Recommended Curriculum Guidelines for Family Medicine Residents

Care of Infants and Children

This document was endorsed by the American Academy of Family Physicians (AAFP).

Introduction

This Curriculum Guideline defines a recommended training strategy for family medicine residents. Attitudes, behaviors, knowledge, and skills that are critical to family medicine should be attained through longitudinal experience that promotes educational competencies defined by the Accreditation Council for Graduate Medical Education (ACGME), www.acgme.org. The family medicine curriculum must include structured experience in several specified areas. Much of the resident’s knowledge will be gained by caring for ambulatory patients who visit the family medicine center, although additional experience gained in various other settings (e.g., an inpatient setting, a patient’s home, a long-term care facility, the emergency department, the community) is critical for well-rounded residency training. The residents should be able to develop a skillset and apply their skills appropriately to all patient care settings.

Structured didactic lectures, conferences, journal clubs, and workshops must be included in the curriculum to supplement experiential learning, with an emphasis on outcomes-oriented, evidence-based studies that delineate common diseases affecting patients of all ages. Patient-centered care, and targeted techniques of health promotion and disease prevention are hallmarks of family medicine and should be integrated in all settings. Appropriate referral patterns, transitions of care, and the provision of cost-effective care should also be part of the curriculum.

Program requirements specific to family medicine residencies may be found on the ACGME website. Current AAFP Curriculum Guidelines may be found online at
www.aafp.org/cg. These guidelines are periodically updated and endorsed by the AAFP and, in many instances, other specialty societies, as indicated on each guideline.

Please note that the term “manage” occurs frequently in AAFP Curriculum Guidelines. “Manage” is used in a broad sense to indicate that the family physician takes responsibility for ensuring that optimal, complete care is provided to the patient. This does not necessarily mean that all aspects of care need to be directly delivered personally by the family physician. Management may include appropriate referral to other health care providers, including other specialists, for evaluation and treatment.

Each residency program is responsible for its own curriculum. This guideline provides a useful strategy to help residency programs form their curricula for educating family physicians.

Preamble

Family physicians must develop knowledge and skills appropriate to manage medical, physical, social, and emotional problems in patients of all ages, including infants and children. Family physicians have a unique opportunity to treat all members of the family and to appreciate the influence that family members and siblings have on an individual infant or child. It is the responsibility of the family physician to monitor the development of each child so that the child can reach his or her full potential, and to improve the health of children and families in the community in a proactive and responsive manner.

Competencies

At the completion of residency training, a family medicine resident should be able to:

- Demonstrate the ability to take an age-appropriate history and perform a physical examination (Patient Care, Medical Knowledge)
- Perform health promotion (i.e., well-child care) visits at recommended ages based on nationally recognized periodicity schedules (e.g., Bright Futures, Guidelines for Adolescent Preventive Services [GAPS]) (Patient Care, Medical Knowledge)
- Synthesize an appropriate diagnosis and treatment plan for common pediatric conditions in both the outpatient and inpatient settings (Patient Care, Medical Knowledge)
- Demonstrate the ability to communicate effectively with the patient, as well as the patient’s family and caregivers, to ensure the development and clear understanding of an appropriate, acceptable diagnosis and treatment plan (Interpersonal and Communications Skills)
- Recognize his or her own practice limitations and seek consultation with other health care professionals and resources when necessary to provide optimal patient care (Professionalism, Systems-based Practice)
• Demonstrate the ability to communicate effectively and coordinate care of children who have chronic conditions (including mental health conditions) with families and community resources (Interpersonal and Communications Skills, Systems-based Practice)

Attitudes and Behaviors

The resident should demonstrate attitudes and behaviors that encompass:
• Empathic concern for the health of the child in the context of the family
• The importance of continuity and access to care for prevention and treatment of acute and chronic illness, including mental health conditions
• Promotion of healthy lifestyles for children and families
• Support for parents in transitioning to new roles and responsibilities as children develop
• Awareness of unique vulnerabilities of infants and children that may require special attention, consultation, and/or referral
• Awareness of social, cultural, and environmental factors that impact the health and well-being of infants and children
• The importance of educating the public about environmental factors that can adversely affect children
• Development of community programs to promote the health of children
• The importance of obtaining and utilizing information about school performance and learning disabilities in order to assist in the creation of a management plan

