *
	101.05	Disorders of the spine	806.10	C1-C4 FX-OP/ CORD INJ NOS *
	101.05	Disorders of the spine	806.11	C1-C4 FX-OP/ COM CORD LES *
	101.05	Disorders of the spine	806.15	C5-C7 FX-OP/ CORD INJ NOS *
101.05	Disorders of the spine	806.16	C5-C7 FX-OP/ COM CORD LES *	
101.05	Disorders of the spine	806.2	CL DORSAL FX W CORD INJ* *	
101.05	Disorders of the spine	806.20	T1-T6 FX-CL/ CORD INJ NOS *	
101.05	Disorders of the spine	806.21	T1-T6 FX-CL/ COM CORD LES *	
101.05	Disorders of the spine	806.24	T1-T6 FX-CL/ CORD INJ NEC *	

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Musculoskeletal System (continued)	101.05	Disorders of the spine	806.25	T7-T12 FX-CL/ CRD INJ NOS *
	101.05	Disorders of the spine	806.26	T7-T12 FX-CL/ COM CRD LES *
	101.05	Disorders of the spine	806.28	T7-T12 FX-CL/ CEN CRD SYN *
	101.05	Disorders of the spine	806.29	T7-T12 FX-CL/ CRD INJ NEC *
	101.05	Disorders of the spine	806.3	OPN DORSAL FX W CORD INJ *
	101.05	Disorders of the spine	806.30	T1-T6 FX-OP/ CORD INJ NOS *
	101.05	Disorders of the spine	806.31	T1-T6 FX-OP/ COM CORD LES *
	101.05	Disorders of the spine	806.34	T1-T6 FX-OP/ CORD INJ NEC *
	101.05	Disorders of the spine	806.35	T7-T12 FX-OP/ CRD INJ NOS *
	101.05	Disorders of the spine	806.36	T7-T12 FX-OP/ COM CRD LES *
	101.05	Disorders of the spine	806.39	T7-T12 FX-OP/ CRD INJ NEC *
	101.05	Disorders of the spine	806.4	CL LUMBAR FX W CORD INJ *
	101.05	Disorders of the spine	806.5	OPN LUMBAR FX W CORD INJ *
	101.05	Disorders of the spine	806.6	FX SACRUM-CL W CORD INJ*
	101.05	Disorders of the spine	806.60	FX SACRUM-CL/ CRD INJ NOS
	101.05	Disorders of the spine	806.62	FX SACR-CL/ CAUDA INJ NEC
	101.05	Disorders of the spine	806.70	FX SACRUM-OP/ CRD INJ NOS
	101.05	Disorders of the spine	806.8	VERT FX NOS-CL W CRD INJ
	101.05	Disorders of the spine	806.9	VERT FX NOS-OP W CRD INJ
Special Senses and Speech	102.02	Impairments of central visual acuity	369.	BLINDNESS AND LOW VISION
	102.02	Impairments of central visual acuity	369.0	PROFOUND BLIND BOTH EYES
	102.02	Impairments of central visual acuity	369.00	BOTH EYES BLIND-WHO DEF
	102.02	Impairments of central visual acuity	369.01	TOT IMPAIRMENT-BOTH EYES
	102.02	Impairments of central visual acuity	369.02	ONE EYE-NEAR TOT/OTH-NOS
	102.02	Impairments of central visual acuity	369.03	ONE EYE-NEAR TOT/OTH-TOT
	102.02	Impairments of central visual acuity	369.04	NEAR-TOT IMPAIR-BOTH EYE
	102.02	Impairments of central visual acuity	369.08	PROFOUND IMPAIR BOTH EYE
	102.02	Impairments of central visual acuity	369.1	MOD/ SEV W PROFND IMPAIR*
	102.02	Impairments of central visual acuity	369.10	BLINDNESS/ LOW VISION
	102.02	Impairments of central visual acuity	369.11	1 EYE-SEV/ OTH-BLIND NOS
	102.02	Impairments of central visual acuity	369.12	ONE EYE-SEVERE/ OTH-TOTAL
	102.02	Impairments of central visual acuity	369.14	ONE EYE-SEV/ OTH-PRFND
	102.02	Impairments of central visual acuity	369.15	ONE EYE-MOD/ OTH-BLIND
	102.02	Impairments of central visual acuity	369.2	MOD/ SEV IMPAIR-BOTH EYES
	102.02	Impairments of central visual acuity	369.20	LOW VISION 2 EYES NOS
	102.02	Impairments of central visual acuity	369.21	ONE EYE-SEVERE/ OTH-NOS
	102.02	Impairments of central visual acuity	369.23	ONE EYE-MODERATE/ OTH-NOS
	102.02	Impairments of central visual acuity	369.25	MODERATE IMPAIR-BOTH EYE

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Special Senses and Speech (<i>continued</i>)	102.02	Impairments of central visual acuity	369.3	BLINDNESS NOS BOTH EYES
	102.02	Impairments of central visual acuity	369.4	LEGAL BLINDNESS-USA DEF
	102.02	Impairments of central visual acuity	369.6	PROFOUND IMPAIR-ONE EYE*
	102.02	Impairments of central visual acuity	369.60	BLINDNESS ONE EYE
	102.02	Impairments of central visual acuity	369.61	ONE EYE-TOTAL/ OTH-UNKNWN
	102.02	Impairments of central visual acuity	369.63	ONE EYE-TOTAL/ OTH-NORMAL
	102.02	Impairments of central visual acuity	369.64	ONE EYE-NEAR TOT/ OTH-NOS
	102.02	Impairments of central visual acuity	369.66	NEAR-TOTAL IMPAIR/ NORMAL
	102.02	Impairments of central visual acuity	369.67	ONE EYE-PRFOUND/ OTH-UNKN
	102.02	Impairments of central visual acuity	369.69	PROFOUND IMPAIR/ NORMAL
	102.02	Impairments of central visual acuity	369.7	MOD/ SEVERE IMPAIR 1 EYE
	102.02	Impairments of central visual acuity	369.70	LOW VISION ONE EYE
	102.02	Impairments of central visual acuity	369.71	ONE EYE-SEVERE/ OTH-UNKNW
	102.02	Impairments of central visual acuity	369.74	ONE EYE-MOD/ OTHER-UNKNWN
	102.02	Impairments of central visual acuity	369.75	ONE EYE-MOD/ OTH-NR NORM
	102.02	Impairments of central visual acuity	369.76	ONE EYE-MOD/ OTH NORMAL
	102.02	Impairments of central visual acuity	369.8	VISUAL LOSS ONE EYE NOS
	102.02	Impairments of central visual acuity	369.9	VISUAL LOSS NOS
	102.08	Hearing impairments	389.	HEARING LOSS*
	102.08	Hearing impairments	389.0	CONDUCTIVE HEARING LOSS*
	102.08	Hearing impairments	389.00	CONDUCT HEARING LOSS NOS
	102.08	Hearing impairments	389.01	CONDUCT HEAR LOSS EXT EAR
	102.08	Hearing impairments	389.02	CONDUCT HEAR LOSS TYMPAN
	102.08	Hearing impairments	389.03	CONDUC HEAR LOSS MID EAR
	102.08	Hearing impairments	389.04	COND HEAR LOSS INNER EAR
	102.08	Hearing impairments	389.08	COND HEAR LOSS COMB TYPE
	102.08	Hearing impairments	389.1	SENSORINEURAL HEAR LOSS*
	102.08	Hearing impairments	389.10	SENSORNEUR HEAR LOSS NOS
	102.08	Hearing impairments	389.11	SENSORY HEARING LOSS
	102.08	Hearing impairments	389.12	NEURAL HEARING LOSS
	102.08	Hearing impairments	389.14	CENTRAL HEARING LOSS
	102.08	Hearing impairments	389.18	SENSORNEUR LOSS COMB TYP
	102.08	Hearing impairments	389.2	MIXED HEARING LOSS
	102.08	Hearing impairments	389.7	DEAF MUTISM NEC
	102.08	Hearing impairments	389.8	HEARING LOSS NEC
	102.08	Hearing impairments	389.9	HEARING LOSS NOS

