ttp://ruralhealth.und.edu



Identifying and Addressing Chronic Disease Among American Indian Elders

Twyla Baker-Demaray, MS, Daniel Fasteen, Mary Gattis, BS, Richard Ludtke, PhD, Leander R. McDonald, PhD, & Kim Ruliffson, BA



Prior Lake, MN
April 29, 2008
Funded by the Administration on Aging

Connecting resources and knowledge to strengthen the health of people in rural communities.



Center for Rural Health

- Established in 1980, at the University of North Dakota School of Medicine and Health Sciences in Grand Forks, ND
- Focuses on:
 - Education, Training, & Resource Awareness
 - Community Development & Technical Assistance
 - Native American Health
 - Rural Health Workforce
 - Rural Health Research
 - Rural Health Policy
- Web site: http://ruralhealth.und.edu

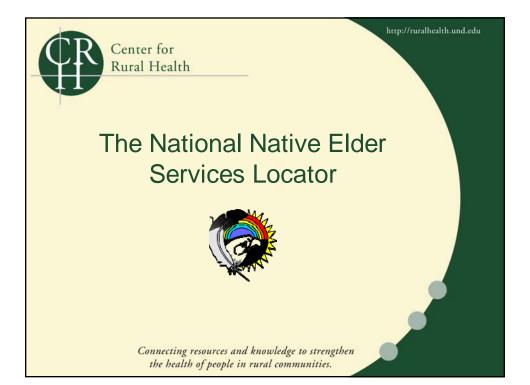


National Resource Center on Native American Aging



- Established in 1994, at the Center for Rural Health, University of North Dakota School of Medicine and Health Sciences
- Focuses on:
 - Education, Training, and Research
 - Community Development & Technical Assistance
 - Native Elder Health, Workforce, & Policy
- Web site: www.nrcnaa.org

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Acknowledgements

Funder:

This project is funded by Cooperative Agreement: 90-AM-3080-02 from the Administration on Aging.

Individual Contributors:

Title VI Directors and individuals from tribal entities who provided information during the phone interview. Also, Daniel Fasteen, Brian Barclay, Kim Ruliffson, Richard Ludtke, Twyla Baker-Demaray, Pam Ness, and Kaylee Compton, from the NRCNAA and the Center for Rural Health.

Organizational Contributors:

Administration on Aging, National Association of Area Agencies on Aging, specifically the Eldercare Locator, and Kauffman and Associates, Inc.

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Overview

The Native Elder Services Locator Project:

- Serves as a resource to assist Native elders, families and service providers to locate services in specific communities.
- Provides a networking resource to tribes seeking a model for the provision of long – term care services.



Background

- Title VI Directors were contacted by phone (July- August 2007) regarding the following questions:
 - Senior services, tribal management of services, site contact information, and interest in sharing information with the Eldercare Locator, N4A (National Association on Area Agencies on Aging).
- Data was merged into useable tables to map the results.
- Interactive mapping was created using a FLASH component and inserted into the NRCNAA website.

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Application

The Native Elder Service Locator can be used to:



- Find services in a tribal/village/homeland locations;
- Print the locations of all services located within each state;
- Print a list of information available at each tribal location;
- Print a list of all tribes participating in the project;
- Print a list of all tribes that have a specific service such as Emergency Medical Services; and
- Print a list of the service definitions as defined by the Administration on Aging

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Where is it located?