Knowledge

In the appropriate setting, the resident should demonstrate the ability to apply knowledge of the following:

1. Perinatal and neonatal conditions including:
   a. The impact of prenatal and perinatal risk factors, as outlined in AAFP Curriculum Guideline No. 261 – Maternity Care
   b. Effects of labor and delivery on the infant
   c. Physiologic adaptations to extraterine life
   d. Gestational age assessment (Ballard score)
   e. Screening
      i. Newborn metabolic screen (state specific)
      ii. Critical congenital heart defect screen
iii. Newborn hearing screen

f. Diagnosis and role-appropriate management of:
   i. Meconium-stained amniotic fluid
   ii. Perinatal asphyxia
   iii. Respiratory distress
   iv. Cyanosis
   v. Apnea
   vi. Bradycardia
   vii. Seizures
   viii. Hypoglycemia
   ix. Possible sepsis
   x. Developmental dysplasia of the hip
   xi. Birth-related injuries
   xii. Neonatal abstinence syndrome (in utero drug exposure)
   xiii. Anemia
   xiv. Rh factor and blood type incompatibility
   xv. Polycythemia
   xvi. Jaundice
   xvii. Premature and post-date gestations
   xviii. Congenital and neonatal infections
   xix. Maternal factors: infections (e.g., HIV, hepatitis); medical conditions (e.g., diabetes, hypertension)

2. Well-newborn and well-child care including:
   a. Recommended schedule and content of examinations from birth to adolescence
   b. Anticipatory guidance appropriate to age and developmental stage
      i. Breastfeeding including:
         1) Early bonding
         2) Impact of maternal medication use, substance use/abuse, and maternal conditions
         3) Common breastfeeding problems
         4) Importance of social supports and cultural issues
      ii. Nutrition, including feeding options and variations
      iii. Temperament, developmental crying, and behavior
      iv. Developmental stages and milestones
      v. Family and social relationships
      vi. Effective parenting
      vii. Child abuse and neglect prevention
      viii. Injury prevention
      ix. Social determinants of health
      x. School readiness (including school failure, bullying, social media, and peer pressure)
      xi. Sleep problems
      xii. Physical activity and exercise
      xiii. Use of over-the-counter (OTC) medications and complementary and alternative medicine (CAM)
c. Physical growth
   i. Feeding strategies
   ii. Growth and caloric requirements
   iii. Nutritional supplementation
   iv. Normal growth and variants, including dental development
   v. Failure to thrive
   vi. Obesity
   vii. Sexual development and sexual maturity rating
   viii. Reproductive health maintenance and health promotion

d. Current immunization schedule

e. Screening appropriate to age
   i. Fluoride varnish and oral health
   ii. Hemoglobin/ hematocrit for anemia
   iii. Lead
   iv. High-risk children (e.g., lipids, tuberculosis [TB], other infectious diseases)
   v. Development (Ages and Stages Questionnaire)
   vi. Vision and hearing
   vii. Hypertension
   viii. Depression
   ix. Alcohol and drug use
   x. Sexual behavior and sexually transmitted infections (STIs), including HIV
   xi. Physical, psychological, and sexual abuse
   xii. Other environmental health issues: actinic damage, media exposure, violence

3. Psychological disorders including:

   a. Families with high risk for parent-child interaction problems, dysfunction, or psychiatric problems

   b. Evaluation, treatment, and/or referral for:
      i. Anxiety disorders
      ii. Bipolar disorder and related disorders
      iii. Depressive disorders (including disruptive mood dysregulation disorder)
      iv. Developmental and psychological issues of LGBTQ youth
      v. Disruptive behavior, impulse control, and conduct disorders
      vi. Elimination disorders
      vii. Feeding and eating disorders
      viii. Neurodevelopmental disorders
         1) Attention-deficit/hyperactivity disorder (ADHD)
         2) Autism spectrum disorder
         3) Intellectual development disorder
         4) Learning disorders
         5) Tic disorders
      ix. Obsessive-compulsive disorder and related disorders
      x. Psychiatric emergencies (including suicidality)
      xi. Psychotic disorders
      xii. Sleep-wake disorders
      xiii. Somatic symptom disorder and related disorders
xiv. Trauma- and stressor-related disorders