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Respiratory System	103.00	Respiratory System	135.	SARCOIDOSIS
	103.02	Chronic pulmonary insufficiency	491.2	OBSTRUCT CHR BRONCHITIS*
	103.02	Chronic pulmonary insufficiency	491.20	OBS CHR BRNC W/O ACT EXA
	103.02	Chronic pulmonary insufficiency	491.21	OBS CHR BRNC W ACT EXA
	103.03	Asthma	493.	ASTHMA*
	103.03	Asthma	493.0	EXTRINSIX ASTHMA*
	103.03	Asthma	493.00	EXT ASTHMA W/O STAT ASTH
	103.03	Asthma	493.01	EXT ASTHMA W STATUS ASTH
	103.03	Asthma	493.1	INTRINSIC ASTHMA*
	103.03	Asthma	493.10	INT ASTHMA W/O STAT ASTH
	103.03	Asthma	493.11	INT ASTHMA W STATUS ASTH
	103.03	Asthma	493.2	CHR OBS ASTHMA W/COPD
	103.03	Asthma	493.20	CH OB ASTH W/O STAT ASTH
	103.03	Asthma	493.21	CH OB ASTHMA W STAT ASTH
	103.03	Asthma	493.9	ASTHMA NOS*
	103.03	Asthma	493.90	ASTHMA W/O STATUS ASTHM
	103.03	Asthma	493.91	ASTHMA W STATUS ASTHMAT
	103.04	Cystic fibrosis	277.0	CYSTIC FIBROSIS*
103.04	Cystic fibrosis	277.00	CYSTIC FIBROS W/O ILEUS	
103.04	Cystic fibrosis	277.01	CYSTIC FIBROSIS W ILEUS	
Cardiovasulare System	104.02	Chronic heart failure	428.	HEART FAILURE* *
	104.02	Chronic heart failure	428.0	CONGESTIVE HEART FAILURE *
	104.02	Chronic heart failure	428.1	LEFT HEART FAILURE *
	104.02	Chronic heart failure	428.9	HEART FAILURE NOS *
	104.03	Hypertensive cardiovascular disease	401.0	MALIGNANT HYPERTENSION *
	104.06	Congenital heart disease	745.0	COMMON TRUNCUS
	104.06	Congenital heart disease	745.1	TRANSPOS OF GREAT VESSEL
	104.06	Congenital heart disease	745.10	COMPL TRANSPOS GREAT VES
	104.06	Congenital heart disease	745.11	DOUBLE OUTLET RT VENTRIC
	104.06	Congenital heart disease	745.12	CORRECT TRANSPO GRT VES
	104.06	Congenital heart disease	745.19	TRANSPOS GREAT VESS NEC
	104.06	Congenital heart disease	745.2	TETRALOGY OF FALLOT
	104.06	Congenital heart disease	745.3	COMMON VENTRICLE
	104.06	Congenital heart disease	745.4	VENTRICULAR SEPT DEFECT
	104.06	Congenital heart disease	745.5	SECUNDUM ATRIAL SEPT DUF
	104.06	Congenital heart disease	745.60	ENDOCARD CUSHION DEF NOS
	104.06	Congenital heart disease	745.61	OSTIUM PRIMUM DEFECT
	104.06	Congenital heart disease	746.00	PULMONARY VALVE ANOM NOS
104.06	Congenital heart disease	746.01	CONG PULMON VALV ATRESIA	

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Cardiovasulare System (continued)	104.06	Congenital heart disease	746.02	CONG PULMON VALVE STENOS
	104.06	Congenital heart disease	746.1	CONG TRICUSP ATRES/ STEN
	104.06	Congenital heart disease	746.2	EBSTEIN'S ANOMALY
	104.06	Congenital heart disease	746.3	CONG AORTA VALV STENOSIS
	104.06	Congenital heart disease	746.4	CONG AORTA VALV INSUFFIC
	104.06	Congenital heart disease	746.5	CONGEN MITRAL STENOSIS
	104.06	Congenital heart disease	746.6	CONG MITRAL INSUFFICIENC
	104.06	Congenital heart disease	746.7	HYOPLAS LEFT HEART SYND
	104.06	Congenital heart disease	746.81	CONG SUBAORTIC STENOSIS
	104.06	Congenital heart disease	746.83	INFUNDIB PULMON STENOSIS
	104.06	Congenital heart disease	747.0	PATENT DUCTUS ARTERIOSUS
	104.06	Congenital heart disease	747.10	COARCTATION OF AORTA
	104.06	Congenital heart disease	747.21	ANOMALIES OF AORTIC ARCH
	104.06	Congenital heart disease	747.3	PULMONARY ARTERY ANOM
	104.06	Congenital heart disease	747.41	TOT ANOM PULM VEN CONNEC
	104.06	Congenital heart disease	747.42	PART ANOM PULM VEN CONN
	104.07	Valvular heart disease or other stenotic defects, or valvulare regurgitation	424.1	AORTIC VALVE DISORDER
	104.07	Valvular heart disease or other stenotic defects, or valvulare regurgitation	424.3	PULMONARY VALUE DISORDER
	104.08	Cardiomyopathies	425.1	HYPERTR OBSTR CARDIOMYOP
	104.08	Cardiomyopathies	425.3	ENDOCARD FIBROELASTOSIS
	104.09	Cardiac transplantation	V42.1	HEART TRANSPLANT STATUS *
	104.13	Chronic rheumatic fever or rheumatic heart disease	398.90	RHEUMATIC HEART DIS NOS
	104.14	Hyperlipidemia	272.0	PURE HYPERCHOLESTEROLEM
	104.15	Kawasaki syndrome	446.1	MUCOCUTAN LYMPH NODE SYN
Digestive System	105.00	Digestive System	577.1	CHONRIC PANCREATITIS
	105.00	Digestive System	579.0	CELIAC DISEASE
	105.03	Esphogeal obstruction-caused by atresia, stricture, or stenosis	530.3	ESOPHAGEAL STRICTURE *
	105.03	Esphogeal obstruction-caused by atresia, stricture, or stenosis	750.3	CONG ESOPH FISTULA/ ATRES
	105.05	Chronic liver disease	571.	CHR LIVER DIS/ CIRRHOSIS*
	105.05	Chronic liver disease	571.4	CHRONIC HEPATITIS*

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Digestive System (continued)	105.05	Chronic liver disease	571.40	CHRONIC HEPATITIS NOS
	105.05	Chronic liver disease	571.41	CHR PERSISTENT HEPATITIS
	105.05	Chronic liver disease	571.49	CHRONIC HEPATITIS NEC
	105.05	Chronic liver disease	571.6	BILIARY CIRRHOSIS
	105.05	Chronic liver disease	572.2	HEPATIC COMA
Genito-Urinary System	106.02	Chronic renal disease	580.4	AC RAPIDLY PROGR NEPHRIT
	106.02	Chronic renal disease	582.0	CHR PROLIFERAT NEPHRITIS
	106.02	Chronic renal disease	582.1	CHR MEMBRANOUS NEPHRITIS
	106.02	Chronic renal disease	582.2	CHR MEMBRANOPROLIF NEPHR
	106.02	Chronic renal disease	582.4	CHR RAPID PROGR NEPHRIT
	106.02	Chronic renal disease	582.9	CHRONIC NEPHRITIS NOS
	106.02	Chronic renal disease	583.0	PROLIFERAT NEPHRITIS NOS
	106.02	Chronic renal disease	583.1	MEMBRANOUS NEPHRITIS NOS
	106.02	Chronic renal disease	583.2	MEMBRANOPROLIF NEPHR NOS
	106.02	Chronic renal disease	583.4	RAPIDLY PROG NEPHRIT NOS
	106.02	Chronic renal disease	583.8	NEPHRITIS NOS W OTH LES*
	106.02	Chronic renal disease	583.81	NEPHRITIS NOS IN OTH DIS
	106.02	Chronic renal disease	583.89	NEPHRITIS NEC
	106.02	Chronic renal disease	583.9	NEPHRITIS NOS
	106.02	Chronic renal disease	585	CHRONIC RENAL FAILURE
	106.02	Chronic renal disease	586	RENAL FAILURE NOS
	106.02	Chronic renal disease	V42.0	KIDNEY TRANSPLANT STATUS *
	106.02	Chronic renal disease	V45.1	RENAL DIALYSIS STATUS *
	106.06	Nephrotic syndrome with edema	581.0	NEPHROTIC SYN PROLIFER
	106.06	Nephrotic syndrome with edema	581.1	EPIMEMBRANOUS NEPHRITIS
	106.06	Nephrotic syndrome with edema	581.2	MEMBRANOPROLIF NEPHROSIS
	106.06	Nephrotic syndrome with edema	581.3	MINIMAL CHANGE NEPHROSIS
	106.06	Nephrotic syndrome with edema	581.9	NEPHROTIC SYNDROME NOS
Hemic and Lymphatic System	107.00	Hemic and Lymphatic System	237.7	NEUROFIBROMATOSIS*
	107.00	Hemic and Lymphatic System	284.0	CONGEN APLASTIC ANEMIA
	107.00	Hemic and Lymphatic System	284.8	APLASTIC ANEMIAS NEC
	107.00	Hemic and Lymphatic System	284.9	APLASTIC ANEMIA NOS
	107.03	Hemolytic anemia (due to any cause)	282.0	HEREDITARY SPHEROCYTOSIS
	107.03	Hemolytic anemia (due to any cause)	282.3	ENZYME DEFIC ANEMIA NEC
	107.03	Hemolytic anemia (due to any cause)	282.6	SICKLE-CELL ANEMIA*
	107.03	Hemolytic anemia (due to any cause)	282.60	SICKLE-CELL ANEMIA NOS
	107.03	Hemolytic anemia (due to any cause)	282.61	HB-S DISEASE W/O CRISIS
	107.03	Hemolytic anemia (due to any cause)	282.62	HB-S DISEASE WITH CRISIS
	107.03	Hemolytic anemia (due to any cause)	282.63	SICKLE-CELL/ HB-C DISEASE
	107.03	Hemolytic anemia (due to any cause)	282.69	SICKLE-CELL ANEMIA NEC

