

Health Promotion and Community-based Research: NIDCR/NIH Funding Opportunities

**María Teresa Canto, DDS, MPH
Ruth Nowjack-Raymer, MPH, PhD**

**Saturday, April 28
NOHC 2007**

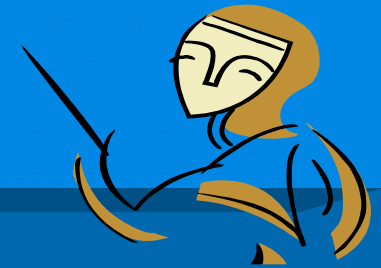


National Institute of Dental and Craniofacial Research
National Institutes of Health
Department of Health and Human Services

Purpose:

- **Describe at least two NIDCR/NIH research initiatives that require community participation in epidemiology, health promotion or health disparities**
- **Understand the NIH grant review process and how to apply for grants**
- **Describe steps to take to partner with an academic institution for responding to a Funding Opportunity Announcement (FOA)**

Other Presenters



- **Dr. Ruth Nowjack-Raymer:**
Director, Health Disparities Research Program, Center for Clinical Research
- **Dr. Lynn Mertens King:**
Chief, Scientific Review Branch, Division of Extramural Activities
- **Ms. Amy McGuire:**
Grants Management Specialist, Grants Management Branch, Division of Extramural Activities
- **Dr. Amid Ismail:**
Director, Program in Dental Public Health; Professor, School of Dentistry and Professor, Epidemiology, University of Michigan

Agenda



- 9:00 am Welcome and Introductions
María Teresa Canto, DDS, MS, MPH
- 9:10 am Overview of Funding Opportunities
María Teresa Canto, DDS, MS, MPH
Ruth Nowjack-Raymer, MPH, PhD
- 10 am Break
- 10:15 am Review Process
Lynn Mertens King, MPH, PhD
- 10:35 am Grants Management
Ms. Amy McGuire
- 11:00 am The Grant Process: This is How to Prepare for It
Amid Ismail, BDS, MPH, MBA, DrPH
- 11:30 am Question & Answers - Panel

NIDCR Mission Statement

Improve oral, dental and craniofacial health through **research, research training,** and the **dissemination** of health information.

www.nidcr.nih.gov



NIDCR Mission

How to accomplish the mission?

- Performing and supporting basic and clinical research;
- Conducting and funding research training and career development programs to ensure an adequate number of talented, well-prepared and diverse investigators;
- Coordinating and assisting relevant research and research-related activities among all sectors of the research community;
- Promoting the timely transfer of knowledge gained from research and its implications for health to the public, health professionals, researchers, and policy-makers.

HP 2010

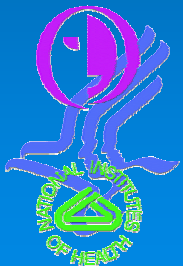
HEALTHY
PEOPLE
2010

The graphic for Healthy People 2010 features the words 'HEALTHY', 'PEOPLE', and '2010' stacked vertically. Each letter is filled with a small, diverse photograph of people, including children, adults, and a newborn baby. The '2' and '0' in '2010' are particularly large and prominent.

**Understanding and
Improving Health**

Official Healthy People Web Site: <http://www.healthypeople.gov>

The NIH Extramural Team



Grants vs. Contracts

➤ GRANTS

- Assistance
- Government is a Partner/Patron
- Purpose is to support and stimulate research
- Benefit a public purpose

- Investigator initiated

➤ CONTRACTS

- Acquisition
- Government is a purchaser
- Purpose is to acquire goods or services
- The direct benefit and use of the government

- Government initiated

COOPERATIVE AGREEMENTS
= substantial government involvement



Grants.Gov



- Funding opportunities for all Federal Agencies

Types of Studies Funded



➤ CRISP data base:

<http://crisp.cit.nih.gov/>

NIDCR home page



- www.nidcr.nih.gov
- Current Funding Opportunities (FOAs)
 - Requests for Applications (RFA)
 - Program Announcements (PA)
 - Notices
 - Requests for Proposals (RFP)
 - Recently Cleared Concepts

NIDCR home page



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Call the Program Official



- “Federal Official”
 - “Program Director”
 - “Project Director” or “Project Scientist”
 - “Health Scientist Administrator”
-
- Doctorates
 - Scientists
 - Schedule appointment

Grant mechanisms.....



- R03
- R21
- R01

R03 grant mechanisms.....



- Provides support limited in time and amount for studies in a categorical area.
- Generally for preliminary short-term projects – up to two years.
- Limited support - \$50,000 per year – usually.
- The grants are not renewable.
- Limited to new investigators – usually.

R21 grant mechanisms.....



- Encourage development, exploration, feasibility of new research activities in categorical program areas.
- Planning grants or Pilot data grants
- Support generally is restricted in time – two years.
- Level of support - \$275,000 for the two year period.
- Not limited to new investigators.

