

NATIONAL CENTER ON BIRTH DEFECTS AND DEVELOPMENTAL DISABILITIES (CF)

The mission of the National Center on Birth Defects and Developmental Disabilities (NCBDDD) is to improve the health of children and adults by preventing birth defects and developmental disabilities, and complications of hereditary blood disorders; promoting optimal child development, and the health and wellness among children and adults living with disabilities and those living with or at risk of genetic disorder across the lifespan. NCBDDD strives to prevent disease save healthcare costs and reduce health disparities in the United States. In carrying out this mission, this organization: (1) Conducts public health research, epidemiological investigations, genomic research, laboratory research, demonstration projects and public health programs; (2) Plans, develops, establishes, and maintains systems of surveillance and monitoring the population for these conditions; (3) Operates regional centers for the conduct of applied epidemiological research on these conditions; (4) Provides information and education to healthcare providers, public health professionals, and the public on these conditions; (5) Provides technical assistance, consultation, capacity building through technology transfer, grants, cooperative agreements, contracts, and other means to state, local, international, and nonprofit organizations to prevent and control these conditions; (6) Provides training in the epidemiology of these conditions for healthcare professionals within and outside the United States; (7) Translates scientific findings into intervention, prevention, and health promotion strategies; (8) Conducts evaluations of programs to determine effectiveness; and (9) Coordinates activities with other CDC organizations and federal and non-federal health agencies, as appropriate. (Approved 6/28/2023)

Office of the Director (CF1)

(1) Directs, manages, and coordinates the activities of the NCBDDD; (2) Develops goals and objectives; provides leadership, policy formulation, scientific oversight, and guidance in program planning and development; (3) Coordinates NCBDDD program activities with other CDC components, federal agencies, state and local health agencies, business and industry, voluntary organizations, and community-based organizations; (4) Coordinates technical assistance to states, other nations and international organizations; (5) Coordinates with medical, scientific, and other professional organizations interested in birth defects prevention, genetics, developmental disabilities prevention, and disabilities and health, and prevention of complications of hereditary blood disorders; (6) Advises the CDC Director on policy matters concerning NCBDDD activities; (7) Oversees and coordinates the translation of scientific findings for health care providers, public health professionals, and the public on these conditions; (8) Ensures NCBDDD produces the highest quality, most relevant and useful science possible; (9) Oversees scientific clearance of NCBDDD documents and digital materials and coordinates cross-clearance of materials; (10) Provides information and guidance to the staff regarding scientific issues and provides scientific leadership for the center; (11) Provides ongoing communication leadership and support to NCBDDD's Office of the Director and divisions in furthering the Centers' mission; leads strategic planning for communications and branding of NCBDDD programs and projects; (12) Leads and oversees news media strategy and evaluation; (13) Facilitates clearance

and cross-clearance of NCBDDD print and digital materials, ensuring adherence to CDC and Department of Health and Human Services (DHHS) information and publication policies; (14) Reviews, prepares and coordinates policy and briefing documents; (15) Conducts monitoring and analysis of policy issues potentially affecting NCBDDD and its constituents; and (16) Provides information for the development of the NCBDDD's annual budget submission. (Approved 6/28/2023)

Resource Management Office (CF12)

(1) Plans, coordinates, and provides administrative and management advice and guidance for NCBDDD; (2) Provides and coordinates center-wide administrative, management, and support services in the areas of fiscal management, personnel, travel, procurement, facility management, and other administrative services; (3) Prepares annual budget plans and budget justifications; (4) Develops annual budget plans and budget justifications; (5) Monitors NCBDDD spend plans to ensure ceiling levels are at or below specified levels; (6) Coordinates NCBDDD requirements relating to contracts, grants, cooperative agreements, and reimbursable agreements; (7) Develops and implements administrative policies, procedures, and operations, as appropriate, for NCBDDD, and prepares special reports and studies, as required, in the administrative management areas; and (8) Maintains liaison with related staff offices and other officials of CDC on behalf of NCBDDD. (Approved 7/9/2019; Effective 6/28/2023)