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Hemic and Lymphatic System (continued)	107.03	Hemolytic anemia (due to any cause)	282.7	HEMOGLOBINOPATHIES NEC
	107.03	Hemolytic anemia (due to any cause)	283.0	AUTOIMMUN HEMOLYTIC ANEM
	107.03	Hemolytic anemia (due to any cause)	283.1	NONAUTOIMMU HEMOLYT ANEM
	107.03	Hemolytic anemia (due to any cause)	283.10	NONAUTO HEM ANEMIA NOS
	107.03	Hemolytic anemia (due to any cause)	283.11	HEMOLYTIC UREMIC SYND
	107.05	Sickle cell disease	282.4	THALASSEMIAS
	107.08	Inherited coagulation disorder	286.0	CONG FACTOR VIII DIORD
	107.08	Inherited coagulation disorder	286.1	CONG FACTOR IX DISORDER
	107.08	Inherited coagulation disorder	286.2	CONG FACTOR XI DISORDER
	107.08	Inherited coagulation disorder	286.4	VON WILLEBRAND'S DISEASE
	107.11	Acute leukemia	204.0	ACUTE LYMPHOID LEUKEMIA*
	107.11	Acute leukemia	204.00	ACT LYM LEUK W/O RMSION
	107.11	Acute leukemia	204.01	ACT LYM LEUK W RMSION
	107.11	Acute leukemia	205.0	ACUTE MYELOID LEUKEMIA*
	107.11	Acute leukemia	205.00	ACT MYL LEUK W/O RMSION
	107.11	Acute leukemia	205.01	ACT MYL LEUK W RMSION
	107.11	Acute leukemia	206.0	ACUTE MONOCYTIC LEUKEMIA
	107.11	Acute leukemia	206.00	ACT MONO LEUK W/O RMSION
	107.11	Acute leukemia	207.0	ACUTE ERYTHREMIA*
	107.11	Acute leukemia	207.00	ACT ERTH/ ERYLK W/O RMSION
	107.11	Acute leukemia	208.0	ACT LEUK UNS CL W/O RMSN *
	107.11	Acute leukemia	208.00	ACT LEUK UNS CL W/O RMSN *
	107.11	Acute leukemia	208.01	ACT LEUK UNS CL W RMSN *
	Endocrine System	109.00	Endocrine System	245.2
109.00		Endocrine System	253.2	PANHYPOPITUITARISM
109.02		Thyroid Disorders	242.0	TOXIC DIFFUSE GOITER*
109.02		Thyroid Disorders	242.00	TOX DIF GOITER NO CRISIS
109.02		Thyroid Disorders	242.01	TOX DIF GOITER W CRISIS
109.02		Thyroid Disorders	243.	CONGENITAL HYPOTHYROIDISM *
109.05		Diabetes insipidus	253.5	DIABETES INSIPIDUS
109.05		Diabetes insipidus	588.1	NEPHROGEN DIABETES INSIP
109.08		Juvenile diabetes mellitus	250.13	DMI KETOACD UNCONTROLD *
109.08		Juvenile diabetes mellitus	250.33	DMI OTH COMA UNCONTROLD *
109.10		Pituitary dwarfism	253.3	PITUITARY DWARFISM
109.11	Adrenogenital syndrome	255.2	ADRENOGENITAL DISORDERS	
109.13	Gonadal dysgenesis (Turners Syndrome)	758.6	GONADAL DYSGENESIS	
Multiple Body Systems	110.06	Down syndrome (excluding mosaic Down syndrome)	758.0	DOWN'S SYNDROME
	110.07	Multiple body dysfunction	268.0	RICKETS ACTIVE
	110.07	Multiple body dysfunction	268.1	RICKETS LATE EFFECT

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Multiple Body Systems (continued)	110.07	Multiple body dysfunction	270.0	AMINO-ACID TRANSPORT DIS
	110.07	Multiple body dysfunction	270.1	PHENYLKETONURIA-PKU
	110.07	Multiple body dysfunction	270.2	AROM AMIN-ACID METAB NEC
	110.07	Multiple body dysfunction	270.3	BRAN-CHAIN AMIN-ACID DIS
	110.07	Multiple body dysfunction	270.4	SULPH AMINO-ACID MET DIS
	110.07	Multiple body dysfunction	270.5	DIS HISTIDINE METABOLISM
	110.07	Multiple body dysfunction	270.6	DIS UREA CYCLE METABOL
	110.07	Multiple body dysfunction	270.7	STRAIG AMIN-ACID MET NEC
	110.07	Multiple body dysfunction	270.8	DIS AMINO-ACID METAB NEC
	110.07	Multiple body dysfunction	271.0	CLYCOGENOSIS
	110.07	Multiple body dysfunction	271.1	GALACTOSEMIA
	110.07	Multiple body dysfunction	271.3	DISACCHARIDASE DEF/ MALAB
	110.07	Multiple body dysfunction	271.8	DIS CARBOHYDR METAB NEC
	110.07	Multiple body dysfunction	272.5	LIPOPROTEIN DEFICIENCIES
	110.07	Multiple body dysfunction	272.6	LIPODYSTROPHY
	110.07	Multiple body dysfunction	272.7	LIPIDOSES
	110.07	Multiple body dysfunction	275.0	DIS IRON METABOLISM
	110.07	Multiple body dysfunction	275.1	DIS COPPER METABOLISM
	110.07	Multiple body dysfunction	277.4	DIS BILIRUBIN EXCRETION
	110.07	Multiple body dysfunction	277.5	MUCOPOLYSACCHARIDOSIS
	110.07	Multiple body dysfunction	277.6	DEFIC CIRCUL ENZYME NEC
	110.07	Multiple body dysfunction	277.8	METABOLISM DISORDER NEC
	110.07	Multiple body dysfunction	742.0	ENCEPHALOCELE
	110.07	Multiple body dysfunction	742.1	MICROCEPHALUS
	110.07	Multiple body dysfunction	742.3	CONGENITAL HYDROCEPHALUS
	110.07	Multiple body dysfunction	742.4	BRAIN ANOMALY NEC
	110.07	Multiple body dysfunction	742.8	NERVOUS SYSTEM ANOM NEC
	110.07	Multiple body dysfunction	758.7	KLINFELTER'S SYNDROME
	110.07	Multiple body dysfunction	758.8	SEX CHROMOSOME ANOM NEC
	110.07	Multiple body dysfunction	759.3	SITUS INVERSUS
	110.07	Multiple body dysfunction	759.5	TUBEROUS SCLEROSIS
	110.07	Multiple body dysfunction	759.6	HAMARTOSES NEC

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Multiple Body Systems (continued)	110.07	Multiple body dysfunction	759.7	MULT CONGEN ANOMAL NEC
	110.07	Multiple body dysfunction	759.81	PRADER-WILLI SYNDROME
	110.07	Multiple body dysfunction	759.82	MARFAN SYNDROME
	110.07	Multiple body dysfunction	759.89	SPECIFIED CONG ANOMAL NEC
	110.07	Multiple body dysfunction	771.0	CONGENITAL RUBELLA
	110.08	Catastrophic congenital abnormalities or disease	330.0	LEUKODYSTROPHY
	110.08	Catastrophic congenital abnormalities or disease	330.1	CEREBRAL LIPIDOSES
	110.08	Catastrophic congenital abnormalities or disease	330.2	CEREB DEGEN IN LIPIDOSIS
	110.08	Catastrophic congenital abnormalities or disease	330.3	CEREB DEG CHLD IN OTH DIS
	110.08	Catastrophic congenital abnormalities or disease	330.8	CEREB DEGEN IN CHILD NEC
	110.08	Catastrophic congenital abnormalities or disease	331.81	REYE'S SYNDROME
	110.08	Catastrophic congenital abnormalities or disease	740.0	ANENCEPHALUS
	110.08	Catastrophic congenital abnormalities or disease	758.1	PATAU'S SYNDROME *
	110.08	Catastrophic congenital abnormalities or disease	758.2	EDWARD'S SYNDROME *
	110.08	Catastrophic congenital abnormalities or disease	758.3	AUTOSOMAL DELETION SYND *
	Neurological	111.00	Neurological	348.3
111.02		Major motor seizures	345.1	GEN CONVULSIVE EPILEPSY*
111.02		Major motor seizures	345.10	GEN CNV EPIL W/O INTR EP
111.02		Major motor seizures	345.11	GEN CNV EPI W/INT EP
111.02		Major motor seizures	345.11	GEN CNV EPIL W INTR EPIL
111.02		Major motor seizures	345.3	GRAND MAL STATUS
111.03		Minor motor seizures	345.	EPILEPSY*
111.03		Minor motor seizures	345.0	GEN NONCONVULS EPILEPSY*
111.03		Minor motor seizures	345.00	GEN NONCV EP W/O INTR EP
111.03		Minor motor seizures	345.01	GEN NONCONV EP W INTR EP
111.03		Minor motor seizures	345.2	PETIT MAL STATUS
111.03		Minor motor seizures	345.4	PSYCHOMOTOR EPILEPSY*
111.03		Minor motor seizures	345.40	PSYMOTR EPIL W/O INT EPI

