Assessment in Early Childhood Education

Seventh Edition

Sue C. Wortham

Belinda Hardin

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Sue C. Wortham

Professor Emerita
University of Texas at San Antonio

Belinda J. Hardin

Associate Professor
The University of North Carolina at Greensboro

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Preface

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Students preparing to become teachers of young children from infancy through the early primary grades must be prepared to measure or evaluate children who are in the period of development called *early childhood*. Tests and other types of assessments designed for young children are different from those intended for children in later grades in elementary school. Because infants and children under age 8 have developmental needs different from those of older children, a textbook that includes discussion of assessment in the early childhood years must be written from a developmental perspective.

In the second decade of the 21st century, early childhood educators have been challenged in their efforts to assess very young children using the most important strategies for their ongoing development. As a result, it is especially important that future teachers and teachers who are struggling with these issues be fully informed about the range of assessment possibilities and where they are the most beneficial for young children.

Traditional and Authentic Assessment Strategies

This book is written for future teachers and current teachers of young children. It includes information about standardized tests and, more importantly, other types of assessments that are appropriate for young children, such as screening tools, observations, checklists, and rating scales. Assessments designed by teachers are explained both for preschool children and for kindergarten and primary-grade children who are transitioning into literacy. With the ever-growing trend toward performance assessment, portfolios, and other methods of reporting a child's performance, chapters describing these strategies have been expanded and enhanced. The approach of this edition is the development of an assessment system that includes traditional as well as authentic assessment strategies in a comprehensive plan. Thus, in this new edition, we seek to inform the reader about all types of assessments and their appropriate use.

New to this Edition

- Video links embedded in the Pearson eText make it possible for students to see real-life examples of the content in each chapter.
- Formative and summative assessments for students in the Pearson eText include "Checking Your Understanding" within major sections of each chapter so that students can gauge their understanding as they read and study the material, end of chapter "Review Questions" support student learning and knowledge retention, and end-of-chapter "Applying What You Have Learned" to provide practice applying chapter concepts for deeper understanding.

- Chapter 5, Classroom Assessment and Documentation, is a new chapter and Chapter 6, Observation, which used to be the focus of Chapter 5, is now expanded and covered in its own chapter to give sufficient coverage and guidelines to each of these important topics and skills. Chapter 6 also explains how observation strategies are adapted for infants and toddlers, children with disabilities, and English language learners (ELLs).

- New information is presented on the increasing importance of technology in assessment, such as electronic portfolios and teacher use of social media to share information on assessment.

- The impact of educational policies such as Common Core State Standards and early learning standards for very young children and how they support meaningful performance assessment are discussed.

- Updated information on standardized tests includes new tests and the deletion of some outdated tests.

How to Assess Young Children

Earlier editions of this book were developed in response to the expressed needs of teachers and graduate students who must understand and use current trends in assessment and put them into perspective within the reality of public schools that are required to focus intensively on standardized tests. Fortunately, commercial publishers of curriculum kits and textbooks for public schools are increasingly including performance assessments along with traditional assessments in their guides for teachers. Portfolios are becoming common as well. Nevertheless, teachers still need help in maintaining a balance between these new strategies and standardized testing.

An important factor in the assessment of young children is when and how they should be measured. This is a controversial issue. The strengths and weaknesses of each type of assessment presented are discussed, as is research on the problems surrounding testing and evaluation in early childhood. Because many sources in the literature and other textbooks do not include the limitations in addition to the merits of assessment techniques, this text provides an objective perspective on issues surrounding the efficacy and effectiveness of assessment strategies.

Organization

The book is divided into four parts. Part I provides an introduction to assessment in early childhood in **chapters 1** and **2**. Part II is devoted to standardized tests and how they are designed, used, and reported in **chapters 3** and **4**. Classroom assessments are discussed in part III. **Chapter 5** is a new chapter that focuses on classroom assessment and documentation, while **chapter 6** includes expanded information on observation. Checklists, rating scales, and rubrics are covered in **chapter 7**, while teacher-designed strategies and performance-based strategies are described in **chapters 8** and **9**. Finally, part IV is devoted to the use of assessment systems and how all the strategies discussed in the chapters leading to part IV can be incorporated into an assessment system or comprehensive assessment plan. **Chapter 10** focuses on the portfolio as an assessment system or part of an assessment system. **Chapter 11**

addresses the relationship teachers should have with parents and how a partnership can be developed that will best serve the child's learning and assessment. Included in the relationship is how children's progress can be reported to parents and how parents can contribute to the reporting process.