4. Social and ethical issues including:
   a. Adoption and foster care
   b. Child physical abuse and neglect, sexual abuse, sexual assault and trafficking
   c. Divorce, separation, death, and dying
   d. Initiating, withholding and withdrawing life support
   e. Family violence and/or drug/alcohol abuse
   f. LGBTQ issues
   g. Non-traditional families
   h. Refugee and immigrant status

5. Children with chronic conditions including:
   a. Genetic disorders
      i. Common chromosomal abnormalities
      ii. Screening issues (including ethical, legal, and social implications)
      iii. Appropriate referral for necessary genetic diagnosis and counseling
   b. Children with special needs or developmental delays
   c. Cancer survivors
   d. Premature infants
      i. Chronic lung disease
      ii. Gestational age correction for growth and development
      iii. Nutrition

6. Evaluation and management of common signs and symptoms that present in the context of acute medical care in the inpatient or outpatient setting
   a. Categories of symptoms and conditions
      i. General
         1) Brief resolved unexplained event (BRUE)
         2) Constitutional symptoms
         3) Fever in the vaccinated vs. unvaccinated patient
            a) <30 days
            b) ≥30 days to 90 days
            c) ≥90 days to <3 years
         4) Fever of unknown origin
         5) Altered mental status, including fussiness/irritability and lethargy/ fatigue
         6) Sleep disturbances
      ii. Allergic
         1) Anaphylaxis
         2) Angioedema
         3) Drug allergy
         4) Food allergy
         5) Rhinitis
         6) Stevens-Johnson syndrome/toxic epidermal necrolysis
iii. Cardiovascular
   1) Cardiomyopathy
   2) Chest pain
   3) Congenital heart disease
   4) Endocarditis
   5) Heart failure
   6) Hypertension
   7) Murmurs

iv. Dermatologic
   1) Acne
   2) Atopic dermatitis/eczema
   3) Burns
   4) Edema
   5) Impetigo
   6) Molluscum
   7) Purpura
   8) Rashes
   9) Skin/soft tissue infection
      a) Cellulitis
      b) Abscess
   10) Tinea
   11) Urticaria
   12) Viral exanthema
   13) Warts

v. Eye, ear, nose, and throat (EENT)
   1) Chalazion
   2) Conjunctivitis
   3) Dacryocystitis
   4) Deep neck space infections (e.g., retropharyngeal abscess, peritonsillar abscess, adenitis)
   5) Dental caries and abscess
   6) Hordeolum
   7) Laryngomalacia
   8) Orbital and periorbital cellulitis
   9) Otitis media, mastoiditis
   10) Pharyngitis
   11) Red eye
   12) Sinusitis
   13) Strabismus
   14) Visual changes

vi. Endocrine/Metabolic
   1) Acid-base disorders
   2) Adrenal disorders
   3) Diabetes insipidus
   4) Diabetes mellitus
      a) Type 1
      b) Type 2
c) Diabetic ketoacidosis (DKA)
d) Nonketotic hyperosmolar coma
5) Electrolyte disorders
6) Growth failure/delay
7) Inborn errors of metabolism
8) Precocious or delayed puberty
9) Thyroid disease

vii. Gastrointestinal
1) Abdominal pain
2) Appendicitis
3) Bilious emesis
4) Bloody stool
5) Celiac disease
6) Cholecystitis
7) Colic
8) Diarrhea, chronic
9) Food intolerance, malabsorption
10) Gastroenteritis/vomiting/diarrhea
11) Gastroesophageal reflux disease (GERD)
12) Hepatitis
13) Hernia
14) Inflammatory bowel disease (IBD) and irritable bowel syndrome (IBS)
15) Intussusception
16) Jaundice (non-neonatal)
17) Meckel diverticulum
18) Pancreatitis
19) Pyloric stenosis