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Neurological (continued)	111.03	Minor motor seizures	345.41	PSYMOETR EPIL W INTR EPIL
	111.03	Minor motor seizures	345.5	PARTIAL EPILEPSY NEC*
	111.03	Minor motor seizures	345.50	PART EPIL W/O INTR EPIL
	111.03	Minor motor seizures	345.51	PART EPI W/INT EP
	111.03	Minor motor seizures	345.51	PART EPIL W INTR EPIL
	111.03	Minor motor seizures	345.6	INFANTILE SPASMS*
	111.03	Minor motor seizures	345.60	INF SPASM W/O INTR EPIL
	111.03	Minor motor seizures	345.7	EPILEPS PARTIAL CONTINUA
	111.03	Minor motor seizures	345.70	EPIL PAR CONT W/O INT EP
	111.03	Minor motor seizures	345.71	EPIL PAR CONT W INTR EPI
	111.03	Minor motor seizures	345.8	EPILEPSY NEC*
	111.03	Minor motor seizures	345.80	EPILEP NEC W/O INTR EPIL
	111.03	Minor motor seizures	345.81	EPILEPSY NEC W INTR EPIL
	111.03	Minor motor seizures	345.9	EPILEPSY NOS*
	111.03	Minor motor seizures	345.90	EPILEP NOS W/O INTR EPIL
	111.03	Minor motor seizures	345.91	EPILEPSY NOS W INTR EPIL
	111.05	Brain tumors	191.0	MALIGN NEOPL CEREBRUM
	111.05	Brain tumors	191.5	MAL NEO CEREB VENTRICLE
	111.05	Brain tumors	191.6	MAL NEO CEREBELLUM NOS
	111.05	Brain tumors	191.7	MAL NEO BRAIN STEM
	111.05	Brain tumors	191.9	MALIG NEO BRAIN NOS *
	111.06	Motor dysfunction (due to any neurological disorder)	045.	ACUTE POLIOMYELITIS*
	111.06	Motor dysfunction (due to any neurological disorder)	045.0	ACUTE BULBAR POLIO*
	111.06	Motor dysfunction (due to any neurological disorder)	045.00	AC BULBAR POLIO-TYPE NOS
	111.06	Motor dysfunction (due to any neurological disorder)	045.1	AC PARALYTIC POLIO NEC*
	111.06	Motor dysfunction (due to any neurological disorder)	045.10	PARAL POLIO NEC-TYPE NOS
	111.06	Motor dysfunction (due to any neurological disorder)	045.2	ACUTE NONPARALYTIC POLIO
	111.06	Motor dysfunction (due to any neurological disorder)	045.9	ACUTE POLIOMYELITIS NOS*
	111.06	Motor dysfunction (due to any neurological disorder)	045.90	AC POLIO NOS-TYPE NOS
	111.06	Motor dysfunction (due to any neurological disorder)	341.0	NEUROMYELITIS OPTICA
	111.06	Motor dysfunction (due to any neurological disorder)	341.1	SCHILDERS DISEASE
	111.06	Motor dysfunction (due to any neurological disorder)	344.0	QUADRIPLEGIA NOS*
	111.06	Motor dysfunction (due to any neurological disorder)	359.1	HERED PROG MUSC DYSTPHY
	111.07	Cerebral palsy	343.	INFANTILE CEREBRAL PALSY
	111.07	Cerebral palsy	343.0	CONGENITAL DIPLEGIA
	111.07	Cerebral palsy	343.1	CONGENITAL HEMIPLEGIA
	111.07	Cerebral palsy	343.2	CONGENITAL QUADRIPLEGIA
	111.07	Cerebral palsy	343.3	CONGENITAL MONOPLEGIA
	111.07	Cerebral palsy	343.4	INFANTILE HEMIPLEGIA
	111.07	Cerebral palsy	343.8	CEREBRAL PALSY NEC
111.07	Cerebral palsy	343.9	CEREBRAL PALSY NOS *	

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Neurological (continued)	111.08	Meningomyelocele (and related disorders)	741.0	SPINA BIF W HYDROCEPHAL*
	111.08	Meningomyelocele (and related disorders)	741.00	SPIN BIF W HYDROCEPH NOS
	111.08	Meningomyelocele (and related disorders)	741.01	SPIN BIF W HYDRCEPH-CERV
	111.08	Meningomyelocele (and related disorders)	741.02	SPIN BIF W HYDRCEPH-DORS
	111.08	Meningomyelocele (and related disorders)	741.03	SPIN BIF W HYDRCEPH-LUMB
	111.08	Meningomyelocele (and related disorders)	741.9	SPINA BIFIDA*
	111.08	Meningomyelocele (and related disorders)	741.90	SPINA BIFIDA
	111.08	Meningomyelocele (and related disorders)	741.91	SPINA BIFIDA-CERV
	111.08	Meningomyelocele (and related disorders)	741.92	SPINA BIFIDA-DORSAL
	111.08	Meningomyelocele (and related disorders)	741.93	SPINA BIFIDA-LUMBAR
Mental Disorders	112.00	Mental Disorders	300.	NEUROTIC DISORDERS*
	112.00	Mental Disorders	300.0	ANXIETY STATES*
	112.00	Mental Disorders	300.00	ANXIETY STATE NOS
	112.00	Mental Disorders	300.01	PANIC DISORDER
	112.00	Mental Disorders	300.02	GENERALIZED ANXIETY DIS
	112.00	Mental Disorders	300.09	ANXIETY STATE NEC
	112.00	Mental Disorders	300.1	HYSTERIA*
	112.00	Mental Disorders	300.10	HYSTERIA NOS
	112.00	Mental Disorders	300.11	CONVERSION DISORDER
	112.00	Mental Disorders	300.12	PSYCHOGENIC AMNESIA
	112.00	Mental Disorders	300.13	PSYCHOGENIC FUGUE
	112.00	Mental Disorders	300.14	MULTIPLE PERSONALITY
	112.00	Mental Disorders	300.15	DISSOCIATIVE REACT NOS
	112.00	Mental Disorders	300.16	FACTITIOUS ILL W SYMPTOM
	112.00	Mental Disorders	300.19	FACTITIOUS ILL NEC/NOS
	112.00	Mental Disorders	300.2	PHOBIC DISORDERS*
	112.00	Mental Disorders	300.20	PHOBIA NOS
	112.00	Mental Disorders	300.21	AGORAPHOBIA WITH PANIC
	112.00	Mental Disorders	300.22	AGORAPHOBIA W/O PANIC
	112.00	Mental Disorders	300.23	SOCIAL PHOBIA
	112.00	Mental Disorders	300.29	ISOLATED PHOBIAS NEC
	112.00	Mental Disorders	300.3	OBSESSIVE-COMPULSIVE DIS
	112.00	Mental Disorders	300.4	NEUROTIC DEPRESSION
	112.00	Mental Disorders	300.5	NEURASTHENIA
	112.00	Mental Disorders	300.6	DEPERSONALIZATION SYND
	112.00	Mental Disorders	300.7	HYPOCHONDRIASIS
	112.00	Mental Disorders	300.8	NEUROTIC DISORDERS NEC*
	112.00	Mental Disorders	300.81	SOMATIZATION DISORDER
	112.00	Mental Disorders	300.89	NEUROTIC DISORDERS NEC
	112.00	Mental Disorders	300.9	NEUROTIC DISORDER NOS
	112.00	Mental Disorders	309.	ADJUSTMENT REACTION*
	112.00	Mental Disorders	309.0	BRIEF DEPRESSIVE REACT

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Mental Disorders (continued)	112.00	Mental Disorders	309.1	PROLONG DEPRESSIVE REACT
	112.00	Mental Disorders	309.2	ADJUST REACT/OTH EMOTION
	112.00	Mental Disorders	309.21	SEPARATION ANXIETY
	112.00	Mental Disorders	309.22	EMANCIPATION DISORDER
	112.00	Mental Disorders	309.23	ACADEMIC/WORK INHIBITION
	112.00	Mental Disorders	309.24	ADJ REACT-ANXIOUS MOOD
	112.00	Mental Disorders	309.28	ADJ REACT-MIXED EMOTION
	112.00	Mental Disorders	309.29	ADJ REACT-EMOTION NEC
	112.00	Mental Disorders	309.3	ADJUST REACT-CONDUCT DIS
	112.00	Mental Disorders	309.4	ADJ REACT-EMOTION/ CONDUCT
	112.00	Mental Disorders	309.8	OTHER ADJUST REACTION*
	112.00	Mental Disorders	309.81	PROLONG POSTTRAUM STRESS
	112.00	Mental Disorders	309.82	ADJUST REACT-PHYS SYMPT
	112.00	Mental Disorders	309.83	ADJUST REACT- WITHDRAWAL
	112.00	Mental Disorders	309.89	ADJUSTMENT REACTION NEC
	112.00	Mental Disorders	309.9	ADJUSTMENT REACTION NOS
	112.00	Mental Disorders	315.	SPECIFIC DEVELOP DELAYS*
	112.00	Mental Disorders	315.0	SPECIFIC READING DIS*
	112.00	Mental Disorders	315.00	READING DISORDER NOS
	112.00	Mental Disorders	315.01	ALEXIA
	112.00	Mental Disorders	315.02	DEVELOPMENTAL DYSLEXIA
	112.00	Mental Disorders	315.09	READING DISORDER NEC
	112.00	Mental Disorders	315.1	ARITHMETICAL DISORDER
	112.00	Mental Disorders	315.2	OTH LEARNING DIFFICULTY
	112.00	Mental Disorders	315.3	SPEECH/ LANGUAGE DISORDER
	112.00	Mental Disorders	315.31	DEVELOPMENT LANGUAGE DIS
	112.00	Mental Disorders	315.39	SPEECH/ LANGUAGE DIS NEC
	112.00	Mental Disorders	315.4	COORDINATION DISORDER
	112.00	Mental Disorders	315.5	MIXED DEVELOPMENT DIS
	112.00	Mental Disorders	315.8	DEVELOPMENT DELAYS NEC
	112.00	Mental Disorders	315.9	DEVELOPMENTAL DELAY NOS
	112.02	Organic mental disorders	293.	TRANSIENT ORG MENTAL DIS
	112.02	Organic mental disorders	293.0	ACUTE DELIRIUM
	112.02	Organic mental disorders	293.1	SUBACUTE DELIRIUM
	112.02	Organic mental disorders	293.8	OTH TRANSIENT ORG MENTAL
	112.02	Organic mental disorders	293.81	ORGANIC DELUSIONAL SYND
	112.02	Organic mental disorders	293.82	ORGANIC HALLUCINOSIS SYN
	112.02	Organic mental disorders	293.83	ORGANIC AFFECTIVE SYND
	112.02	Organic mental disorders	293.89	TRANSIENT ORG MENTAL NEC
	112.02	Organic mental disorders	293.9	TRANSIENT ORG MENTAL NOS
	112.02	Organic mental disorders	294.	OTHER ORGANIC PSYCH COND
	112.02	Organic mental disorders	294.0	AMNESTIC SYNDROME