Division of Birth Defects and Infant Disorders (CFB)

The Division of Birth Defects and Infant Disorders works to identify causes of birth defects and infant disorders through surveillance and public health research, and conducts prevention research and programs to improve health across the lifespan. This division: (1) Conducts epidemiological research to determine the causes and prevention of birth defects and developmental disabilities; (2) Maintains and expands support for state-based surveillance; (3) Evaluates the effectiveness of efforts to prevent birth defects and developmental disabilities; (4) Conducts and disseminates findings of epidemiologic research, investigations, demonstrations, and programs directed toward the prevention of selected adverse reproductive outcomes that are environmentally related; (5) Provides assistance to state and local health departments on community exposures to teratogenic, mutagenic, embryotoxic, other environmental agents, and genetic influences adversely interfering with normal growth and development. (6) Conducts research and epidemiologic studies to develop intervention programs to reduce alcohol and other substance exposed pregnancies and monitors infant outcomes to identify and better understand the needs and develop interventions to improve the trajectory for substance exposed infants; (7) Works closely with international organizations and entities in developing strategies and programs for reducing the number of birth defects and developmental disabilities; (8) Develops and evaluates prevention strategies and provides training, technical consultation, and assistance to States and localities in developing their capacity for planning, establishing, and maintaining surveillance and prevention programs; (9) Plans, develops, establishes, and maintains systems of surveillance including registries for monitoring, evaluating and disseminating information; (10) Assists in increasing the capacity of states, localities, international organizations, and non-governmental organizations to prevent and control birth

defects and developmental disabilities through training, technology transfer, grants, cooperative agreements, contracts, and other means; (11) Provides information and education to the public; (12) Provides services, consultation, technical assistance, and information to States, localities, other Federal agencies, international organizations, and other public and private organizations; (13) Provides training in the epidemiology to professionals throughout the U.S. and abroad; and (14) Collaborates and coordinates activities with other CIOs and HHS agencies.
(Approved 6/28/2023)

Office of the Director (CFB1)

(1) Manages, directs, and coordinates the research agenda and activities of the division; (2) Provides leadership and guidance on strategic planning, policy, program and project priority planning and setting, program management, and operations; (3) Establishes division goals, objectives, and priorities; (4) Monitors progress in implementation of projects and achievement of objectives; (5) Plans, allocates, and monitors resources; (6) Provides management, administrative, and support services, and coordinates with appropriate NCBDDD offices on program and administrative matters; (7) Provides liaison with other CDC organizations, other governmental agencies, international organizations, and other outside groups; (8) Provides support for internal scientific advisory groups; (9) Provides scientific leadership and guidance to the division to assure highest scientific quality and professional standards; and (10) Researches, identifies and executes prevention messaging and interventions to reduce adverse birth outcomes.
(Approved 7/9/2019; Effective 6/28/2023)

Birth Defects Monitoring and Research Branch (CFBB)

(1) Designs and conducts epidemiologic and genetic research to identify causes and risk factors of birth defects; (2) Conducts and evaluates interventions to improve infant and child health by preventing or reducing the adverse consequences of birth defects; (3) Designs and conducts surveillance of selected birth defects to identify rates, trends, and patterns of occurrence, and to evaluate the effectiveness of prevention programs; (4) Disseminates findings of studies to the scientific and public health communities, and to the general public; (5) Provides technical assistance to state and local agencies on surveillance of birth defects, epidemiologic research, prevention program design and evaluation, and prevention effectiveness research; (6) Funds and coordinates grant and cooperative agreement programs and other extramural activities to improve the knowledge base for the prevention of birth defects through surveillance, epidemiologic research, and applies research of preventive interventions; (7) Coordinates activities with other CDC functional units, HHS, other federal agencies, and appropriate private organizations regarding research and prevention programs for birth defects; (8) Works with international organizations in developing strategies for the prevention of birth defects; and (9) Disseminates findings of research through direct contact with health authorities, publication and distribution of special reports, publication in scientific and technical journals, conference presentations, and other appropriate means. (Approved 7/9/2019; Effective 6/28/2023)