viii. Gynecologic
1) Imperforate hymen
2) Menstrual disorders
3) Pelvic inflammatory disease (PID)
4) Sexual assault
5) STI
6) Vaginitis/vaginal discharge

ix. Hematologic
1) Anemias
2) Bleeding diatheses, including hemophilia
3) Hemoglobinopathies
4) Lymphadenopathy
5) Sickle cell disease, including crisis and appropriate prophylaxis
6) Thrombocytopenia
7) Thrombophilias
8) Venous thromboembolism

x. Immunologic/Rheumatologic
1) Dermatomyositis
2) Immunodeficiency (including HIV)
3) Juvenile idiopathic arthritis (JIA) and other arthritides
4) Rheumatic fever
5) Systemic lupus erythematosus (SLE)
6) Vasculitis
   a) Henoch-Schönlein purpura (HSP)
   b) Kawasaki disease (KD)
   c) Granulomatosis with polyangiitis (formerly Wegener syndrome)
   d) Other
7) Autoinflammatory disorder (e.g., periodic fever, aphthous stomatitis, pharyngitis, cervical adenitis [PFAPA])

xi. Infectious diseases
1) Bacteremia
2) Central line infection
3) Community-acquired pneumonia
4) HIV
5) Late presentation of congenital infections (cytomegalovirus [CMV], syphilis)
6) Lyme disease and other tick-borne illnesses
7) Meningitis
8) Osteomyelitis/septic arthritis
9) Prophylaxis for patients with history of certain conditions (e.g., endocarditis, sickle cell, HIV)
10) Sepsis
11) Skin and soft tissue infections (e.g., cellulitis, abscess)
12) Tuberculosis (TB)
13) Local/regional differences in prevalence of infectious diseases, emerging infections, and antimicrobial resistance patterns

xii. Musculoskeletal/Orthopedic
1) Aseptic necrosis of the femoral head (Legg-Calve-Perthes)
2) Growing pains
3) Developmental dysplasia of the hip (DDH)
4) Limp
5) Muscular dystrophy
6) Nursemaid’s elbow
7) Slipped capital femoral epiphysis (SCFE)
8) Sprains, dislocations, and fractures, including patterns suspicious for abuse
9) Toxic synovitis

xiii. Neurologic
1) Altered mental status/encephalopathy
2) Developmental delay
3) Diplopia/visual disturbance
4) Encephalitis
5) Guillain-Barré syndrome
6) Headache
7) Hearing concerns
8) Hypotonia/weakness
9) Hypertonia
10) Infant and foodborne botulism
11) Learning disabilities
12) Meningitis
13) Seizure
14) Stroke
15) Syncope
16) Traumatic brain injury

xiv. Nutrition
1) Failure to thrive
2) Malnutrition
3) Obesity prevention, treatment, and complications

xv. Oncologic
1) Abdominal mass
2) Brain tumors
3) Leukemias
4) Lymphomas
5) Neuroblastoma
6) Retinoblastoma
7) Tumor lysis syndrome
8) Wilms tumor

xvi. Renal/Urologic
1) Glomerulonephritis
2) Hematuria
3) Hemolytic uremic syndrome
4) Nephrolithiasis
5) Proteinuria/nephrotic syndrome
6) Scrotal mass, pain, erythema, or edema
7) Urinary frequency
8) Urinary tract infection (UTI)/pyelonephritis
9) Vesicoureteral reflux

xvii. Respiratory
1) Apnea
2) Asthma
3) Bronchiolitis
4) Croup
5) Cystic fibrosis
6) Epiglottitis
7) Pertussis
8) Pneumonia
9) Bacterial tracheitis
10) Upper respiratory illness (URI)

xviii. Toxicology
1) Drugs of abuse
2) Heavy metal poisoning
3) Overdose – acetaminophen, diphenhydramine, nonsteroidal anti-inflammatory drugs (NSAIDs), selective serotonin reuptake inhibitors (SSRIs), etc.
Skills

In the appropriate setting, the resident should know at a minimum the indications, contraindications, and steps required/process of the procedures listed below. They should demonstrate the ability to appropriately perform the following skills as applicable and (when relevant) obtain informed consent, and maintain universal precautions and/or sterile technique. The resident should also understand when and how to appropriately refer patients.