R01 grant mechanisms.....



- Provides support for discrete, specified project performed by an investigator in an area of specific interest and competency based on the mission of the NIH.
- Often in response to an FOA.
- Longer-term projects: 4 – 5 years.
- Level of support: Undefined – varies with project

NIDCR Small Research Grants for Data Analysis and Statistical Methodology (R03) (PAR-06-211)



National Institute of Dental and Craniofacial Research
National Institutes of Health
Department of Health and Human Services

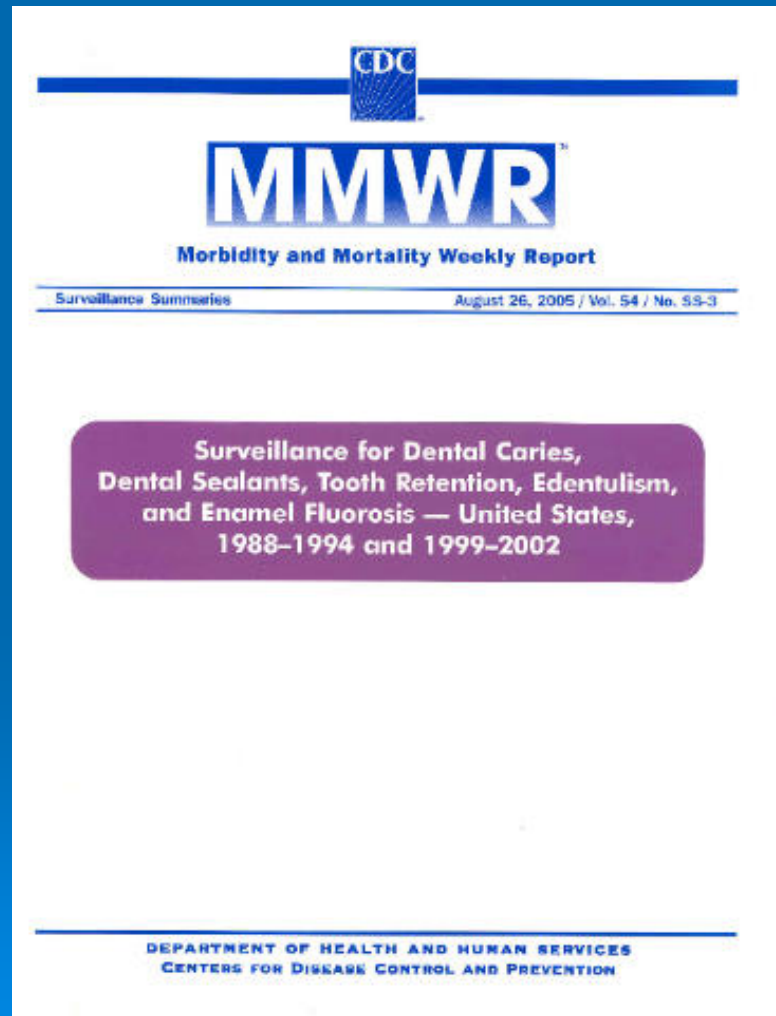
Data Resource Center

The screenshot shows a Microsoft Internet Explorer browser window displaying the NIDCR/CDC Dental, Oral and Craniofacial Data Resource Center (DRC) website. The address bar shows the URL <http://drc.nidcr.nih.gov/>. The page features a navigation menu on the left with links such as "What's New?", "2006 Events Calendar", "2007 Events Calendar", "DRC Home", "About the DRC", "Catalog/Archive", "Annual Report", "Data Tables", "Data Query System", "NIDR Survey Data", "Survey Questions", "Related Links", "First Time Visitors", and "Contact the DRC". The main content area includes a "Welcome" message, two photographs of people, and a paragraph describing the center's mission. Below this is a list of links with brief descriptions:

- [About the DRC](#): Learn about the purpose of the DRC.
- [Catalog/Archive](#): The *Catalog of Surveys and Archive of Procedures Related to Oral Health*. Search the Catalog for oral health surveys. Search the Archive for procedures used in oral health surveys. Link surveys to procedures used. Create reports of search results.
- [Annual Report](#): View, print, or download *Oral Health U.S., 2002*, the annual chartbook of statistics on dental, oral and craniofacial health.
- [New Report](#): Link to the new MMWR report on the oral health of Americans, *Surveillance for Dental Caries, Dental Sealants, Tooth Retention, Edentulism, and Enamel Fluorosis—United States 1988-1994 and 1999-2002*.
- [Data Tables](#): View, print, or download data tables from *Oral Health U.S., 2002* and recent updates.
- [Data Query System](#): Generate rapid statistical analyses of selected dental and oral health data using the NIDCR/CDC Dental, Oral and Craniofacial Data Query System (DQS).
- [NIDR Survey Data](#): Order NIDR oral health survey data files and documentation.
- [Survey Questions](#): Review lists of oral health survey questions included in national surveys.
- [Related Links](#): Access links to related oral health data websites that complement information found on the DRC Web site.
- [First Time Visitors](#): First time visitor to the DRC Web site? Please complete our Visitor Profile. The information you provide will help us better serve users of this site.
- [Contact the DRC](#): E-mail your questions and comments.