Infant Outcomes Monitoring, Research and Prevention Branch (CFBC)

(1) Designs and conducts surveillance of preventable birth defects due to substance exposure during pregnancy, and emerging threats to mothers and babies; (2) Identifies and monitors major preconception, prenatal and perinatal risks, and protective factors for fetal alcohol spectrum disorders (FASD) and other prenatal alcohol and substance-attributable conditions and other threats to mothers and their babies; (3) Identifies rates, trends, and patterns of occurrence; (4) Modifies the impact of prenatal exposures leading to adverse physical and developmental impairments in infants, children, and adults including integrating successful prevention programs into social and medical environments, and evaluating innovative, effective, and strategic health promotion programs; (5) Develops, implements, evaluates, and disseminates education and communication interventions that lead to the prevention of birth defects and developmental disabilities; (6) Disseminates findings of epidemiologic studies to the scientific and public health communities, and to the general public; (7) Conducts prevention effectiveness research to evaluate interventions strategies for the prevention of birth defects and developmental disabilities; (8) Provides technical assistance to state and local agencies on surveillance, epidemiologic research, prevention program design and evaluation, and prevention effectiveness research; (9) Funds and coordinates grant and cooperative agreement programs and other extramural activities to improve the knowledge base for the prevention of birth defects and developmental disabilities through surveillance, epidemiologic research, and applies research of preventive interventions; (10) Coordinates activities with other CDC functional units, HHS, other federal agencies and appropriate private organizations regarding research and prevention programs for birth defects and developmental disabilities; (11) Works with international organizations in developing strategies for the prevention of birth defects and developmental disabilities; and (12) Disseminates finding of research through direct contact with health authorities, publication and distribution of special reports, publication in scientific and technical journals, conference presentations, and other appropriate means.

(Approved 7/9/2019; Effective 6/28/2023)

Division of Human Development and Disability (CFC)

The Division of Human Development and Disability works to help children and adults living with Autism, Attention Deficit Hyperactivity Disorder (ADHD), Tourette Syndrome (TS) and other developmental disabilities live to the fullest through better understanding developmental disabilities from early detection into adulthood. The division improves the health for children and adults with disabilities, in particular, people with mobility limitations, intellectual disability and hearing loss by informing disability health policy and practice, and dissemination of disability health inclusion resources. This division: (1) Designs and conducts surveillance of developmental disabilities to identify rates, trends, and patterns of occurrence, and to evaluate the effectiveness of prevention programs; (2) Conducts epidemiologic studies of developmental disabilities to identify causes and risk factors for these conditions; (3) Disseminates findings of

epidemiologic studies to the scientific and public health communities and to the general public; (4) Conducts applied research on public health aspects of normal and abnormal child development (e.g., early childhood, behavior problems in children); (5) Conducts research on interventions to prevent adverse child developmental outcomes; (6) Develops and disseminates information on public health aspects of normal and abnormal child development; (9) Conducts, analyzes, and disseminates surveillance data to identify the distribution of disabilities in state populations; health conditions that occur with greater frequency among people with disabilities; and risk and protective behaviors compared to people without disabilities; (10) Assists states and localities in developing their capacity for serving individuals with developmental and other disabilities (e.g., developing prevention strategies, providing training and technical consultation) to prevent secondary conditions; (11) Collaborates with universities, federal, national, and state organizations to identify and address knowledge and research gaps in developmental health and disability; (12) Collaborates with universities and other organizations to investigate environmental, social, and technological supports to promote inclusion; (13) Develops programs that seek to identify health risks, protective factors and measure the effectiveness of health promotion activities for prevention of conditions related to disability; and (14) Oversees and manages grants, cooperative agreements, contracts, and other funding instruments related to division programs. (Approved 7/9/2019; Effective 6/28/2023)

Office of the Director (CFC1)