1. Newborn care
   a. Apgar score assignment
   b. Circumcision
   c. Frenotomy (i.e., tongue-tie snipping) for true ankyloglossia in the newborn
   d. Resuscitation of newborns/ Neonatal Resuscitation Program (NRP)/Neonatal Advanced Life Support (NALS)

2. Well care
   a. Age-appropriate history and physical examination (including pre-participation physical examination)
      i. Use of appropriate growth charts (e.g., World Health Organization [WHO] <2 years, Centers for Disease Control and Prevention [CDC] >2 years, Down syndrome)
      ii. Calculation of body mass index (BMI)
   b. Bladder catheterization
   c. Cerumen removal
   d. Coordination of patient care and specialty services, when required
   e. Hearing and vision screening test interpretation
   f. Interpretation of radiologic or other diagnostic studies (e.g., spirometry, electrocardiogram [EKG])
   g. Performance of developmental surveillance, as well as administration and interpretation of developmental screening tests (e.g., Modified Checklist for Autism in Toddlers [M-CHAT], Childhood Autism Rating Scale [CARS])
   h. Pneumatic otoscopy and tympanograms (including interpretation)
   i. Psychosocial/behavioral questionnaire administration and interpretation (e.g., Conners and Vanderbilt for ADHD; Pediatric Symptom Checklist [PSC] for cognitive, emotional, and behavioral problems)
   j. Subcutaneous and intramuscular injections
   k. Vascular access and blood sampling
3. Acute care
   a. Anesthesia
      i. Local
      ii. Regional
   b. Biopsy or destruction of skin lesion
   c. Bladder catheterization
   d. Casting and splinting
   e. Chest physiotherapy
   f. Conscious sedation
   g. EKG interpretation
   h. Eye exam
      i. Fluoroscein/Wood’s lamp
   i. Foreign body removal – skin or orifice
   j. Gastric tube placement (orogastric [OG] or nasogastric [NG])
   k. History and physical for physical or sexual abuse
   l. Incision and drainage of abscess
   m. Intravenous (IV) fluid calculations: maintenance, replacement, electrolytes, blood
   n. Laboratory test interpretation (complete blood count [CBC], chemistries, renal
      function, hepatic function, inflammatory markers, coagulation studies, blood
      gases, urinalysis, cerebrospinal fluid [CSF] analysis, wet prep, stool studies,
      bacterial/viral/fungal studies)
   o. Laceration repair
      i. Staple
      ii. Suture
      iii. Tissue adhesive
   p. Lumbar puncture
   q. Management of acute diagnosis/diagnoses in the presence of comorbid
      conditions
   r. Medication delivery: intramuscular (IM)/subcutaneous
      (SC)/IV/rectal/inhaled/intranasal/buccal
   s. Nail removal
   t. Radiographic interpretation
   u. Reduction of dislocations
   v. Resuscitation of infants and children/ Pediatric Advanced Life Support (PALS)/
      Advanced Pediatric Life Support (APLS)
   w. Spirometry interpretation
   x. Subungal hematoma drainage
y. Suctioning: nares, nasopharynx

z. Universal precautions

aa. Vascular access
   i. Intraosseous (IO)
   ii. IV

bb. Vital signs: interpretation, appropriate monitoring modalities

cc. Wound care/dressing management

Implementation

This curriculum should be taught during both focused and longitudinal experiences throughout the residency program. Physicians who have demonstrated skills in caring for children should be available to act both as role models and information resources for the residents and should be available to give support and advice to individual residents regarding the evaluation and treatment of their patients. Each family medicine resident’s panel of patients should include pediatric patients to meet current ACGME requirements.