Acknowledgments

About the Authors

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SUE CLARK WORTHAM is Professor Emerita of Early Childhood and Elementary Education at the University of Texas at San Antonio. Prior to beginning a teaching career in higher education in 1979, she taught prekindergarten through second grade in public schools, worked as a school district administrator, and was a consultant at an education service center.

She has authored numerous texts, including *Early Childhood Curriculum: Developmental Bases for Learning and Teaching* (5th ed., 2010), Pearson. She coauthored *Play and Child Development* (4th ed., 2012) with Joe Frost and Stuart Reifel, also published by Pearson. Organizational publications include *Childhood 1892–2002*, published by the Association for Childhood Education International, and *Playgrounds for Young Children: National Survey and Perspectives*, coauthored with Joe Frost, published by the American Alliance for Health, Physical Education, Recreation, and Dance (AAHPERD).

In 1992, she served as a Fulbright Scholar in Chile. She was president of the Association for Childhood Education International (ACEI) from 1995 to 1997. Since retirement, she has been very active in the development of the Global Guidelines for Early Childhood Education and Care that resulted from an international symposium held in Ruschlikon, Switzerland, in 1999. Subsequently, she has a leadership role in the development, validation, and implementation of the ACEI Global Guidelines Assessment adapted from the original guidelines. She edited *Common Characteristics and Unique Qualities in Preschool Programs: Global Perspectives in Early Childhood Education* for Springer in 2013, which reported on the use of the *Global Guidelines Assessment* in countries around the world.

Dr. Wortham has served as director of educational programs for World Children's Relief and Volunteer Organization, a small nongovernmental organization (NGO), from 2001 to 2011. She engaged in training teachers and principals in Haiti, Senegal, Burkina Faso, and Sierra Leone.

BELINDA J. HARDIN is an Associate Professor in the Department of Specialized Education Services at The University of North Carolina at Greensboro. Dr. Hardin completed her PhD in Early Childhood, Families, and Literacy at the University of North Carolina at Chapel Hill. Prior to entering higher education in 2004, she was a public school kindergarten and special education teacher, a Head Start director, and the Director of the Special Projects Division at Chapel Hill Training-Outreach Project.

Her research includes cross-cultural studies investigating the effectiveness of services for young children with and without disabilities in the United States and other countries, particularly in Latin America. She is especially interested in measures of program quality with global applicability and how they are informed by sociocultural context. She served as the Co-Principal Investigator of three national studies in the United States that investigated the reliability and validity of Learning Accomplishment Profile assessment instruments, including

a dual-language sample of 2,099 children (half English speakers and a half Spanish speakers) to norm the Learning Accomplishment Profile-Diagnostic Edition. Additionally, Dr. Hardin completed studies investigating the referral, evaluation, and placement of preschool children with disabilities who are English Language Learners and is currently developing a family report questionnaire on preschool language development in English and Spanish. Dr. Hardin has conducted research and professional development activities with professionals and Spanish-speaking families in North Carolina, Guatemala, and the Yucatan Peninsula of Mexico. She was the Co-Principal Investigator of three international studies investigating the reliability and validity of the ACEI Global Guidelines Assessment in multiple countries across the world. Dr. Hardin has served on the Board of Directors for the Association of Childhood Education International and currently participates in two initiatives spearheaded by UNICEF to improve services for young children in inclusive early childhood settings worldwide.

Brief Contents

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An Overview of Assessment in Early Childhood

Suzanne Clouzeau/Pearson

Chapter Objectives

As a result of reading this chapter, you will be able to:

1. Explain the purposes of assessment in early childhood.
2. Describe the history of tests and measurements in early childhood.
3. Discuss issues and trends in assessing all young children.

Understanding the Purposes of Assessment in Infancy and Early Childhood

Not too long ago, resources on early childhood assessment were limited to occasional articles in journals, chapters in textbooks on teaching in early childhood programs, and a few small textbooks that were used as secondary texts in an early childhood education course. Very few teacher preparation programs offered a course devoted to assessment in early childhood. Now, in the 21st century, assessment of very young children has experienced a period of rapid growth and expansion.

