

Medical and Human Genetics in North Dakota

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State Population Profile

2005 Live Births: 8,100
Population: 636,677
 Fargo: 90,599
 Bismarck: 55,532
 Grand Forks: 49,321
 Minot: 36,567
 Fort Berthold Reservation 3,986
 Spirit Lake Reservation 3,317
 Standing Rock Reservation 3,421
 Turtle Mountain Reservation 8,009



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)

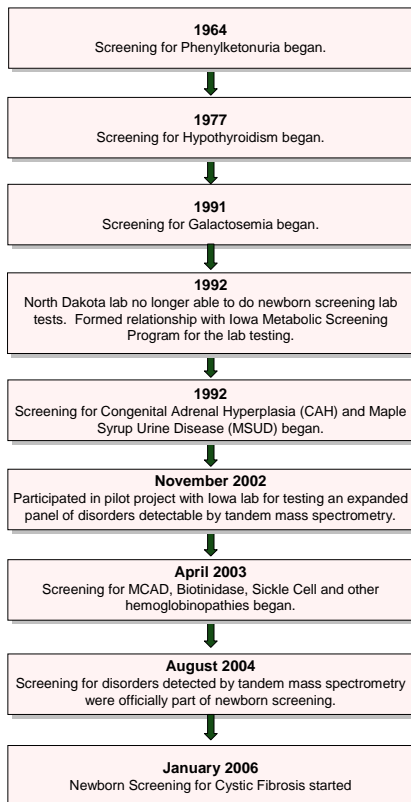
Personnel

John T. Martsolf, MD FACMG,
 Clinical Geneticist
 Mary Riske, RN, MS, CNS, Nurse Geneticist
 Larry Burd, Ph. D., Director FAS Center
 Jayne Brown, BS, Human Services
 Candace Skavlem, Administrative Secretary
 Melaine White Eagle-Antonio,
 Research Assistant, Liaison

Advisory Bodies

ND Fetal Alcohol Syndrome
 Committee (FAS)
 Genetics Advisory Committee
 Newborn Screening Committee
 ND Birth Defects Surveillance
 Committee
 ND Genetic State Plan Committee

History of ND Newborn Screening Program



Genetic Clinic Sites

- Altru, Grand Forks
- Family Medicine Residency, Grand Forks
- MeritCare Southwest, Fargo
- Center of Family Medicine, Bismarck
- Center of Family Medicine, Minot
- Belcourt (Turtle Mountain Band of Chippewa)
- Ft. Berthold (Three Affiliated Tribes)
- Ft. Totten (Spirit Lake Nation)
- Ft. Yates (Standing Rock Sioux Tribe)

Collaborative Agencies

ND State Health Dept.

Terry Dwelle MD, MPHTM; State Health Officer
 Barb Schweitzer, RN, BSN; Dir. Newborn
 Screening Program

Mary Ann Foss, RN; Dir. Cancer Prevention & Control
 Toni Vetter, RN, BSN; Dir. Sudden Infant Death
 Syndrome Program

Childrens Special Health Services

Tammy Gallup-Millner, RN, MPA, Unit 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 To Family

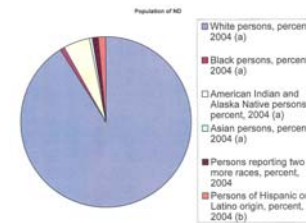
Jill Dudgeon, LSW; Project Assistant

March of Dimes

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

Division of Family Health

Kim Senn, RN, BNSC Director



Publications/References

No Published State Genetic Plan; but in draft stage.

Burd, L., Klug, M.G., Martsolf, J.T., Martsolf, C., Deal, E., Kerbeshian, J. *A staged screening strategy for prenatal alcohol exposure and maternal risk stratification.* The Royal Society for the Promotion of Health 2006, 126(2): 40-48.

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Klug, M.G., Burd, L., Kerbeshian, J., Benz, B., & Martsolf, J.T. *A comparison of the effects of parental risk markers on pre and perinatal variables in multiple patient cohorts with fetal alcohol syndrome, autism, Tourette syndrome, and sudden infant death syndrome: An enviromic analysis.* Neurotoxicology and Teratology 2003, 25(6), 707-717.

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Bohn, T., (January 2005) *North Dakota Birth Defects Monitoring Program Summary Report 1995-1999*:
<http://www.state.nd.us/humanservices/info/pubs/docs/birth-defects-report.pdf>