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Mental Disorders (continued)	112.02	Organic mental disorders	294.1	DEMENTIA IN OTH DISEASES
	112.02	Organic mental disorders	294.8	ORGANIC BRAIN SYND NEC
	112.02	Organic mental disorders	294.9	ORGANIC BRAIN SYND NOS
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	295.	SCHIZOPHRENIC DISORDERS*
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	295.0	SIMPLE SCHIZOPHRENIA*
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	295.00	SIMPL SCHIZOPHREN-UNSPEC
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	295.01	SIMPL SCHIZOPHREN-SUBCHR
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	295.02	SIMPLE SCHIZOPHREN-CHR
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	295.03	SIMP SCHIZ-SUBCHR/EXACER
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	295.1	HEBEPHRENIA*
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	295.10	HEBEPHRENIA-UNSPEC
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	295.11	HEBEPHRENIA-SUBCHRONIC
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	295.12	HEBEPHRENIA-CHRONIC
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	295.13	HEBEPHREN-SUBCHR/EXACERB
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	295.14	HEBEPHRENIA-CHR/EXACERB

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Mental Disorders (continued)	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.15	HEBEPHRENIA-REMISSION
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.2	CATATONIC SCHIZOPHRENIA*
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.20	CATATONIA-UNSPEC
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.21	CATATONIA-SUBCHRONIC
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.22	CATATONIA-CHRONIC
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.23	CATATONIA-SUBCHR/ EXACERB
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.24	CATATONIA-CHR/ EXACERB
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.25	CATATONIA-REMISSION
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.3	PARANOID SCHIZOPHRENIA*
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.30	PARANOID SCHIZO-UNSPEC
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.31	PARANOID SCHIZO-SUBCHR
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.32	PARANOID SCHIZO-CHRONIC
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.33	PARANOID SCHIZO-SUBCHR/ EXAC

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Mental Disorders (continued)	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.34	PARAN SCHIZO-CHR/ EXACERB
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.35	PARANOID SCHIZO-REMISS
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.4	AC SCHIZOPHRENIC EPISODE
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.40	AC SCHIZOPHRENIA-UNSPEC
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.41	AC SCHIZOPHRENIA- SUBCHR
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.42	AC SCHIZOPHRENIA-CHR
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.43	AC SCHIZO-SUBCHR/ EXACERB
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.44	AC SCHIZOPHR-CHR/ EXACERB
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.5	LATENT SCHIZOPHRENIA*
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.50	LATENT SCHIZOPHREN- UNSP
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.52	LATENT SCHIZOPHREN-CHR
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.53	LAT SCHIZO-SUBCHR/ EXACER
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.6	RESIDUAL SCHIZOPHRENIA*

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Mental Disorders (continued)	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.60	RESID SCHIZOPHREN-UNSP
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.61	RESID SCHIZOPHREN- SUBCHR
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.62	RESIDUAL SCHIZOPHREN- CHR
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.63	RESID SCHIZO-SUBCHR/ EXAC
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.64	RESID SCHIZO-CHR/ EXACERB
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.65	RESID SCHIZOPHREN- REMISS
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.7	SCHIZOAFFECTIVE TYPE*
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.70	SCHIZOAFFECTIVE-UNSPEC
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.71	SCHIZOAFFECTIVE-SUBCHR
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.72	SCHIZOAFFECTIVE-CHRONIC
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.73	SCHIZOAFF-SUBCHR/ EXACER
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.74	SCHIZOAFFECT-CHR/ EXACER
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.8	SCHIZOPHRENIA NEC*

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Mental Disorders (continued)	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.80	SCHIZOPHRENIA NEC- UNSPEC
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.82	SCHIZOPHRENIA NEC-CHR
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.83	SCHIZO NEC- SUBCHR/EXACER
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.84	SCHIZO NEC-CHR/ EXACERB
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.9	SCHIZOPHRENIA NOS*
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.90	SCHIZOPHRENIA NOS- UNSPEC
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.91	SCHIZOPHRENIA NOS- SUBCHR
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.92	SCHIZOPHRENIA NOS-CHR
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.93	SCHIZO NOS-SUBCHR/ EXACER
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.94	SCHIZO NOS-CHR/ EXACERB
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	295.95	SCHIZOPHRENIA NOS- REMISS
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	297.	PARANOID STATES*
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	297.0	PARANOID STATE SIMPLE

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Mental Disorders (continued)	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	297.1	PARANOIA
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	297.2	PARAPHRENIA
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	297.3	SHARED PARANOID DISORDER
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	297.8	PARANOID STATES NEC
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	297.9	PARANOID STATE NOS
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	298.	OTH NONORGANIC PSYCHOSES
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	298.0	REACT DEPRESS PSYCHOSIS
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	298.1	EXCITATIV TYPE PSYCHOSIS
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	298.2	REACTIVE CONFUSION
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	298.3	ACUTE PARANOID REACTION
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	298.4	PSYCHOGEN PARANOID PSYCH
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	298.8	REACT PSYCHOSIS NEC/ NOS
	112.03	Schizophrenic/ delusional/ schizoaffective, and other psychotic disorders	298.9	PSYCHOSIS NOS

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Mental Disorders (continued)	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	299.1	DISINTEGRATIVE PSYCHOSIS
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	299.10	DISINTEGR PSYCH-ACTIVE
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	299.8	EARLY CHLD PSYCHOSES NEC
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	299.80	CHILD PSYCHOS NEC-ACTIVE
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	299.81	CHILD PSYCHOS NEC-RESID
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	299.9	EARLY CHLD PSYCHOSIS NOS
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	299.90	CHILD PSYCHOS NOS-ACTIVE
	112.03	Schizophrenic/delusional/schizoaffective, and other psychotic disorders	299.91	CHILD PSYCHOS NOS-RESID
	112.04	Mood disorders	296.	AFFECTIVE PSYCHOSES*
	112.04	Mood disorders	296.0	MANIC DIS SINGL EPISODE
	112.04	Mood disorders	296.00	MANIC DISORDER-UNSPEC
	112.04	Mood disorders	296.01	MANIC DISORDER-MILD
	112.04	Mood disorders	296.02	MANIC DISORDER-MOD
	112.04	Mood disorders	296.03	MANIC DISORDER-SEVERE
	112.04	Mood disorders	296.1	MANIC RECURRENT EPISODE
	112.04	Mood disorders	296.10	RECUR MANIC DIS-UNSPEC
	112.04	Mood disorders	296.12	RECUR MANIC DIS-MOD
	112.04	Mood disorders	296.13	RECUR MANIC DIS-SEVERE
	112.04	Mood disorders	296.14	RECUR MANIC-SEV W PSYCHO
	112.04	Mood disorders	296.15	RECUR MANIC-PART REMISS
	112.04	Mood disorders	296.2	DEPR PSYCH SINGL EPISOD
	112.04	Mood disorders	296.20	DEPRESS PSYCHOSIS-UNSPEC
	112.04	Mood disorders	296.21	DEPRESS PSYCHOSIS-MILD
	112.04	Mood disorders	296.22	DEPRESSIVE PSYCHOSIS-MOD
	112.04	Mood disorders	296.23	DEPRESS PSYCHOSIS-SEVERE
	112.04	Mood disorders	296.24	DEPR PSYCHOS-SEV W PSYCH