In fact, it has been described as a "virtual explosion of testing in public schools" (Meisels & Atkins-Burnett, 2005, p. 1).

There has also been an explosion in the numbers of infants, toddlers, and preschoolers in early childhood programs and the types of programs that serve them. Moreover, the diversity among these young children increases each year. For example, Head Start programs serve children and families who speak at least 140 different languages. In some Head Start classrooms, 10 different languages might be spoken. Currently, 9 out of 10 Head Start programs enroll children whose families speak a language other than English (HHS/ACF/OHS, 2010). Head Start teaching teams may be multilingual, also representing growth in the diversity of the U.S. population (David, 2005; HHS/ACF/OHS, 2010).

What Is Assessment?

What do we need to know about all the diverse children found in services for infant and young children from all kinds of families, cultures, and languages? The study of individuals for measurement purposes begins before birth with assessment of fetal growth and development. At birth and throughout infancy and early childhood, various methods of measurement are used to evaluate the child's growth and development. Before a young child enters a preschool program, he or she is measured through medical examinations. Children are also measured through **observations** of developmental milestones, such as saying the first word or walking independently, by parents and other family members. Children might also be screened or evaluated for an early childhood program or service. Assessment is really a *process*. A current definition describes the assessment process as: "**Assessment** is the process of gathering information about children from several forms of evidence, then organizing and interpreting that information" (McAfee, Leong, & Bodrova, 2004, p. 3).

Assessment of children from birth through the preschool years is different from assessment of older people. Not only can young children not yet write or read, but the assessment of young, developing children also presents different challenges that influence the choice of measurement strategy, or how to measure or assess the children. Assessment methods must be matched with the level of mental, social, and physical development at each stage. Developmental change in young children is rapid, and there is a need to assess whether development is progressing normally. If development is not normal, the measurement and evaluation procedures used are important in making decisions regarding appropriate intervention services during infancy and the preschool years.

The term *assessment* can have different meanings when used with different age groups. An infant or toddler can be assessed to determine instructional needs in Early Head Start programs or to determine eligibility for early intervention services, for example. A preschool child may be assessed to determine school readiness or special education needs. A school-age child may be assessed to understand his or her academic achievement and/or whether the child is ready for the next grade level.

Check Your Understanding **1.1**
Click here to gauge your understanding of concepts in this section.

Watch this **video** to see a brief explanation of assessment by two professionals. (www.youtube.com/watch?v=lQyEJN6TbSk)

Purposes of Assessment

Assessment is used for various purposes. An *evaluation* may be conducted to assess a young child's development overall or in a specific developmental domain such as language or mathematics. Evaluations usually include multiple sources of assessment. When we need to learn more, we may assess the

child by asking her or him to describe what she or he has achieved. For example, a first-grade teacher may use measurement techniques to determine what reading skills have been mastered and what weaknesses exist that indicate a need for additional instruction.

Assessment strategies may be used for *diagnosis.* Just as a medical doctor conducts a physical examination of a child to diagnose an illness, psychologists, teachers, and other adults who work with children can conduct an informal or formal assessment to diagnose a developmental delay or causes for poor performance in learning, as well as to identify strengths. Assessment for this purpose may be one part of the initial evaluation process, which may also include observation, a review of medical records, and information from parents to identify their concerns, priorities, and resources.

If medical problems, birth defects, or developmental delays in motor, language, cognitive, or social development are discovered during the early, critical periods of development, steps can be taken to correct, minimize, or remediate them before the child enters school. For many developmental deficits or differences, the earlier they are detected and the earlier intervention is planned, the more likely the child will be able to overcome them or compensate for them. For example, if a serious hearing deficit is identified early, the child can learn other methods of communicating and acquiring information.

Assessment of young children is also used for *placement*—to place them in infant or early childhood programs or to provide special services. To ensure that a child receives the best services, careful **screening** followed by more extensive testing and observation may be conducted before selecting the combination of intervention programs and other services that will best serve the child.

Program planning is another purpose of assessment. After children have been identified and evaluated for an intervention program or service, assessment results can be used in planning the individualized programs that will serve them. These programs, in turn, can be evaluated to determine their effectiveness.