Data Resource Center: <http://drc.nidcr.nih.gov>

MMWR



Available online in PDF at: <http://www.cdc.gov/mmwr/PDF/ss/ss5403.pdf>

Small Research Grants for Data Analysis and Statistical Methodology



- Purpose is to provide funding for meritorious research projects using existing dental or craniofacial database resources that propose:
 - secondary data analyses, or
 - development of statistical methodology appropriate for analyzing oral health data using existing oral health data.

Small Research Grants for Data Analysis and Statistical Methodology



- Secondary data analysis may be related to, but must be distinct from, the specific aims of the original data collection.
- Test new hypotheses using existing data.

Small Research Grants for Data Analysis and Statistical Methodology



- Data derived from NIDCR-funded studies or from other sources.
- Applicants should consider the relevance to NIDCR programs and priorities.
- NIDCR Strategic Plan –
<http://www.nidcr.gov/AboutNIDCR/StrategicPlan/>

Eligible Organizations



- For profit organizations
- Non-profit organizations
- Public or private institutions (such as universities, hospitals)
- Units of State or local government
- Eligible agencies of the Federal government
- Domestic or Foreign institutions
- Faith-based or community –based organizations
- Units of state or local tribal governments

Eligible Project Directors/ Principal Investigators



- Any individual with the skills, knowledge and resources necessary to carry out the research is invited to work with his/her institution to develop an application.
- Individuals from underrepresented racial and ethnic groups as well as individuals with disabilities are always encouraged to apply for NIH support.
- Need not be a new investigator.

Funding support for:



- Grant mechanism – R03
- Project period – not to exceed 2 yrs.
- Award Amount – direct costs are limited to \$100,000 per year

Does not support:



- Dissertation or Thesis
- Concurrent submission to other PHS entity for substantially the same research
- Supplement research projects currently supported by Federal or non-Federal funds

Other Important Information:



- Ten pages – plus limited information in appendix
- Applicants may submit more than one application, provided the applications are scientifically distinct

Other Important Information:



- Standard review criteria:
 - Significance
 - Approach
 - Innovation
 - Investigators
 - Environment
 - Protection of Human Subjects from Research Risks

Receipt Dates



- Electronic Submission!
- New Application Submission/Receipt Dates: February 16, June 16, & October 16
- Resubmissions Dates: March 16, July 16, & November 16 (can be resubmitted twice)
- Program Announcement Expiration Date: March 2, 2009 unless reissued



Questions



Contact Information

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(for research focused on the general population)

Ruth Nowjack-Raymer, MPH, PhD
(for research focused on health disparity populations)

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ruth.nowjack-raymer@nih.gov

NIDCR Exploratory and Developmental Grants in Clinical Research (R21)

➤ PAR-06-246

- The goal of this announcement is to broadly encourage developmental, exploratory, or pilot clinical research to:
 - 1) document oral conditions and risk factors for oral and craniofacial diseases and disorders,
 - 2) investigate new methods of diagnosing oral disease,
 - 3) address behavioral and health promotion topics relevant to oral health, dental care or oral health promotion, and/or
 - 4) identify promising culturally appropriate approaches to prevent and reduce oral health disparities.

NIDCR Exploratory and Developmental Grants in Clinical Research (R21)

- **PAR-06-246** (<http://grants.nih.gov/grants/guide/pa-files/PAR-06-246.html>)
- **Project Period and Award Levels:** The applicant may request a project period of up to two years with a combined budget for direct costs of up to \$275,000 for the two-year period.
- Standard dates apply, please see: <http://grants.nih.gov/grants/funding/submissionschedule.htm>

Oral Health Promotion Research Across the Lifespan

- ***Pilot and Feasibility Studies on Oral Health Promotion Research Across the Life Span (R21)***
- ***Planning Grant for Oral Health Promotion Across the Lifespan (R21)***
- ***Oral Health Promotion Research Across the Lifespan (R01)***

Pilot and Feasibility Studies on Oral Health Promotion Research Across the Lifespan (R21)

➤ **PA-07-223**

- **Purpose** - encourage preliminary data collection, pilot or feasibility studies on oral health promotion research directed at improving oral health across the lifespan.
- The study team must include health promotion, behavioral and/or social scientists.

Pilot and Feasibility Studies on Oral Health Promotion Research Across the Lifespan (R21)

- Focus in any of the following areas:
 - 1) maternal and child health
 - 2) adolescent and young adult health
 - 3) the health of adults with complex diseases

Pilot and Feasibility Studies on Oral Health Promotion Research Across the Lifespan (R21)

Such health promotion research will be expected to:

- apply or adapt existing behavioral or health promotion theories and planning research models to known risk factors and lifestyle aspects of oral diseases and conditions
- promote optimal oral health of individuals, families and communities in the context of overall health and co-morbidities, and/or
- integrate oral health promotion into general health promotion programs.