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Mental Disorders (continued)	112.04	Mood disorders	296.25	DEPR PSYCHOS-PART REMISS
	112.04	Mood disorders	296.26	DEPR PSYCHOS-FULL REMISS
	112.04	Mood disorders	296.3	DEPR PSYCH RECUR EPISOD
	112.04	Mood disorders	296.30	RECURR DEPR PSYCHOS-UNSP
	112.04	Mood disorders	296.31	RECURR DEPR PSYCHOS-MILD
	112.04	Mood disorders	296.32	RECURR DEPR PSYCHOS-MOD
	112.04	Mood disorders	296.33	RECUR DEPR PSYCH-SEVERE
	112.04	Mood disorders	296.34	REC DEPR PSYCH-PSYCHOTIC
	112.04	Mood disorders	296.35	RECUR DEPR PSYC-PART REM
	112.04	Mood disorders	296.36	RECUR DEPR PSYC-FULL REM
	112.04	Mood disorders	296.4	BIPOLAR AFFECTIVE MANIC
	112.04	Mood disorders	296.40	BIPOL AFF MANIC-UNSPEC
	112.04	Mood disorders	296.41	BIPOLAR AFF MANIC-MILD
	112.04	Mood disorders	296.42	BIPOLAR AFFEC MANIC-MOD
	112.04	Mood disorders	296.43	BIPOL AFF MANIC-SEVERE
	112.04	Mood disorders	296.44	BIPOL MANIC-SEV W PSYCH
	112.04	Mood disorders	296.45	BIPOL AFF MANIC-PART REM
	112.04	Mood disorders	296.46	BIPOL AFF MANIC-FULL REM
	112.04	Mood disorders	296.5	BIPOLAR AFFECT DEPRESS*
	112.04	Mood disorders	296.50	BIPOLAR AFF DEPR-UNSPEC
	112.04	Mood disorders	296.51	BIPOLAR AFFEC DEPR-MILD
	112.04	Mood disorders	296.52	BIPOLAR AFFEC DEPR-MOD
	112.04	Mood disorders	296.53	BIPOL AFF DEPR-SEVERE
	112.04	Mood disorders	296.54	BIPOL DEPR-SEV W PSYCH
	112.04	Mood disorders	296.55	BIPOL AFF DEPR-PART REM
	112.04	Mood disorders	296.56	BIPOL AFF DEPR-FULL REM
	112.04	Mood disorders	296.6	BIPOLAR AFFECTIVE MIXED
	112.04	Mood disorders	296.60	BIPOL AFF MIXED-UNSPEC
	112.04	Mood disorders	296.61	BIPOLAR AFF MIXED-MILD
	112.04	Mood disorders	296.62	BIPOLAR AFFEC MIXED-MOD
	112.04	Mood disorders	296.63	BIPOL AFF MIXED-SEVERE
	112.04	Mood disorders	296.64	BIPOL MIXED-SEV W PSYCH
	112.04	Mood disorders	296.65	BIPOL AFF MIX-PART REM
	112.04	Mood disorders	296.66	BIPOL AFF MIX-FULL REM
	112.04	Mood disorders	296.7	BIPOLAR AFFECTIVE NOS
	112.04	Mood disorders	296.8	MANIC-DEPRESSIVE NEC/NOS
	112.04	Mood disorders	296.80	MANIC-DEPRESSIVE NOS
	112.04	Mood disorders	296.81	ATYPICAL MANIC DISORDER
	112.04	Mood disorders	296.82	ATYPICAL DEPRESSIVE DIS
	112.04	Mood disorders	296.89	MANIC-DEPRESSIVE NEC
	112.04	Mood disorders	296.9	AFFECT PSYCHOSES NEC/NOS
	112.04	Mood disorders	296.90	AFFECTIVE PSYCHOSIS NOS
	112.04	Mood disorders	296.99	AFFECTIVE PSYCHOSES NEC
112.04	Mood disorders	311.	DEPRESSIVE DISORDER NEC	
112.05	Mental retardation	317.	MILD MENTAL RETARDATION	
112.05	Mental retardation	318.	OTHER MENTAL RETARDATION	
112.05	Mental retardation	318.0	MOD MENTAL RETARDATION	
112.05	Mental retardation	318.1	SEVERE MENTAL RETARDAT	
112.05	Mental retardation	318.2	PROFOUND MENTAL RETARDAT	
112.08	Personality disorders	301.	PERSONALITY DISORDERS*	
112.08	Personality disorders	301.0	PARANOID PERSONALITY	

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Mental Disorders (continued)	112.08	Personality disorders	301.1	AFFECTIVE PERSONALITY*
	112.08	Personality disorders	301.10	AFFECTIV PERSONALITY NOS
	112.08	Personality disorders	301.11	CHRONIC HYPOMANIC PERSON
	112.08	Personality disorders	301.12	CHR DEPRESSIVE PERSON
	112.08	Personality disorders	301.13	CYCLOTHYMIC DISORDER
	112.08	Personality disorders	301.2	SCHIZOID PERSONALITY*
	112.08	Personality disorders	301.20	SCHIZOID PERSONALITY NOS
	112.08	Personality disorders	301.21	INTROVERTED PERSONALITY
	112.08	Personality disorders	301.22	SCHIZOTYPAL PERSONALITY
	112.08	Personality disorders	301.3	EXPLOSIVE PERSONALITY
	112.08	Personality disorders	301.4	COMPULSIVE PERSONALITY
	112.08	Personality disorders	301.5	HISTRIONIC PERSONALITY*
	112.08	Personality disorders	301.50	HISTRIONIC PERSON NOS
	112.08	Personality disorders	301.51	CHR FACTITIOUS ILLNESS
	112.08	Personality disorders	301.59	HISTRIONIC PERSON NEC
	112.08	Personality disorders	301.6	DEPENDENT PERSONALITY
	112.08	Personality disorders	301.7	ANTISOCIAL PERSONALITY
	112.08	Personality disorders	301.8	OTHER PERSONALITY DIS*
	112.08	Personality disorders	301.81	NARCISSISTIC PERSONALITY
	112.08	Personality disorders	301.82	AVOIDANT PERSONALITY
	112.08	Personality disorders	301.83	BORDERLINE PERSONALITY
	112.08	Personality disorders	301.84	PASSIVE-AGGRESSIV PERSON
	112.08	Personality disorders	301.89	PERSONALITY DISORDER NEC
	112.08	Personality disorders	301.9	PERSONALITY DISORDER NOS
	112.08	Personality disorders	312.	CONDUCT DISTURBANCE NEC*
	112.08	Personality disorders	312.0	UNSOCIALIZED AGGRESSION*
	112.08	Personality disorders	312.00	UNSOCIAL AGGRESS-UNSPEC
	112.08	Personality disorders	312.01	UNSOCIAL AGGRESSION-MILD
	112.08	Personality disorders	312.02	UNSOCIAL AGGRESSION-MOD
	112.08	Personality disorders	312.03	UNSOCIAL AGGRESS-SEVERE
	112.08	Personality disorders	312.1	UNSOCIALIZED UNAGGRESSIVE
	112.08	Personality disorders	312.10	UNSOCIAL UNAGGRESS-UNSP
	112.08	Personality disorders	312.11	UNSOCIAL UNAGGRESS-MILD
	112.08	Personality disorders	312.12	UNSOCIAL UNAGGRESS-MOD
	112.08	Personality disorders	312.13	UNSOCIAL UNAGGR-SEVERE
	112.08	Personality disorders	312.2	SOCIALIZED CONDUCT DIS*
	112.08	Personality disorders	312.20	SOCIAL CONDUCT DIS-UNSP
	112.08	Personality disorders	312.21	SOCIAL CONDUCT DIS-MILD
	112.08	Personality disorders	312.22	SOCIAL CONDUCT DIS-MOD
	112.08	Personality disorders	312.23	SOCIAL CONDUCT DIS-SEV
	112.08	Personality disorders	312.3	IMPULSE CONTROL DIS NEC*
	112.08	Personality disorders	312.30	IMPULSE CONTROL DIS NOS
	112.08	Personality disorders	312.32	KLEPTOMANIA
	112.08	Personality disorders	312.33	PYROMANIA
112.08	Personality disorders	312.34	INTERMITT EXPLOSIVE DIS	
112.08	Personality disorders	312.35	ISOLATED EXPLOSIVE DIS	
112.08	Personality disorders	312.39	IMPULSE CONTROL DIS NEC	
112.08	Personality disorders	312.4	MIX DIS CONDUCT/ EMOTION	