Resources


**Website Resources**

Academic Pediatric Association. [www.ambpeds.org](http://www.ambpeds.org)

American Academy of Family Physicians. *FP Essentials*. (Monographs published monthly. Available by subscription to residency programs and residents.) [www.aafp.org/cme/subscriptions/fp-essentials/editions.html?contentpar_gridblock_5_twocolumn_0_left_listimage_start=3](http://www.aafp.org/cme/subscriptions/fp-essentials/editions.html?contentpar_gridblock_5_twocolumn_0_left_listimage_start=3)

American Academy of Pediatrics. [www.aap.org](http://www.aap.org)

Bright Futures. [www.brightfutures.org](http://www.brightfutures.org)
Centers for Disease Control and Prevention. [www.cdc.gov](http://www.cdc.gov)


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Revised 08/16 by STFM Group on Care of Infants and Children
About USBC

The United States Breastfeeding Committee (USBC) is an independent nonprofit coalition of more than 40 nationally influential professional, educational, and governmental organizations. Representing over half a million concerned professionals and the families they serve, USBC and its member organizations share a common mission to improve the Nation's health by working collaboratively to protect, promote, and support breastfeeding. For more information on USBC, visit www.usbreastfeeding.org.

Background

Breastfeeding is a basic and cost-effective measure that has a significant positive impact on short- and long-term health outcomes for individuals and populations. \(^1\) The greatest health impact is found with early initiation, exclusive breastfeeding for the first six months of life, and continued breastfeeding with appropriate complementary foods for the first year of life and beyond. \(^2\) Lack of breastfeeding is a significant risk to the public health of our nation and increases health care spending. \(^3\)

In order to establish and maintain breastfeeding, women need education and support from a knowledgeable health care community. \(^4\) Evidence-based knowledge, skills, and attitudes are lacking among health professionals in many disciplines. \(^5\) The volume of new information, advances in treatments and technologies, and health care system challenges, combined with the relative paucity of professional training in human lactation and breastfeeding, leave many providers without satisfactory answers for their patients. \(^6\) \(^7\)

Purpose

These core competencies in breastfeeding care and services were developed to provide health professionals with a guideline and framework to integrate evidence-based breastfeeding knowledge, skills, and attitudes into their standard health care delivery practices.

The United States Breastfeeding Committee recommends that all health professionals possess the core competencies identified in this document in order to integrate breastfeeding care effectively and responsibly into current practice and thus provide effective and comprehensive services to mothers, children, and families.

Effecting Change

Educators are in a unique position to lead the way by incorporating these core competencies into the undergraduate, graduate, and post-graduate curricula of health professionals. \(^8\) \(^9\) \(^10\) \(^11\) These core competencies provide a structure for educators to respond to the emerging necessity of educating all health care providers regarding breastfeeding and human lactation in the context of findings from the World Health Organization (WHO) \(^12\) and the Agency for Healthcare Research and Quality (AHRQ). \(^13\)

Maternal and child health (MCH) education and practice is based upon a life cycle framework that recognizes that there are pivotal periods in human development that present both risks and opportunities for improving health outcomes for individuals and populations. \(^14\) In particular,
USBC calls upon MCH leaders to emphasize the synergistic value of these breastfeeding core competences to the health of women, children, and families.

Breastfeeding Core Competencies

Competence in the following areas represents the minimal knowledge, skills, and attitudes necessary for health professionals from all disciplines to provide patient care that protects, promotes, and supports breastfeeding.

At a minimum, every health professional should understand the role of lactation, human milk, and breastfeeding in:

- The optimal feeding of infants and young children\(^3\)\(^{15}\)
- Enhancing health and reducing:
  - long-term morbidities in infants and young children\(^2\)\(^{15}\)
  - morbidities in women\(^15\)\(^{16}\)

All health professionals should be able to facilitate the breastfeeding care process by:

- Preparing families for realistic expectations
- Communicating pertinent information to the lactation care team\(^17\)
- Following up with the family, when appropriate, in a culturally competent manner after breastfeeding care and services have been provided\(^18\)

USBC proposes to accomplish this by recommending that health professional organizations:

- Understand and act upon the importance of protecting, promoting, and supporting breastfeeding as a public health priority\(^2\)\(^3\)\(^{16}\)\(^{19}\)\(^{20}\)
- Educate their practitioners to:
  - appreciate the limitations of their breastfeeding care expertise\(^17\)\(^{21}\)
  - know when and how to make a referral to a lactation care professional\(^17\)\(^{21}\)
- Regularly examine the care practices of their practitioners and establish core competencies related to breastfeeding care and services\(^20\)\(^22\)