Planning Grant for Oral Health Promotion Research Across the Lifespan (R21)

➤ PA-07-224

- Purpose - The objective of this FOA is to support the formation of partnerships and/or coalitions among stakeholders to develop a comprehensive research plan on health promotion for a specific oral disease or condition.
- The partnership or coalition should include individuals with extensive experience in health promotion, behavioral and/or social sciences.

Planning Grant for Oral Health Promotion Research Across the Lifespan (R21)

- **Budget and Project Period:** The total project period for an application submitted in response to this funding opportunity may not exceed one year. Direct costs are limited to \$100,000 over the R21 one-year period.

Oral Health Promotion Research Across the Lifespan (R01)

➤ PA-07-225

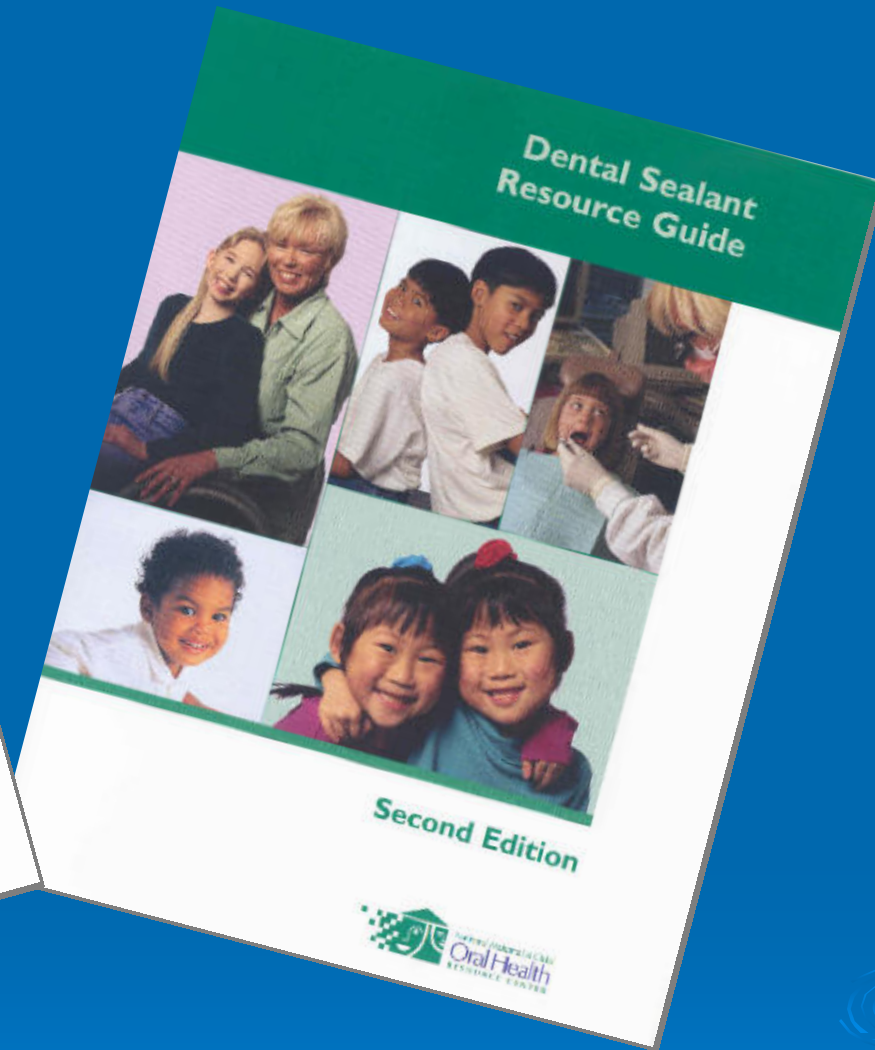
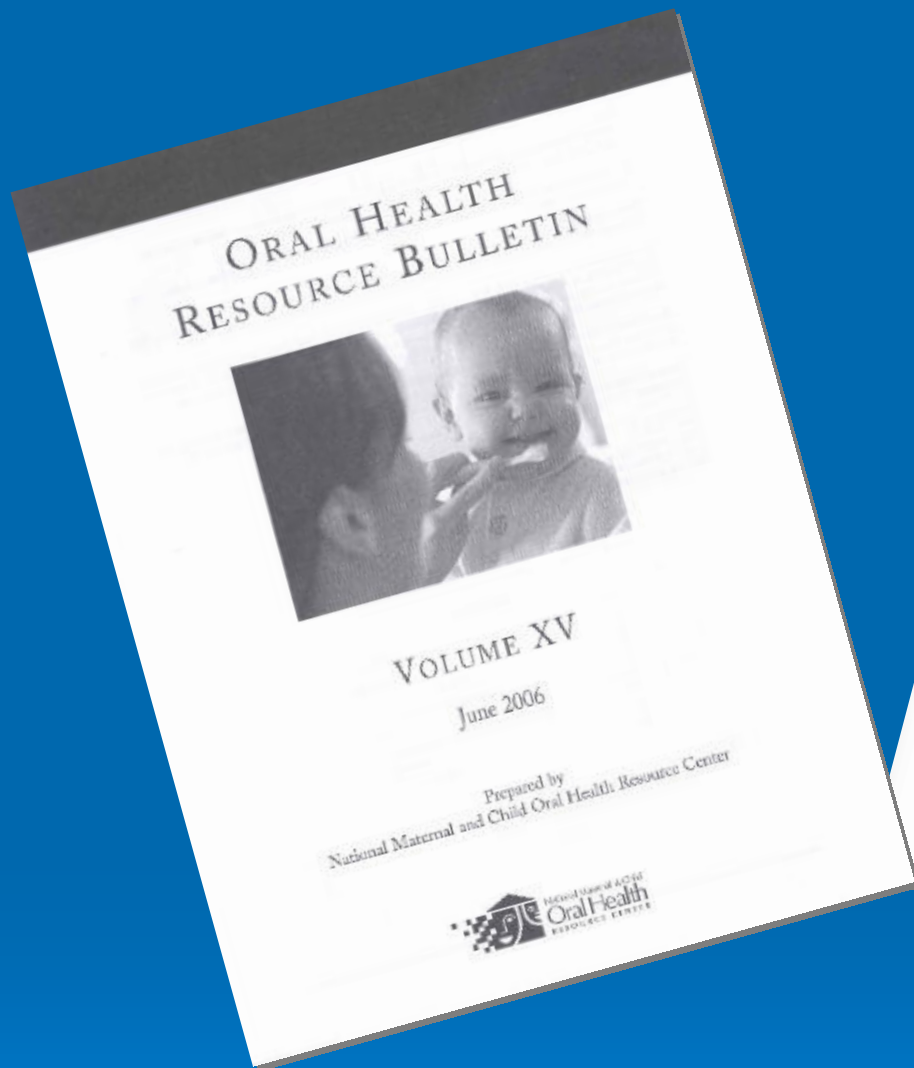
- Purpose - encourage the development, implementation and testing of oral health promotion interventions directed at improving oral health across the lifespan.
- The research team must include someone with extensive experience in health promotion, behavioral and /or social science research.
- The health promotion intervention must be based on a previously conducted assessment of the epidemiology, social, behavioral and /or environmental factors related to the disease or condition under study.
- The assessment could have been funded by NIDCR or other sources.