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Mental Disorders (continued)	112.08	Personality disorders	312.8	OTHER CONDUCT DISTURB*
	112.08	Personality disorders	312.9	CONDUCT DISTURBANCE NOS
	112.08	Personality disorders	313.	EMOTIONAL DIS CHILD/ ADOL
	112.08	Personality disorders	313.0	OVERANXIOUS DISORDER
	112.08	Personality disorders	313.1	MISERY & UNHAPPINESS DIS
	112.08	Personality disorders	313.2	SENSITIVITY & WITHDRAWAL
	112.08	Personality disorders	313.21	SHYNESS DISORDER-CHILD
	112.08	Personality disorders	313.22	INTROVERTED DIS-CHILD
	112.08	Personality disorders	313.23	ELECTIVE MUTISM
	112.08	Personality disorders	313.3	RELATIONSHIP PROBLEMS
	112.08	Personality disorders	313.8	OTH EMOTIONAL DIS CHILD*
	112.08	Personality disorders	313.81	OPPOSITIONAL DISORDER
	112.08	Personality disorders	313.82	IDENTITY DISORDER
	112.08	Personality disorders	313.83	ACADEMIC UNDERACHIEVMENT
	112.08	Personality disorders	313.89	EMOTIONAL DIS CHILD NEC
	112.08	Personality disorders	313.9	EMOTIONAL DIS CHILD NOS
	112.09	Psychoactive substance dependence disorder	291.	ALCOHOLIC PSYCHOSES*
	112.09	Psychoactive substance dependence disorder	291.0	DELIRIUM TREMENS
	112.09	Psychoactive substance dependence disorder	291.1	ALCOHOL AMNESTIC SYND
	112.09	Psychoactive substance dependence disorder	291.2	ALCOHOLIC DEMENTIA NEC
	112.09	Psychoactive substance dependence disorder	291.3	ALCOHOL HALLUCINOSIS
	112.09	Psychoactive substance dependence disorder	291.4	PATHOLOGIC ALCOHOL INTOX
	112.09	Psychoactive substance dependence disorder	291.8	ALCOHOLIC PSYCHOSIS NEC
	112.09	Psychoactive substance dependence disorder	291.9	ALCOHOLIC PSYCHOSIS NOS
	112.09	Psychoactive substance dependence disorder	292.	DRUG PSYCHOSES*
	112.09	Psychoactive substance dependence disorder	292.0	DRUG WITHDRAWAL SYNDROME
	112.09	Psychoactive substance dependence disorder	292.1	DRUG PARANOID/ HALLUCINOS
	112.09	Psychoactive substance dependence disorder	292.11	DRUG PARANOID STATE
	112.09	Psychoactive substance dependence disorder	292.12	DRUG HALLUCINOSIS
	112.09	Psychoactive substance dependence disorder	292.2	PATHOLOGIC DRUG INTOX
	112.09	Psychoactive substance dependence disorder	292.8	OTHER DRUG MENTAL DIS*

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Mental Disorders (continued)	112.09	Psychoactive substance dependence disorder	292.81	DRUG-INDUCED DELIRIUM
	112.09	Psychoactive substance dependence disorder	292.82	DRUG-INDUCED DEMENTIA
	112.09	Psychoactive substance dependence disorder	292.84	DRUG DEPRESSIVE SYNDROME
	112.09	Psychoactive substance dependence disorder	292.89	DRUG MENTAL DISORDER NEC
	112.09	Psychoactive substance dependence disorder	292.9	DRUG MENTAL DISORDER NOS
	112.10	disorders	299.0	INFANTILE AUTISM*
	112.11	Attention deficit hyperactivity disorder	314.	HYPERKINETIC SYNDROME*
	112.11	Attention deficit hyperactivity disorder	314.0	ATTENTION DEFICIT DIS*
	112.11	Attention deficit hyperactivity disorder	314.00	ATTN DEFIC NONHYPERACT
	112.11	Attention deficit hyperactivity disorder	314.01	ATTN DEFICIT W HYPERACT
	112.11	Attention deficit hyperactivity disorder	314.1	HYPERKINET W DEVEL DELAY
	112.11	Attention deficit hyperactivity disorder	314.2	HYPERKINETIC CONDUCT DIS
	112.11	Attention deficit hyperactivity disorder	314.8	OTHER HYPERKINETIC SYND
	112.11	Attention deficit hyperactivity disorder	314.9	HYPERKINETIC SYND NOS
	Neoplastic Diseases -- Malignant	113.02	Lymphoreticular malignant neoplasms	200.1
113.02		Lymphoreticular malignant neoplasms	200.10	LYMPHSRC UNSP XTRNDL ORG
113.02		Lymphoreticular malignant neoplasms	200.13	LYMPHOSARCOMA ABDOM
113.02		Lymphoreticular malignant neoplasms	200.15	LYMPHOSARCOMA INGUIN
113.02		Lymphoreticular malignant neoplasms	200.18	LYMPHOSARCOMA MULT
113.02		Lymphoreticular malignant neoplasms	200.2	BURKITT'S TUMOR/ LYMPHOMA
113.02		Lymphoreticular malignant neoplasms	200.20	BRKT TMR UNSP XTRNDL ORG
113.02		Lymphoreticular malignant neoplasms	200.21	BURKITT'S TUMOR HEAD
113.02		Lymphoreticular malignant neoplasms	200.23	BURKITT'S TUMOR ABDOM
113.02		Lymphoreticular malignant neoplasms	200.28	BURKITT'S TUMOR MULT
113.02		Lymphoreticular malignant neoplasms	200.80	OTH VARN UNSP XTRNDL ORG
113.02		Lymphoreticular malignant neoplasms	201.0	HODGKIN'S PARAGRANULOMA*
113.02		Lymphoreticular malignant neoplasms	201.00	HDGK PRG UNSP XTRNDL ORG
113.02		Lymphoreticular malignant neoplasms	201.01	HODGKINS PARAGRAN HEAD
113.02		Lymphoreticular malignant neoplasms	201.03	HODGKINS PARAGRAN ABDOM
113.02	Lymphoreticular malignant neoplasms	201.10	HDGK GRN UNSP XTRNDL ORG	

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Neoplastic Diseases – Malignant (<i>continued</i>)	113.02	Lymphoreticular malignant neoplasms	201.4	HODGKINS LYMPH-HISTIOCYT
	113.02	Lymphoreticular malignant neoplasms	201.40	LYM-HST UNSP XTRNDL ORGN
	113.02	Lymphoreticular malignant neoplasms	201.44	HODG LYMPH-HISTIO AXILLA
	113.02	Lymphoreticular malignant neoplasms	201.5	HODGKINS NODULAR SCLEROS
	113.02	Lymphoreticular malignant neoplasms	201.50	NDR SCLR UNSP XTRNDL ORG
	113.02	Lymphoreticular malignant neoplasms	201.51	HODG NODUL SCLERO HEAD
	113.02	Lymphoreticular malignant neoplasms	201.52	HODG NODUL SCLERO THORAX
	113.02	Lymphoreticular malignant neoplasms	201.58	HODG NODUL SCLERO MULT
	113.02	Lymphoreticular malignant neoplasms	201.6	HODGKINS MIX CELLULARITY
	113.02	Lymphoreticular malignant neoplasms	201.60	MXD CELR UNSP XTRNDL ORG
	113.02	Lymphoreticular malignant neoplasms	201.61	HODGKINS MIX CELL HEAD
	113.02	Lymphoreticular malignant neoplasms	201.9	HODGKINS DISEASE NOS*
	113.02	Lymphoreticular malignant neoplasms	201.90	HDGK DIS UNSP XTRNDL ORG
	113.02	Lymphoreticular malignant neoplasms	201.91	HODGKINS DIS NOS HEAD
	113.02	Lymphoreticular malignant neoplasms	201.92	HODGKINS DIS NOS THORAX
	113.02	Lymphoreticular malignant neoplasms	201.93	HODGKINS DIS NOS ABDOM
	113.02	Lymphoreticular malignant neoplasms	201.94	HODGKINS DIS NOS AXILLA
	113.02	Lymphoreticular malignant neoplasms	201.95	HODGKINS DIS NOS INGUIN
	113.02	Lymphoreticular malignant neoplasms	201.96	HODGKINS DIS NOS PELVIC
	113.02	Lymphoreticular malignant neoplasms	201.98	HODGKINS DIS NOS MULT
	113.02	Lymphoreticular malignant neoplasms	202.	OTH MAL NEO LYMPH/HISTIO *
	113.02	Lymphoreticular malignant neoplasms	202.0	NODULAR LYMPHOMA*
	113.02	Lymphoreticular malignant neoplasms	202.00	NDLR LYM UNSP XTRNDL ORG
	113.02	Lymphoreticular malignant neoplasms	202.02	NODULAR LYMPHOMA THORAX
	113.02	Lymphoreticular malignant neoplasms	202.04	NODULAR LYMPHOMA AXILLA
	113.02	Lymphoreticular malignant neoplasms	202.1	MYCOSIS FUNGOIDES*
	113.02	Lymphoreticular malignant neoplasms	202.10	MYCS FNG UNSP XTRNDL ORG
	113.02	Lymphoreticular malignant neoplasms	202.11	MYCOSIS FUNDOIDES HEAD
	113.02	Lymphoreticular malignant neoplasms	202.2	SEZARY'S DISEASE*
	113.02	Lymphoreticular malignant neoplasms	202.20	SZRY DIS UNSP XTRNDL ORG
	113.02	Lymphoreticular malignant neoplasms	202.21	SEZARY'S DISEASE HEAD
	113.02	Lymphoreticular malignant neoplasms	202.22	SEZARY'S DISEASE THORAX