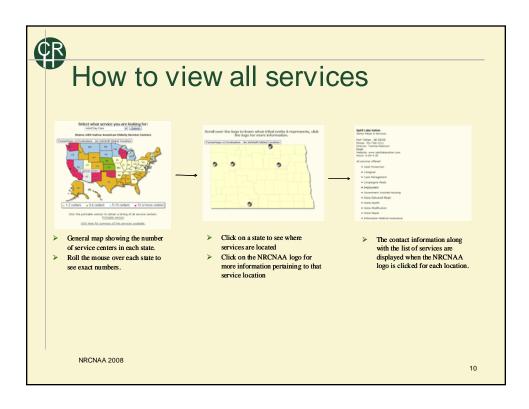
Go to our website at:

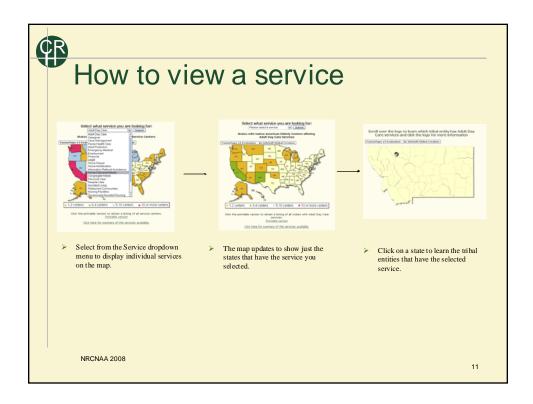
www.nrcnaa.org

And click on the Service Locator on the Left!

We will show you how to use this....

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Future Updates

This is a new project and we invite your feedback! Please feel free to share any comments about the project at:

800-896-7628.





What is the Heroes Project?

An opportunity to honor Title VI workers or any individuals who you feel have impacted the lives of elders in your community.



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Background Information

- Collaborative Project with AoA's 30th anniversary celebration year.
- Developed by our late Director, Dr. Alan Allery.

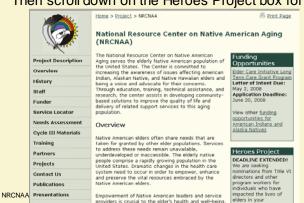
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How to Nominate a Hero:

- Go to: www.nrcnaa.org
- · Click on the box labeled Heroes Project
- Click to get to our website.
- Then scroll down on the Heroes Project box for a quick link.





What will we do with this information?

- Collect nominees by <u>September 30th, 2008.</u>
- Awardees (and those who nominated them) notified by October 2008.
- Awards sent to Community for local celebration in October- November, 2008.
- Create a booklet of Elder Heroes in Native committees that will be dispersed by the NRCNAA and AoA, and made available on the website.
- National Ceremony April, 2009.

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Bill Rossig Wiyot Tribe

- · World War II veteran.
- He coached youth football and baseball teams for 45 years,
- Built homes, children's playgrounds
- Started his own Elder Wood Program
- Volunteering for the Blue Lake Rancheria Elder Nutrition Program (even while through cancer treatments).

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Claire Hughes Hawaii

- Dr. Hughes is a respected Native Hawaiian elder.
- She partnered in developing use of the traditional Native Hawaiian Diet (THD)
- After retirement, she has been working for American Cancer Society in the Hawaiian communities.

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CR Gregorita Chavarria Kha'p'oo Owinge (Santa Clara Pueblo)

- Testified before the New Mexico Legislature for "Gregorita's Dream", a Regional Adult Day Care Facility which began construction this year.
- Her coherent mind and willingness to share her cultural knowledge was a blessing to us and left lasting momentous memories



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Do you have anyone in mind?

 Is there anyone <u>in your community</u> who has or continues to dedicate their time, talent, and energy to help our elders, to solve local problems, and to build stronger communities???

A tribal council member, a volunteer, a Title VI Director, a CHR????

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Contact Information:

Project Contact: Ann Miller

Toll Free: (800) 896-7628

e-mail: annmiller@medicine.nodak.edu

URL: www.nrcnaa.org

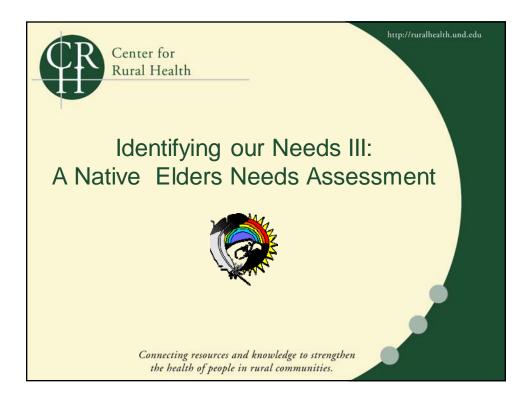
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Questions??