Oral Health Promotion Research Across the Lifespan (R01)

Special Instructions for Applications Requesting \$500,000 (direct costs) or More Per Year :

- **Applicants requesting \$500,000 or more in direct costs for any year (excluding consortium F&A costs) must carry out the following steps:**
 - 1) Contact the IC program staff at least 6 weeks before submitting the application, i.e., as you are developing plans for the study;**
 - 2) Obtain agreement from the IC staff that the IC will accept your application for consideration for award; and,**
 - 3) Include the PHS398 Cover Letter component with the application to identify the staff member and IC who agreed to accept assignment of the application.**

- **This policy applies to all new applications, competing renewal (formerly “competing continuation”) applications, resubmission (formerly “revised/amended”) applications, and revision (formerly “competing supplemental”) applications. See [NOT-OD-02-004](#), October 16, 2001**



The Oral Health Resource Bulletin Volume XV and Dental Sealant Resource Guide

***Publications available to order through the HRSA Information Center:**

1-888-ask-HRSA

The National Survey of Children's Health



**The Oral
Health
of Children:
A Portrait
of States and
the Nation
2005**



U.S. Department of Health and Human Services
HRSA
Health Resources and Services Administration



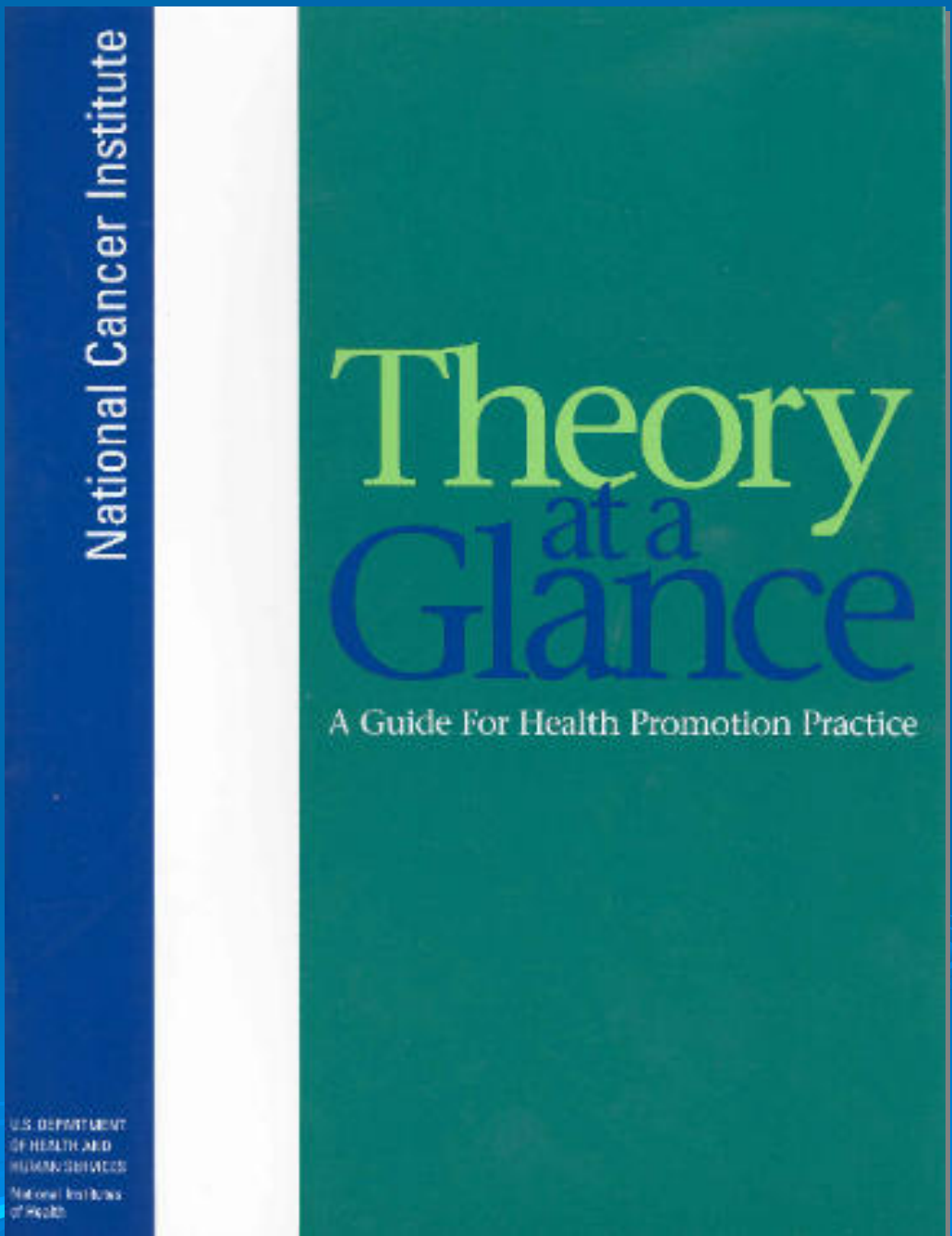
**The National Survey of
Children's Health:
*The Oral Health of
Children: A Portrait of
States and the Nation,
2005.***

***Publication available to
order through the HRSA
Information Center:**

1-888-ask-HRSA

***Theory at a Glance:
A Guide for Health
Promotion Practice***

1-800-4 CANCER



***Publication available online at:
<http://www.cancer.gov/theory>**

Oral Health of Special Needs and Older Populations (PA-07-131)





**The National Institute of Dental
and Craniofacial Research**

**A Plan to Eliminate
Craniofacial, Oral, and Dental Health Disparities**



http://www.nidr.nih.gov/research/health_disp.asp

NIDCR's health disparities definition....

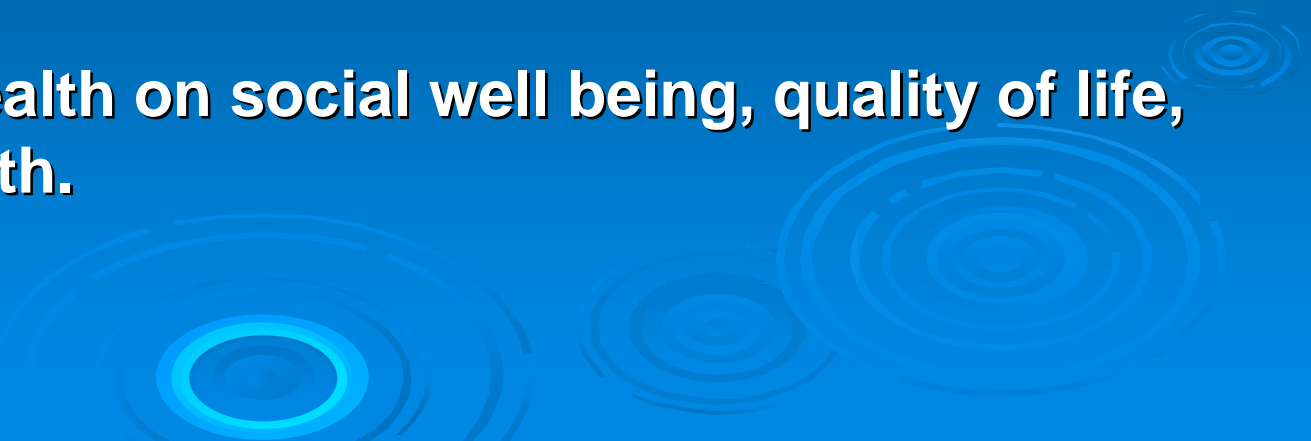
- Developmental or acquired physical or mental disabilities *e.g.* people with
 - Mental retardation, cerebral palsy, autism
 - Disorders *e.g.* syndromic, degenerative neurological, psychiatric
 - Traumatic head and spinal cord injury
 - People living with HIV/AIDS
 - Elders – frail, functionally dependent, cognitive impairment