Knowledge_________

All health professionals should understand the:

- 1.1 basic anatomy and physiology of the breast\(^8\)\(^{23}\)
- 1.2 role of breastfeeding and human milk in maintaining health and preventing disease\(^2\)\(^{15}\)
- 1.3 importance of exclusive breastfeeding, and its correlation with optimal health outcomes\(^15\)\(^{24}\)
- 1.4 impact of pregnancy, birth, and other health care practices on breastfeeding outcomes\(^19\)\(^{25}\)
- 1.5 role of behavioral, cultural, social, and environmental factors in infant feeding decisions and practices\(^26\)\(^{27}\)
- 1.6 potentially adverse outcomes for infants and mothers who do not breastfeed\(^28\)
- 1.7 potential problems associated with the use of human milk substitutes\(^29\)
- 1.8 few evidence-based contraindications to breastfeeding\(^30\)\(^{31}\)
- 1.9 indications for referral to lactation services\(^17\)
1.10 resources available to assist mothers seeking breastfeeding and lactation information or services
1.11 effects of marketing of human milk substitutes on the decision to breastfeed and the duration of breastfeeding

Skills
All health professionals should be able to:

2.1 practice in a manner that protects, promotes, and supports breastfeeding
2.2 gather breastfeeding history information sufficient to identify mothers and families who would benefit from specific breastfeeding support services
2.3 seek assistance from and refer to appropriate lactation specialists
2.4 safeguard privacy and confidentiality
2.5 effectively use new information technologies to obtain current evidence-based information about breastfeeding and human lactation

Attitudes
All health professionals should:

3.1 value breastfeeding as an important health promotion and disease prevention strategy
3.2 recognize and respect philosophical, cultural, and ethical perspectives influencing the use and delivery of breastfeeding care and services
3.3 respect the confidential nature of the provision of breastfeeding care and services
3.4 recognize the importance of delivering breastfeeding care and services that are free of commercial conflict of interest or personal bias
3.5 understand the importance of tailoring information and services to the family’s culture, knowledge, and language level
3.6 seek coordination and collaboration with interdisciplinary teams of health professionals
3.7 recognize the limitations of their own lactation knowledge and breastfeeding expertise
3.8 recognize when personal values and biases may affect or interfere with breastfeeding care and services provided to families
3.9 encourage workplace support for breastfeeding
3.10 support breastfeeding colleagues
3.11 support family-centered policies at federal, state, and local levels

All health professionals do not need to have the level of competence expected of those practitioners who care for childbearing women, infants, and young children. Health professionals who care for childbearing women, infants, and young children can be further divided into two groups:

1. Those that provide primary care are front-line practitioners who care for women of childbearing age and/or infants and young children.
2. Those that provide secondary care may be front-line practitioners or practitioners with enhanced knowledge and skills specifically referable to the use of human milk and breastfeeding.

Those health professionals who provide primary and secondary care for childbearing women, infants, and young children should be able to:

4.1 understand the evidence-based Ten Steps to Successful Breastfeeding
4.2 obtain an appropriate breastfeeding history
4.3 provide mothers with evidence-based breastfeeding information  
4.4 use effective counseling skills  
4.5 offer strategies to address problems and concerns in order to maintain breastfeeding  
4.6 know how and when to integrate technology and equipment to support breastfeeding  
4.7 collaborate and/or refer for complex breastfeeding situations  
4.8 provide and encourage use of culturally appropriate education materials  
4.9 share evidence-based knowledge and clinical skills with other health professionals  
4.10 preserve breastfeeding under adverse conditions

In addition, those health professionals who provide secondary or more direct “hands-on” care for childbearing women, infants, and young children should also be able to:

5.1 assist in early initiation of breastfeeding  
5.2 assess the lactating breast  
5.3 perform an infant feeding observation  
5.4 recognize normal and abnormal infant feeding patterns  
5.5 develop and appropriately communicate a breastfeeding care plan

References


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