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The Needs Assessment Team

- Leander "Russ" McDonald, Ph.D Director
- · Richard Ludtke, Ph.D.
- Kyle Muus, Ph.D.
- Twyla Baker-Demaray, Research Analyst
- Kim Ruliffson, NRCNAA Project Coord.
- Joelle Ruthig, PhD, Research Associate
- Mary Gattis, Graduate Research Assistant
 - Kaylee Compton, Student Assistant
 - C.W. Hall, Student Assistant
 - Danny Fasteen, Student Assistant/GIS Coord.

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Purpose of the Project

- Assist tribes in collecting data useful for building infrastructure in their communities.
- Multiple methods are used throughout the study, primary method of data collection is the survey instrument (administered face-to-face with the elders).
- Fulfills requirements for tribes' Title VI Elder Nutrition program grant applications.

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Population

- Native American elders residing primarily on reservations
- Individuals age 55 and over living on or around Indian areas.
 - Age 55 is considered comparable to 65 and over in the general population

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Data is collected on

- · General health status
- Activities of Daily Living (ADL's)
- Instrumental Activities of Daily Living (IADL's)
- · Indicators of chronic disease
- Cancer screenings
- Access to healthcare
- Indicators of vision and hearing
- · Tobacco and alcohol use
- Nutrition and exercise
- Weight and weight control
- · Social supports

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National Resource Center Provides:

- Survey instruments a standardized tool
- Assistance with sampling
- Training on data collection
- Technical support
- Data entry
- Data analysis
- Statistical profiles of your elders
- · Comparisons with national norms

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Local Communities Provide:

- · A resolution from their tribal councils
- A list of names/subjects for the sample
- Data collection
- A repository for the findings and are responsible for getting them to the right people
- Local implementation and coordination

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Regional Variances

- · One size does not fit all
- Variation in regard to life expectancy and chronic disease
 - Ex. California Area life expectancy is close to the nations; however, Aberdeen Area is 64.3, a difference of 12.5 years.
 - Ex. Alaska Area has diabetes rate close to the general population at 14%; whereas, the majority of other regions are at 37% or higher.
- Once you seen one tribe you've only seen one tribe.

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Native Elder Issues

- Growing elder population with Boom generation
- Lower life expectancy
- Higher chronic disease rates
- · Higher health risk factors
- Lack of screening
- Lack of long-term care services in Indian Country
- Changing family structure

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The Framework

- Identifying Our Needs: A Survey of Elders I-III, funded by the Administration on Aging, provides technical assistance and training opportunities to conduct a needs assessment using an established model.
- The NRCNAA model uses:
 - Academically accepted design and methodology
 - Random sampling ensures fair subject selection
 - The results are independent from political influence
 - Informed consent, tribal approval, and tribal ownership ensure tribal sovereignty is protected
 - The model developed with input from Native elders and Native elder providers ensures respect for Native elders.

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Status of Project

- Cycle I
 - 190 tribes from 87 different sites are represented in national file
 - 9,403 Native elder participants have filled out the survey
 - At least one tribe from 11 of the 12 I.H.S. Regional Areas is represented in the national file

Cycle II

- 254 tribes from 75 sites representing 10,521 Native elders have completed Cycle II
- 17 tribes have resolutions on file and are now collecting data
- All 12 I.H.S. Regional Areas are represented in the national file

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Current Status of Project

Cycle III

- 298 Tribes/Alaska Native Villages/Hawaiian Homelands from 127 different sites are represented in national file
- 14,751 Native elder participants have filled out the NRCNAA survey, 774 have filled out the NSAIE survey, for a total of 15,565 AIANNH elders.
- All 12 I.H.S. Regional Areas are represented in the national file.