Early Intervention for a Child with Hearing Impairment

Julio, who is 2 years old, was born prematurely. He did not have regular checkups during his first year, but his mother took him to a community clinic when he had a cold and fever at about 9 months of age. When the doctor noticed that Julio did not react to normal sounds in the examining room, she stood behind him and clapped her hands near each ear. Because Julio did not turn toward the clapping sounds, the doctor suspected that he had a hearing loss. She arranged for Julio to be examined by an audiologist at an eye, ear, nose, and throat clinic.

Julio was found to have a significant hearing loss in both ears. He was fitted with hearing aids and is attending a special program twice a week for children with hearing deficits. Therapists in the program are teaching Julio to speak. They are also teaching his mother how to make Julio aware of his surroundings and help him to develop a vocabulary. Had Julio not received intervention services at an early age, he might have entered school with severe cognitive and learning deficits that would have put him at a higher risk for failing to learn.

Besides identifying and correcting developmental problems, assessment of very young children is conducted for other purposes. One purpose is *research.* Researchers study young children to better understand their behavior or to measure the appropriateness of the experiences that are provided for them.

How were these assessment strategies developed? In the next section, we describe how certain movements or factors, especially during the past century, have affected the development of testing instruments, procedures, and other measurement techniques that are used with infants and young children.

Check Your Understanding **1.2**
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The History of Tests and Measurements in Early Childhood

Interest in studying young children to understand their growth and development dates back to the initial recognition of childhood as a separate period in the life cycle. Johann Pestalozzi, a pioneer in developing educational programs specifically for children, wrote about the development of his $3\frac{1}{2}$-year-old son in 1774 (Irwin & Bushnell, 1980). Early publications also reflected concern for the proper upbringing and education of young children. *Some Thoughts Concerning Education* by John Locke (1699), *Emile* by Rousseau (1762/1911), and Frederick Froebel's *Education of Man* (1896) were influential in focusing attention on the characteristics and needs of children in the 18th and 19th centuries. Rousseau believed that human nature was essentially good and that education must allow that goodness to unfold. He stated that more attention should be given to studying the child so that education could be adapted to meet individual needs (Weber, 1984). The study of children, as advocated by Rousseau, did not begin until the late 19th and early 20th centuries.

Scientists throughout the world used observation to measure human behaviors. Ivan Pavlov proposed a theory of conditioning to change behaviors. Alfred Binet developed the concept of a normal mental age by studying memory, attention, and intelligence in children. Binet and Theophile Simon developed an intelligence scale to determine mental age that made it possible to differentiate the abilities of individual children (Weber, 1984). American psychologists expanded these early efforts, developing instruments for various types of measurement.

The study and measurement of young children today has evolved from the child study movement, the development of standardized tests, Head Start and other federal programs first funded in the 1960s, the passage of Public Law 94-142 (now called the Individuals with Disabilities Education Improvement Act of 2004), and Public Law 99-457 (an expansion of PL 94-142 to include infants, toddlers, and preschoolers). Currently, there is a movement toward more meaningful learning or authentic achievement and assessment (Newmann, 1996; Wiggins, 1993). At the same time, continuing progress is being made in identifying, diagnosing, and providing more appropriate intervention for infants and young children with disabilities (Epstein, Schweinhart, DeBruin-Parecki, & Robin, 2004; Meisels & Fenichel, 1996).

The Child Study Movement

G. Stanley Hall, Charles Darwin, and Lawrence Frank were leaders in the development of the child study movement that emerged at the beginning of the 20th century. Darwin, in suggesting that by studying the development of the infant one could

glimpse the development of the human species, initiated the scientific study of the child (Kessen, 1965). Hall developed and extended methods of studying children. After he became president of Clark University in Worcester, Massachusetts, he established a major center for child study. Hall's students—John Dewey, Arnold Gesell, and Lewis Terman—all made major contributions to the study and measurement of children. Dewey advocated educational reform that affected the development of educational programs for young children. Gesell first described the behaviors that emerged in children at each chronological age. Terman became a leader in the development of mental tests (Irwin & Bushnell, 1980; Wortham, 2002).

Research in child rearing and child care was furthered by the establishment of the Laura Spelman Rockefeller Memorial child development grants. Under the leadership of Lawrence Frank, institutes for child development were funded by the Rockefeller grants at Columbia University Teacher's College (New York), the University of Minnesota, the University of California at Berkeley, Arnold Gesell's Clinic of Child Development at Yale University, the Iowa Child Welfare Station, and other locations.