Budget and Project Period

- **Purpose:** To solicit grant applications that propose clinical research focused on special needs populations.
- **Mechanism:** R01
 - Can use R03 and R21 clinical research mechanisms as building blocks toward responding to this announcement for R01

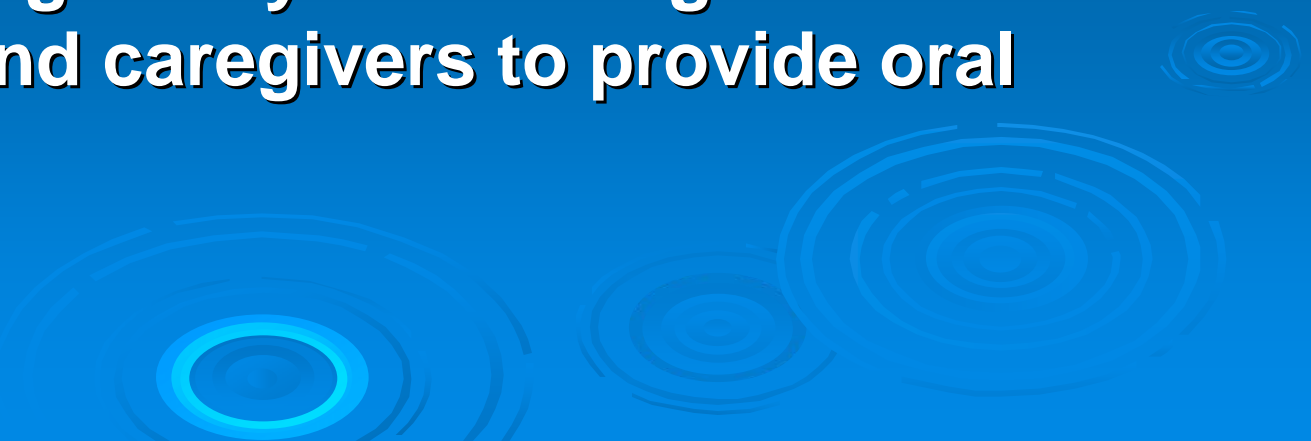
Examples:

Epidemiologic studies


- **Types and severity of oral disease conditions.**
 - **Documentation of inequalities of oral health and oral health care.**
 - **Biological, behavioral and environmental factors and their interactions.**
 - **Impact of oral health on social well being, quality of life, and general health.**
- 

Example:

Behavioral and social science


- Explore physical and psychosocial factors that influence perceptions of oral health and care needs of people with special needs and their caregivers.
 - Improve maintenance of oral health and QOL by increasing ability and willingness of providers and caregivers to provide oral care.
- 

Examples: Behavioral and social sciences using State-of-the-Art Technology

- **Telehealth and telemedicine**
 - **Health literacy**
 - **Tailored interventions**
 - **Compliance with recommendations**
- 

Example:

Health outcomes

- **Develop and test strategies to improve QOL and impact on general health.**
 - **Novel approaches to prevent or mitigate effects of medications, treatments or feeding practices on oral health.**
- 

Example: Community-based

- **Improve dissemination and implementation of research findings to special needs populations, caregivers and health care providers.**
- **Innovative health promotion approaches (social, educational, legal, fiscal) to address environmental, behavioral and biological determinants of oral health and QOL.**

Centers for Research to Reduce Disparities in Oral Health

- **Notice of Intent:** DE-07-003
- **Receipt date:** November 15, 2007

- **Populations include:**
 - Racial and ethnic minorities
 - Low income groups
 - Persons with special needs

- **Intervention studies** – a minimum of two
 - One must be...
Demonstration/dissemination/implementation
Primary outcome – improved oral health status