(1) Provides leadership and guidance on strategic planning and implementation, program priority setting, and policy development, to advance the mission of the division, NCBDDD, and CDC; (2) Develops goals, objectives, and the budget; monitors progress and allocation of resources, and reports accomplishments, future directions, and resource requirements, (3) Facilitates scientific, policy and program collaboration among divisions and centers, and between CDC and other federal/non-federal partners; (4) Promotes advancement of science throughout the division, supports program evaluation, and ensures that research meets the highest standards in the field; (5) Provides medical expertise and consultation to planning, projects, policies and program activities; (6) Advises the NCBDDD Office of the Director on matters relating to human development and disability and coordinates division responses to requests for technical assistance or information on activities supported by the division; (7) Develops and produces communications tools and public affairs strategies to meet the needs of division programs and mission; and (8) Represents the division at official professional and scientific meetings, both within and outside of CDC. (Approved 4/20/2011; Effective 6/28/2023)

Child Development and Disability Branch (CFCB)

(1) Promotes optimal child development and early identification of children with developmental delays through assessing, developing, implementing, disseminating and supporting evidence-based practices, tools, and resources; (2) Helps children and adults with autism, ADHD, TS and other developmental disabilities live to the fullest by understanding preventable risk factors, opportunities for early intervention, and the effects of these disorders throughout the lifespan; (3) Designs and conducts surveillance of developmental disabilities to identify rates, trends, and patterns of occurrence, and to evaluate the effectiveness of prevention programs; (4) Conducts

epidemiologic studies of developmental disabilities to identify causes and risk factors for these conditions; (5) Disseminates findings of epidemiologic studies to the scientific and public health communities and to the general public; (6) Conducts prevention effectiveness research to evaluate interventions strategies for the prevention of developmental disabilities; (7) Conducts epidemiologic studies to identify and describe specific conditions and long-term outcomes of developmental disabilities; (8) Provides technical assistance to state and local agencies on surveillance of developmental disabilities, epidemiologic research, prevention program design and evaluation, and prevention effectiveness research; (9) Provides scientific leadership and technical assistance in the development, application, improvement and evaluation of public health activities, systems, and interventions supporting optimal child development, including those with or at risk for disabilities; (10) Coordinates and collaborates on recommendations for policy development at the federal and state levels and with the private sector to promote social participation and optimal child development, including those with or at risk for disabilities; (11) Conducts research to expand the knowledge base related to optimal early development and health of children with or at risk of disabilities, and investigates costs and effectiveness of intervention programs and systems; (12) Funds and coordinates grant and cooperative agreement programs and other extramural activities to improve the knowledge base for the prevention of developmental disabilities through surveillance, epidemiologic research, and applies research of preventive interventions; (13) Coordinates activities with other CDC functional units, HHS, other federal agencies and appropriate private organizations regarding research and prevention programs for developmental disabilities; (14) Collaborates with international organizations in developing strategies for the prevention of developmental disabilities; (15) Disseminates findings of research through direct contact with health authorities, publication and distribution of special reports, publication in scientific and technical journals, conference presentations, and other appropriate means; and (16) Provides training in the epidemiology of developmental disabilities to professionals throughout the United States and abroad.
(Approved 7/9/2019; Effective 6/28/2023)

Disability and Health Promotion Branch (CFCC)

(1) Assists states and localities with the development, monitoring and evaluation of early hearing detection and intervention (EHDI) tracking and surveillance systems; (2) Conducts research on etiology of hearing loss and associated disabilities, cost and effectiveness and long-term benefits of early identification and intervention (3) Supports state-based disability and health promotion programs, national, and state organizations that promote and inform disability policy and practice, including assessing, developing, implementing, and disseminating disability inclusion models, tools, and resources; (4) Collaborates with and provides technical assistance, consultation, and training to local, state, federal, and international agencies, universities and governmental and non-governmental organizations on disability and health related issues; (5) Collaborates with local, state, federal, and international agencies, and appropriate governmental and non-governmental organizations to develop, review, and implement policies that advance the health of people with disabilities across the lifespan; (6) Provides scientific leadership in the development, application, extension, and improvement of health surveillance and tracking systems related to disability and health; (7) Conducts and supports both qualitative and quantitative research to expand the knowledge base related to disability and health across the