With the establishment of child study at academic centers, preschool children could be observed in group settings, rather than as individuals in the home. With the development of laboratory schools and nursery schools in the home economics departments of colleges and universities, child study research could also include the family in broadening the understanding of child development. Researchers from many disciplines joined in an ongoing child study movement that originated strategies for observing and measuring development. The results of their research led to an abundant literature. Between the 1890s and the 1950s, hundreds of children were studied in academic settings throughout the United States (Weber, 1984). Thus, the child study movement has taught us to use observation and other strategies to assess the child. Investigators today continue to add new knowledge about child development and learning that aids parents, preschool teachers and staff members, and professionals in institutions and agencies that provide services to children and families. In the last decade of the 20th century and in the 21st century, brain research has opened up a whole new perspective of the nature of cognitive development and the importance of the early years for optimum development and later learning (Begley, 1997; National Scientific Council on the Developing Child, 2004; 2010; Shore, 1997). These new findings have caused early childhood educators to reflect on the factors that affect early development and the implications for programming for children in infancy and early childhood.

Check Your Understanding 1.3
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Standardized Tests

Standardized testing also began around 1900. When colleges and universities in the East sought applicants from other areas of the nation in the 1920s, they found the high school transcripts of these students difficult to evaluate. The *Scholastic Aptitude Test (SAT)* was established to permit fairer comparisons of applicants seeking admission (Cronbach, 1990).

As public schools expanded to offer 12 years of education, a similar phenomenon occurred. To determine the level and pace of instruction and the grouping of students without regard for socioeconomic class, objective tests were developed (Gardner, 1961). These tests grew out of the need to sort, select, or otherwise make decisions about both children and adults.

The first efforts to design tests were informal. When a psychologist, researcher, or physician needed a method to observe a behavior, he or she developed a

procedure to meet those needs. This procedure was often adopted by others with the same needs. When many people wanted to use a particular measurement strategy or test, the developer prepared printed copies for sale. As the demand for tests grew, textbook publishers and firms specializing in test development and production also began to create and sell tests (Cronbach, 1990).

American psychologists built on the work of Binet and Simon in developing the intelligence measures described earlier. Binet's instrument, revised by Terman at Stanford University, came to be known as the *Stanford–Binet Intelligence Scale.* Other Americans, particularly educators, welcomed the opportunity to use precise measurements to evaluate learning. Edward Thorndike and his students designed measures to evaluate achievement in reading, mathematics, spelling, and language ability (Weber, 1984). Because of the work of Terman and Thorndike, testing soon became a science (Scherer, 1999). By 1918, more than 100 standardized tests had been designed to measure school achievement (Monroe, 1918).

The Industrial Revolution in the 1800s was a major influence in the development of standardized tests. School-age children were taken out of factories and farms to attend school. Standardized tests made it possible to assess the new, large numbers of students. The SAT and ACT college entrance exams became the most prevalent standardized tests used to assess college eligibility. The SAT was founded in 1926. It remained largely unchanged until 2005, when a writing section was added. The ACT was developed to compete with the SAT in 1959. The ACT assesses accumulated knowledge. Both tests are widely used today (Fletcher, 2009).

After World War II, the demand for dependable and technically refined tests grew, and people of all ages came to be tested. As individuals and institutions selected and developed their own tests, the use of testing became more centralized. Statewide tests were administered in schools, and tests were increasingly used at the national level.

The expanded use of tests resulted in the establishment of giant corporations that could assemble the resources to develop, publish, score, and report the results of testing to a large clientele. Centralization improved the quality of tests and the establishment of standards for test design. As individual researchers and teams of psychologists continue to design instruments to meet current needs, the high quality of these newer tests can be attributed to the improvements and refinements made over the years and to the increased knowledge of test design and validation (Cronbach, 1990).

✓ Check Your Understanding **1.4**
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Head Start and the War on Poverty

Prior to the 1960s, medical doctors, psychologists, and other professionals serving children developed tests for use with infants and preschool children. Developmental measures, IQ tests, and specialized tests to measure developmental deficits were generally used for noneducational purposes. Child study researchers tended to use observational or unobtrusive methods to study the individual child or groups of children. School-age children were assessed to measure school achievement, but this type of test was rarely used with preschool children.