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Neoplastic Diseases – Malignant (<i>continued</i>)	113.02	Lymphoreticular malignant neoplasms	202.24	SEZARY'S DISEASE AXILLA
	113.02	Lymphoreticular malignant neoplasms	202.25	SEZARY'S DISEASE INGUIN
	113.02	Lymphoreticular malignant neoplasms	202.3	MALIGNANT HISTIOCYTOSIS*
	113.02	Lymphoreticular malignant neoplasms	202.30	MLG HIST UNSP XTRNDL ORG
	113.02	Lymphoreticular malignant neoplasms	202.31	MAL HISTIOCYTOSIS HEAD
	113.02	Lymphoreticular malignant neoplasms	202.32	MAL HISTIOCYTOSIS THORAX
	113.02	Lymphoreticular malignant neoplasms	202.38	MAL HISTIOCYTOSIS MULT
	113.02	Lymphoreticular malignant neoplasms	202.4	LEUKEM RETICULOENDOTHEL*
	113.02	Lymphoreticular malignant neoplasms	202.5	LETTERER-SIWE DISEASE*
	113.02	Lymphoreticular malignant neoplasms	202.50	LTR-SIWE UNSP XTRNDL ORG
	113.02	Lymphoreticular malignant neoplasms	202.51	LETTERER-SIWE DIS HEAD
	113.02	Lymphoreticular malignant neoplasms	202.6	MALIG MAST CELL TUMORS*
	113.02	Lymphoreticular malignant neoplasms	202.60	MLG MAST UNSP XTRNDL ORG
	113.02	Lymphoreticular malignant neoplasms	202.61	MAL MASTOCYTOSIS HEAD
	113.02	Lymphoreticular malignant neoplasms	202.62	MAL MASTOCYTOSIS THORAX
	113.02	Lymphoreticular malignant neoplasms	202.8	LYMPHOMAS NEC*
	113.02	Lymphoreticular malignant neoplasms	208.80	OTH LYMP UNSP XTRNDL ORG
	113.02	Lymphoreticular malignant neoplasms	202.81	LYMPHOMAS NEC HEAD
	113.02	Lymphoreticular malignant neoplasms	202.82	LYMPHOMAS NEC THORAX
	113.02	Lymphoreticular malignant neoplasms	202.83	LYMPHOMAS NEC ABDOM
	113.02	Lymphoreticular malignant neoplasms	202.84	LYMPHOMAS NEC AXILLA
	113.02	Lymphoreticular malignant neoplasms	202.85	LYMPHOMAS NEC INGUIN
	113.02	Lymphoreticular malignant neoplasms	202.86	LYMPHOMAS NEC PELVIC
	113.02	Lymphoreticular malignant neoplasms	202.87	LYMPHOMAS NEC SPLEEN
	113.02	Lymphoreticular malignant neoplasms	202.88	LYMPHOMAS NEC MULT
	113.02	Lymphoreticular malignant neoplasms	202.9	MAL NEO LYM/ HIST TIS NEC
	113.02	Lymphoreticular malignant neoplasms	202.90	UNSP LYM UNSP XTRNDL ORG
	113.03	Malignant solid tumors	159.	OTH MALIG NEO GI/ PERITON
	113.03	Malignant solid tumors	159.0	MALIG NEO INTESTINE NOS
	113.03	Malignant solid tumors	159.8	MAL NEO GI/ INTRA-ABD NEC
	113.03	Malignant solid tumors	159.9	MAL NEO GI TRACT ILL-DEF
	113.03	Malignant solid tumors	164.0	MALIGNANT NEOPL THYMUS
	113.03	Malignant solid tumors	189.	MAL NEO URINARY NEC/ NOS*
	113.03	Malignant solid tumors	189.0	MALIG NEOPL KIDNEY
	113.03	Malignant solid tumors	189.2	MALIG NEOPL URETER
	113.03	Malignant solid tumors	189.3	MALIG NEOPL URETHRA
	113.03	Malignant solid tumors	189.9	MAL NEO URINARY NOS

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Neoplastic Diseases – Malignant (<i>continued</i>)	113.03	Malignant solid tumors	192.1	MAL NEO CEREBRAL MENING
	113.03	Malignant solid tumors	194.0	MALIGN NEOPL ADRENAL
	113.03	Malignant solid tumors	190.5	MALIGN NEOPL RETINA *
Immune System	114.02	Systemic lupus erythematosus	695.4	LUPUS ERYTHEMATOSUS
	114.02	Systemic lupus erythematosus	710.0	SYST LUPUS ERYTHEMATOSUS
	114.04	Systemic sclerosis and sclerodermia	710.1	SYSTEMIC SCLEROSIS *
	114.07	Congenital immune deficiency disease	279.0	DEFIC HUMORAL IMMUNITY**
	114.07	Congenital immune deficiency disease	279.00	HYPOGAMMAGLOBULINEM NOS *
	114.07	Congenital immune deficiency disease	279.01	SELECTIVE IGA IMMUNODEF *
	114.07	Congenital immune deficiency disease	279.02	SELECTIVE IGM IMMUNODEF *
	114.07	Congenital immune deficiency disease	279.03	SELECTIVE IG DEFIC NEC *
	114.07	Congenital immune deficiency disease	279.04	CONG HYPOGAMMAGLOBULINEM *
	114.07	Congenital immune deficiency disease	279.05	IMMUNODEFIC W HYPER-IGM *
	114.07	Congenital immune deficiency disease	279.06	COMMON VARIABL IMMUNODEF *
	114.07	Congenital immune deficiency disease	279.09	HUMORAL IMMUNITY DEF NEC *
	114.07	Congenital immune deficiency disease	279.1	DEFIC CELLULAR IMMUNITY**
	114.07	Congenital immune deficiency disease	279.10	IMMUNDEF T-CELL DEF NOS *
	114.07	Congenital immune deficiency disease	279.11	DIGEORGE'S SYNDROME *
	114.07	Congenital immune deficiency disease	279.12	WISKOTT-ALDRICH SYNDROME *
	114.07	Congenital immune deficiency disease	279.13	NEZELOF'S SYNDROME *
	114.07	Congenital immune deficiency disease	279.19	DEFIC CELL IMMUNITY NOS *
	114.07	Congenital immune deficiency disease	279.2	COMBINED IMMUNITY DEFIC *
	114.08	Human immunodeficiency virus (HIV) infection	042.	HUMAN IMMUNO VIRUS DIS
	114.08	Human immunodeficiency virus (HIV) infection	042.0	HIV W/SPECIF INFECTIONS
	114.08	Human immunodeficiency virus (HIV) infection	042.1	HIV CAUS OTH SPEC INFEC
	114.08	Human immunodeficiency virus (HIV) infection	042.2	HIV W/SPEC MALIG NEOPLS
	114.08	Human immunodeficiency virus (HIV) infection	042.9	AIDS UNSPECIFIED
	114.08	Human immunodeficiency virus (HIV) infection	043.0	HIV CAUS LYMPHADENOPATH *
	114.08	Human immunodeficiency virus (HIV) infection	043.1	HIV CAUS SP CNS DISEASE *

Section Name	Category Number from Listing of Impairments	Category Name	ICD-9-CM Diagnosis	ICD-9-CM Diagnosis Name
Immune System (continued)	114.08	Human immunodeficiency virus (HIV) infection	043.2	HIV CAUS OT DISOR IMMUN *
	114.08	Human immunodeficiency virus (HIV) infection	043.3	HIV CAUS OTH SPECIF CON *
	114.08	Human immunodeficiency virus (HIV) infection	043.9	ARC UNSPECIFIED *
	114.08	Human immunodeficiency virus (HIV) infection	044.0	HIV CAUS ACUTE INFECTIO *
	114.08	Human immunodeficiency virus (HIV) infection	044.9	HIV UNSPECIFIED *
Uncertain	-	Uncertain	237.70	NEUROFIBROMATOSIS NOS
	-	Uncertain	237.70	NEUROFIBROMATOSIS TYPE I
	-	Uncertain	237.72	NEUROFIBROMATOSIS TYP II
	-	Uncertain	299.	PSYCHOSES OF CHILDHOOD*
	-	Uncertain	299.00	INFANTILE AUTISM-ACTIVE
	-	Uncertain	299.01	INFANTILE AUTISM-RESID
	-	Uncertain	302.	SEXUAL DISORDERS*
	-	Uncertain	302.0	EGO-DYSTONIC HOMOSEXLTY
	-	Uncertain	302.1	ZOOPHILIA
	-	Uncertain	302.2	PEDOPHILIA
	-	Uncertain	302.3	TRANSVESTISM
	-	Uncertain	302.4	EXHIBITIONISM
	-	Uncertain	302.50	TRANS-SEXUALISM NOS
	-	Uncertain	302.6	PSYCHOSEX IDENTITY DIS
	-	Uncertain	302.7	PSYCHOSEXUAL DYSFUNCTION
	-	Uncertain	302.70	PSYCHOSEXUAL DYSFUNC NOS
	-	Uncertain	302.71	INHIBITED SEXUAL DESIRE
	-	Uncertain	302.72	INHIBITED SEX EXCITEMENT
	-	Uncertain	302.75	PREMATURE EJACULATION
	-	Uncertain	302.79	PSYCHOSEXUAL DYSFUNC NEC
	-	Uncertain	302.8	PSYCHOSEXUAL DIS NEC*
	-	Uncertain	302.81	FETISHISM
	-	Uncertain	302.82	VOYEURISM
	-	Uncertain	302.84	SEXUAL SADISM
	-	Uncertain	302.85	GEND IDEN DIS ADOL/ ADULT
	-	Uncertain	302.89	PSYCHOSEXUAL DIS NEC
-	Uncertain	302.9	PSYCHOSEXUAL DIS NOS	
-	Uncertain	588.0	RENAL OSTEODYSTROPHY	
-	Uncertain	740.1	CRANIORACHISCHISIS	
-	Uncertain	740.2	INIENCEPHALY	
-	Uncertain	777.1	MECONIUM OBSTRUCTION	

* ICD-9-CM code was not included in the Medstat group selection criteria.

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