lifespan; (8) Disseminates information from surveillance and health services research, epidemiological research, health promotion and disease prevention strategies, and policies related to disability and health; (9) Establishes collaborative partnerships with public and private organizations of national and international stature to promote the health of people with disabilities; (10) Collaborates with funded non-governmental agencies to disseminate best practices, identify areas of need, facilitate development and distribution of educational materials, and provide informational resources to states and affected populations and their caregivers; and (11) Provides leadership in health promotion and disease prevention across the lifespan for individuals with disabilities. (Approved 7/9/2019; Effective 6/28/2023)

Division of Blood Disorders and Public Health Genomics (CFD)

(1) Designs and manages a surveillance system to evaluate the incidence, morbidity, and mortality of hemophilia, blood diseases and other hereditary disorders; (2) Plans, develops, and coordinates special surveys and populations studies in selected geographic areas to monitor and assess the complications of chronic blood diseases and chronic hereditary disorders; (3) Collects, analyzes, and prepares reports to document the prevalence and incidence of blood diseases and chronic hereditary disorders in the United States and provides this information to the scientific community through reports, publications, and public access data sets; (4) Designs and implements studies using the surveillance data to identify risk factors for the complication of blood diseases and chronic hereditary disorders, and evaluate the effectiveness of the prevention activities; (5) Conducts applied and operational research related to disease definition, etiology, diagnosis, complications, and prevention of blood diseases and chronic hereditary disorders; (6) Conducts epidemiologic studies in persons and their families with blood diseases and chronic hereditary disorders; (7) Plans, develops, and coordinates special surveys and populations studies in selected geographic areas to monitor and assess the complications of blood diseases and chronic hereditary disorders; (8) Provides epidemiologic and medical consultation and technical assistance, including epidemic aids, to State and local health departments, other governmental agencies, and other public and private organizations in the investigation of blood diseases and chronic hereditary disorders; (9) Designs and implements studies to evaluate the effectiveness of implemented prevention strategies in the prevention centers; (10) Conducts applied research to develop, evaluate, improve, and standardize the methods and procedures used for the classification, surveillance, and prevention of blood diseases and chronic hereditary disorders; (11) Participates in research on the prevention of the chronic complications of blood diseases and hereditary disorders; (12) Provides diagnostic support for epidemiologic studies and epidemic aids on emerging blood diseases and chronic hereditary disorders; (13) Determines the mechanisms of pathogenesis and complications of blood diseases and chronic hereditary disorders; (14) Conducts research and provides reference services on diagnostic techniques for blood diseases and other hereditary disorders; (15) Maintains the national reference laboratory for blood diseases and chronic hereditary disorders; and (16) Conducts research to improve laboratory methodologies and materials. (Approved 6/28/2023)

Office of the Director (CFD1)

(1) Provides leadership and guidance on strategic planning and implementation, program priority

setting, and policy development, to advance the mission of the division, NCBDDD, and CDC; (2) Develops goals, objectives, and the budget; monitors progress and allocation of resources, and reports accomplishments, future directions, and resource requirements, (3) Facilitates scientific, policy and program collaboration among divisions and centers, and between CDC and other federal/non-federal partners; (4) Promotes the advancement of science throughout the division, supports program evaluation, and ensures that research meets the highest standards in the field; (5) Provides medical expertise and consultation to planning, projects, policies and program activities; (6) Advises the NCBDDD Office of the Director on matters relating to blood disorders and genomics and coordinates division responses to requests for technical assistance or information on activities supported by the division; (7) Develops and produces communications tools and public affairs strategies to meet the needs of division programs and mission; and (8) Represents the division at official professional and scientific meetings, both within and outside of CDC. (Approved 6/28/2023)

Blood Disorder Surveillance and Epidemiology Branch (CFDB)