After the federal government decided to improve the academic performance of children from low-income homes and those from non-English-speaking backgrounds, test developers moved quickly to design new measurement and evaluation instruments for these preschool and school-age populations.

In the late 1950s, there was concern about the consistently low academic performance of children from poor homes. As researchers investigated the problem,

national interest in improving education led to massive funding for many programs designed to reduce the disparity in achievement between poor and middle-class children. The major program that involved preschool children was Head Start. Models of early childhood programs ranging from highly structured academic, child-centered developmental approaches to more traditional nursery school models were designed and implemented throughout the United States (White, 1973; Zigler & Valentine, 1979). Developers of Head Start programs were influenced by the work of Urie Bronfenbrenner, one of the cofounders of Head Start, who studied the impact of environments on children's development and learning (Bronfenbrenner, 2004). The emphasis on family involvement in Head Start was largely due to Bronfenbrenner's work (1995; 2004).

All programs funded by the federal government had to be evaluated for effectiveness. As a result, new measures were developed to assess individual progress and the programs' effectiveness (Laosa, 1982). The quality of these measures was uneven, as was comparative research designed to examine the overall effectiveness of Head Start. Nevertheless, the measures and strategies developed for use with Head Start projects added valuable resources for the assessment and evaluation of young children (Hoepfner, Stern, & Nummedal, 1971).

Other federally funded programs developed in the 1960s, such as bilingual programs, Title I, the Emergency School Aid Act, Follow Through, and Home Start, were similar in effect to Head Start. The need for measurement strategies and assessment tools to evaluate these programs led to the improvement of existing tests and the development of new ones to evaluate their success accurately.

Watch this **video** to see a historical overview of the past 45 years of Head Start since its inception. (www.youtube.com/watch?v=m0pNIACUXkI)

Legislation for Young Children with Disabilities

PL 94-142

Perhaps the most significant law affecting the measurement of children was Public Law (PL) 94-142, the Education for All Handicapped Children Act, passed by Congress in 1975. This law mandated that all children ages 6–21 with special needs receive services within public schools. The law further required the use of nondiscriminatory testing and evaluation of these children.

PL 99-457

Many of the shortcomings of PL 94-142 for young children were addressed in PL 99-457 (Education of the Handicapped Act Amendments), passed in 1986. The newer law authorized two new programs: the Preschool Grant Program, mandated for children 3 to 5 years old, and the Early Intervention State Grant Program for infants and toddlers. Under PL 94-142, the state could choose whether to provide services to children with disabilities between ages 3 and 5. Under PL 99-457, states had to prove they were meeting the needs of all these children with disabilities ages 3 to 21 if they wished to receive federal funds under PL 94-142. These two laws were later amended, combined, and renamed the Individuals with Disabilities Education Act (IDEA).

Individuals with Disabilities Education Improvement Act of 2004

The U.S. Congress reauthorized the Education for All Children Act of 1975 in 1997 (IDEA). The reauthorization of the 1997 law required special education students to participate in state tests, and states were to report results of those tests to the public. Many states were slow to comply with the law, and there were no consequences for

states that did not comply. The most recent amendments to IDEA were passed in December 2004, called the Individuals with Disabilities Education Improvement Act of 2004 (IDEA, 2004). Final regulations were published in 2006 that included Part B for children ages 3 to 21 and, in September 2011, Part C regulations for infants and toddlers (National Dissemination Center for Children with Disabilities, 2012).

IDEA 2004 guarantees all children 3 to 21 years old with disabilities the right to a free, appropriate public education and placement in the least restrictive learning environment under the Part B program. This means that preschool services must also be provided for children under age 6. For these children, the public schools have the legal responsibility for implemented early childhood programs for children with disabilities, whether the services take place in a public school or another setting such as private child care centers or Head Start (Guralnick, 1982; Spodek & Saracho, 1994; U.S. Congress, 2004).

The law also includes the Part C Program or Early Intervention Program, ensuring early intervention services for all children with disabilities from birth through age 2 and their families. All participating states must provide intervention services for every eligible child (McCollum & Maude, 1993; Meisels & Shonkoff, 1990; Shackelford, 2006).

