

# Medical and Human Genetics in North Dakota

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## State Population Profile

2008 Live Births: 8,931  
Population: 641,481 (2008)  
Fargo: 90,056 (2006)  
Bismarck: 58,333 (2006)  
Grand Forks: 50,372 (2006)  
Minot: 34,745 (2006)  
Fort Berthold Reservation: 5,915 (2000)  
Spirit Lake Reservation: 4,435 (2000)  
Standing Rock Reservation: 4,044 (2000)  
Turtle Mountain Reservation: 8,307 (2000)

## Genetics Personnel

### Division of Medical Genetics

John T. Martsolf, MD, FACMG, Clinical Geneticist  
Mary Riske, RN, MS, CNS, Nurse Geneticist  
Larry Burd, Ph.D., Director FAS Center  
Candace A. Skavlem, Administrative Secretary  
MeritCare Genetics  
Pamela McGrann, MD, FACMG

## Advisory Bodies

Genetics Advisory Committee  
Newborn Screening Committee  
ND Birth Defects Surveillance Committee  
CSHS Medical/Family Advisory Council

## Collaborative Agencies

### ND State Health Dept.

Terry Dwelle MD, MPHMT; State Health Officer  
Barb Schweitzer, RN, BSN; Dir. of Newborn Screening Program  
Mary Ann Foss, RN; Dir. Cancer Prevention & Control

Kim Senn, Family Health Director  
Sherri Paxon, Chronic Disease Director  
Tammy Gallup-Millner, RN, MPA, Division Director  
Sue Burns, RN, BSN, Program Administrator  
Devaiah Muccatira, MS; State System Development Coordinator

### Infant Development

Roxane Romanick, MSW; Early Intervention Experienced Parent Specialist

### Right Track

Marianne Quittschreiber; BS; Right Track Coordinator

### Family Voices

Jill Dudgeon, LSW; Project Assistant

### March of Dimes

Brita Leach, Program Services Coordinator  
Karin Roseland, BA; State Director

## Genetic Clinic Sites

### Comprehensive Metabolic Clinic (including for abnormal newborn metabolic screening)

- Coordinated Treatment Center, Fargo

### Down Syndrome multidisciplinary

- Coordinated Treatment Center, Fargo

### Cystic Fibrosis Centers

- Coordinated Treatment Center, Fargo
- Heart and Lung Clinic, Bismarck

### Hemophilia and Bleeding Disorders

- North Dakota Hemophilia and Thrombosis Treatment Center, Fargo

### Other Multidisciplinary Clinics: Cleft Lip & Palate Clinic

- Medcenter One Health System Ear, Nose, & Throat Clinic, Bismarck
- Pontoppidan Lutheran Church, Fargo
- UND Speech, Language, & Hearing Clinic, Grand Forks
- MSU Communications Disorders Clinic, Minot

### Muscular Dystrophy Clinic

- Coordinated Treatment Center, Fargo

### Myelodysplasia Clinics

- Altru, Grand Forks
- Coordinated Treatment Center, Fargo

### Hereditary Cancer Genetic Counseling

- Roger Maris Cancer Center, Fargo

### General Genetics/Birth Defects

- Altru, Grand Forks
- Family Medicine Residency, Grand Forks
- MeritCare Southwest, Fargo
- Center of Family Medicine, Bismarck
- Center of Family Medicine, Minot
- Ft. Totten (Spirit Lake Nation)

### Laboratory Services

Genetic laboratory services are not available in North Dakota. All newborn screening, cytogenetic studies, and molecular laboratory testing are sent out of state.

### North Dakota Teratogen Information Service

- Division of Medical Genetics, Grand Forks

## Special Features

Population: The population of North Dakota is expected to grow modestly over the next 20 years, with the most growth in the elderly population. In contrast, the young adult population is expected to continue a marked decline, along with declining birth rates. (Information from ND State Data Center)



## References

Division of Medical Genetics. (2007). North Dakota State Genetics Plan. Retrieved September 3, 2007, from

<http://www.med.eund.nodak.edu/depts/peds/genetics/NorthDakotaStateGeneticsPlan.htm>

Heartland Regional Genetics and Newborn Screening Collaborative. (2006). Clinical Genetics Resources by State. Retrieved August 3, 2007 from <http://heartland.ouhsc.edu>

ND State Data Center. (2009). Population Bulletin. North Dakota State Data Center at North Dakota State University. Retrieved August 18, 2009 from [http://www.ndsu.nodak.edu/sdc/publications/population/P\\_B\\_22\\_11press.pdf](http://www.ndsu.nodak.edu/sdc/publications/population/P_B_22_11press.pdf)

U.S. Census Bureau. (2007). State and County Quickfacts. Retrieved August 18, 2009 from <http://quickfacts.census.gov>

## History of ND Newborn Screening Program