(1) Provides scientific leadership in the design and implementation of monitoring systems as well as designs and conducts epidemiologic and genetic research to identify causes, risk factors and complications of blood disorders in affected populations; (2) Designs and manages surveillance systems to evaluate the incidence, morbidity, and mortality associated with blood diseases and disorders; (3) Plans, develops and coordinates special surveys and populations studies to monitor and assess the complications of blood disorders; (4) Designs and implements studies using surveillance data to identify risk factors for the complications of blood disorders, and evaluating the effectiveness of the prevention activities; (5) Provides epidemiologic and medical consultation and technical assistance, including epidemic aids to state and local health departments, other governmental agencies, and other public and private institutions in the investigation of blood disorders and related complications; (6) Designs and implements studies to evaluate the effectiveness of implemented prevention strategies in the treatment centers; (7) Works closely with internal and external organizations in applying prevalence and incidence data to target and evaluate programs to prevent the complications of blood diseases and chronic hereditary disorders; (8) Publishes findings and advances arising out of surveillance and epidemiologic research to the scientific and public health communities; (9) Provides training services to states, localities, and other countries in investigation, diagnosis, prevention, and control of blood diseases and chronic hereditary disorders; (10) Assists in designing, implementing, and evaluating prevention and counseling programs for persons and their families with chronic blood diseases and selected chronic hereditary disorders; (11) Designs, implements and coordinates the prevention and surveillance activities of specialized federally funded prevention centers organized to prevent the complications of blood diseases and chronic hereditary disorders; (12) Conducts and supports both qualitative and quantitative research to expand the knowledge base related to blood disorders across the lifespan; (13) Collaborates with hemostasis laboratory branch and incorporates the findings of these branches' activities which leads to prevention of complications of blood disorders; (14) Supports public health analysis to include facilitating data collection, data management, data manipulation, analysis, project reporting and presentation; and (15) Conducts applied research to develop, evaluate, improve and standardize public information systems and educational modules which support the prevention of

complications from blood disorders. (Approved 6/28/2023)

Hemostasis Laboratory Branch (CFDC)

(1) Identifies new genetic markers of risk factors and clotting defects for affected groups; (2) Provides reference laboratory diagnosis for multi-site epidemiologic and surveillance studies; (3) Develops techniques and interpretation methods to improve molecular and coagulation diagnosis; (4) Provides diagnostic support for epidemiologic studies and epidemic aids on emerging blood disorders and chronic hereditary disorders; (5) Determines the mechanisms of pathogenesis and complications of blood disorders and chronic hereditary disorders; (6) Conducts research and providing reference services on diagnostic techniques for blood disorders and chronic hereditary disorders; (7) Conducts research to improve laboratory methodologies and materials; (8) Where appropriate, maintains the national reference laboratory for blood disorders and chronic hereditary disorders; (9) Works closely with entities and organizations within the agency and organizations external to the agency to provide laboratory services in support of projects whose primary aim is to prevent and reduce complications associated with blood disorders and chronic hereditary disorders; and (10) Publishes findings and advances arising out of surveillance and epidemiologic research to the scientific and public health communities. (Approved 1/28/2016; Effective 06/28/2023)

Public Health Genomics Branch (CFDD)

(1) Identifies and evaluates emerging genomic, family health history, and precision health applications with the potential to impact population health by preventing disease, saving healthcare costs, and reducing health disparities in the United States; (2) Integrates advances in human genomics, machine learning, data science, and predictive analytics responsibly and effectively into public health programs and healthcare; (3) Provides technical assistance and advice to CDC leadership and programs, other federal agencies, state health departments, and other external partners by identifying, evaluating, and implementing evidence-based genomics and precision health practices to prevent and control the country's leading genetic diseases; (4) Supports policy, education, and surveillance frameworks to promote effective implementation of evidence-based recommendations for genomic tests, family health history, and precision health applications, as well as those applications that will emerge in the future; and (5) Conducts genomics and epidemiologic studies and analyses to improve public health (Approved 6/28/2023)