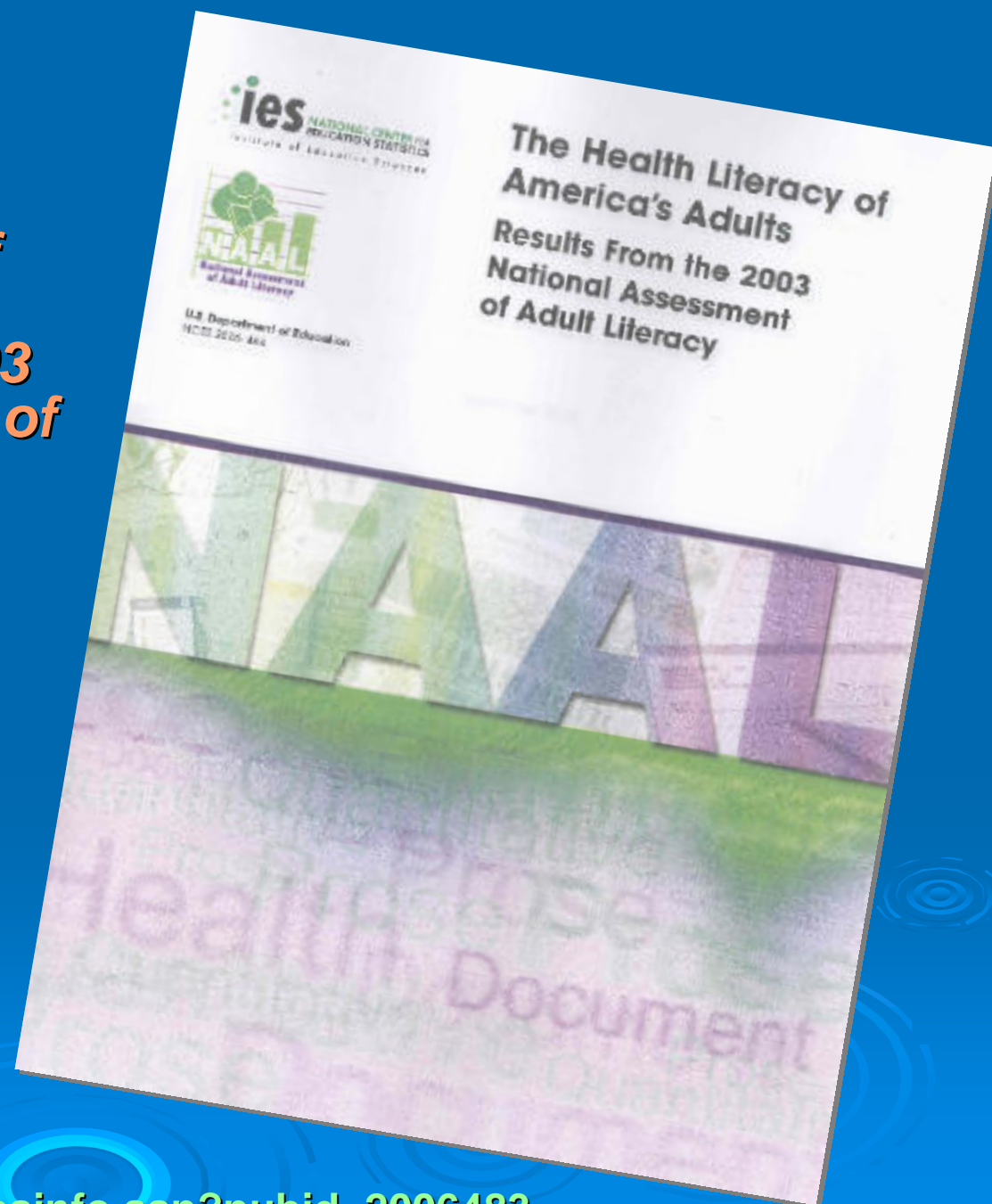
Health Literacy

- Understanding and Promoting Health Literacy (R01)
- Understanding and Promoting Health Literacy (R21)
- Understanding and Promoting Health Literacy (R03)

Health Literacy

- **Purpose** - encourage empirical research on health literacy concepts, theory and interventions as these relate to the U.S. Department of Health and Human Services' public health priorities that are outlined in its HealthierUS and Healthy People 2010 initiatives.
- Health literacy is defined as the degree to which individuals have the capacity to obtain, process, and understand basic health information and services needed to make appropriate health decisions.

***The Health Literacy of
America's Adults:
Results from the 2003
National Assessment of
Adult literacy***



***Publication available online at:
<http://nces.ed.gov/pubsearch/pubsinfo.asp?pubid=2006483>**

➤ Randomized Clinical Trials are not accepted under these PAs

➤ For information on Clinical Trials go to:

<http://www.nidcr.nih.gov/ClinicalTrials/ClinicalTrialsProgram/>

Training Grants Supported by NIDCR

- For information about fellowships (F awards), K99/R00 awards or the Loan Repayment Program, contact Dr. Albert Avila at 301-496-4263, aavila@mail.nih.gov
- For information on K Career Development Awards or T32 Training Programs, contact Dr. Kevin Hardwick at 301-594-2765, kevin.hardwick@nih.gov

New initiatives.....

- www.nidcr.nih.gov
 - Current Funding Opportunities

- www.grants.gov
 - FOAs for all Federal Agencies



Questions



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