The implications of these laws were far reaching. Testing, identification, and placement of students with intellectual disabilities and other disabilities were difficult. Existing tests were no longer considered adequate for children with special needs. Classroom teachers had to learn the techniques used to identify students with disabilities and determine how to meet their educational needs (Kaplan & Saccuzzo, 1989). Measures had to be revised or developed to assess infants, toddlers, and preschool children.

▶ Watch this **video** to learn about the purpose of inclusion and the development of Individuals with Disabilities Education Act (IDEA). (www.youtube.com/watch?v=0jFRHRVv7Mo)

✔ Check Your Understanding **1.5**
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One Family's Experience with Head Start

Rosa is a graduate of the Head Start program. For 2 years, she participated in a class housed in James Brown School, a former inner-city school that had been closed and remodeled for other community services. Two Head Start classrooms were in the building, which was shared with several other community agencies serving low-income families. In addition to learning at James Brown School, Rosa went on many field trips, including trips to the zoo, the botanical garden, the public library, and a nearby McDonald's restaurant.

This year Rosa is a kindergarten student at West Oaks Elementary School with her older brothers, who also attended Head Start. Next year, Rosa's younger sister, Luisa, will begin the program. Luisa looks forward to Head Start. She has good memories of the things she observed Rosa doing in the Head Start classroom while visiting the school with her mother.

Luisa's parents are also happy that she will be attending the Head Start program. Luisa's older brothers are good students, which they attribute to the background they received in Head Start. From her work in kindergarten, it appears that Rosa will also do well when she enters first grade.

The law requires that a team of teachers, parents, diagnosticians, school psychologists, medical personnel, specialists (e.g., occupational or physical therapists), school administrators, and perhaps social workers or representatives of government agencies or institutions be used to determine eligibility and placement of children with disabilities. When appropriate, the child must also be included in the decision-making process. Once a child is determined to be eligible for the Part C program (for infants and toddlers) or the Part B program (for children 3 to 21 years of age), an individualized plan is developed by the team. For infants and toddlers, this plan is called the Individualized Family Services Plan (IFSP). For children in the Part B program, it is called the Individualized Education Program (IEP).

Mainstreaming, LRE, Inclusion, and Natural Environments

The term **mainstreaming** came to define the requirement that the child be placed in the **least restrictive environment (LRE)**. This meant that as often as possible, the child would be placed with children developing normally, rather than in a segregated classroom for students in special education. How much mainstreaming was beneficial for the individual student? The question was difficult to answer. In addition, the ability of teachers to meet the needs of students with and without disabilities simultaneously in the same classroom is still debated. Nevertheless, classroom teachers were expected to develop and monitor the educational program prescribed for students with disabilities (Clark, 1976).

The PL 94-142 amendments required that the individual educational needs of young children with disabilities must be met in all early childhood programs (Deiner, 1993; McCollum & Maude, 1993; Wolery, Strain, & Bailey, 1992). These laws advance the civil rights of young children and have resulted in the inclusion of young children with disabilities in preschool and school-age programs. As a result, the concept of mainstreaming is being replaced by integration, or **inclusion**, whereby all young children learn together with the goal that the individual needs of all children will be met (Krick, 1992; Wolery & Wilbers, 1994). The efforts of these programs and their services must be assessed and evaluated to determine whether the needs of children are being met effectively (Early Head Start National Resource Center, 2011).

More recently, the term **inclusion** is used, rather than mainstreaming, to represent the full inclusion of children with disabilities of all ages and in all types of community settings. In 2009, the Division of Early Childhood and the National Association for the Education of Young Children issued a joint statement that emphasizes the importance of including young children with special needs in all aspects of society:

> Early childhood inclusion embodies the values, policies, and practices that support the right of every infant and young child and his or her family, regardless of ability, to participate in a broad range of activities and contexts as full members of families, communities, and society. The desired results of inclusive experiences for children with and without disabilities and their families include a sense of belonging and membership, positive social relationships and friendships, and development and learning to reach their full potential. The defining features of inclusion that can be used to identify high quality early childhood programs and services are access, participation, and supports. (p. 2)

The term inclusion for infants and toddlers means early intervention services should be provided in the most *natural environment.* Natural environments may include a child's home, child care center, or any other setting in which infants and toddlers typically participate.