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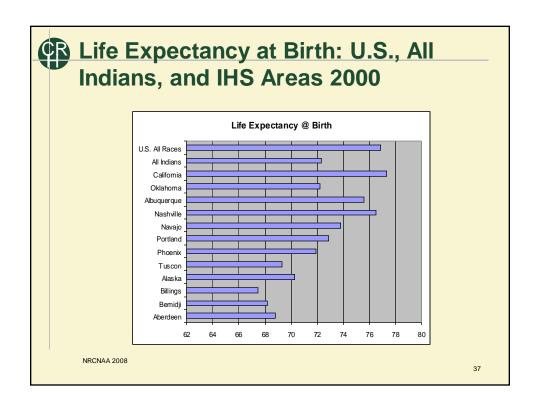


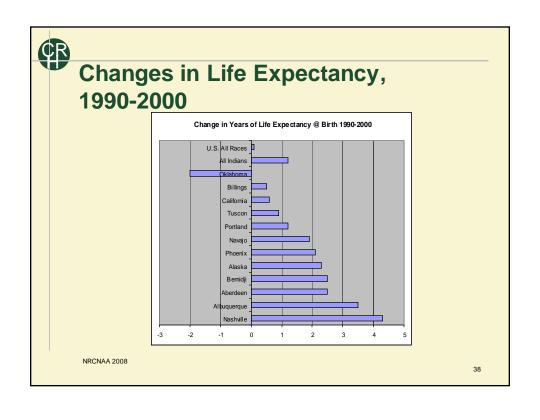
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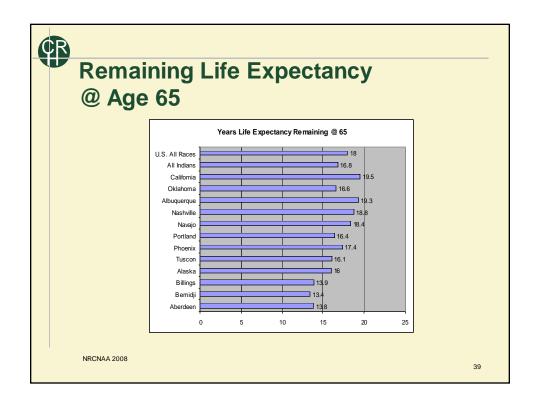
Demographic Change, Indian Aging, & Life Expectancy

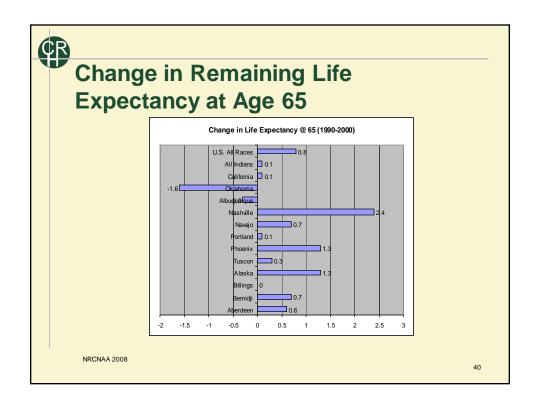


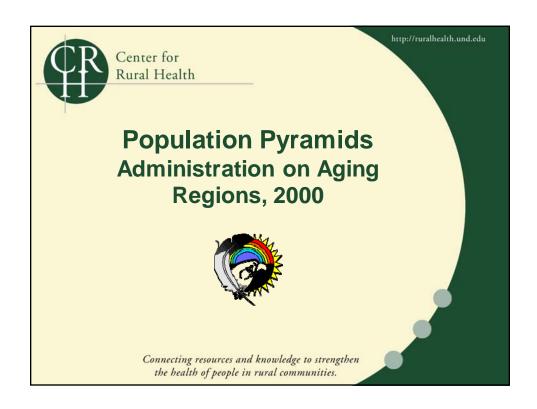
Connecting resources and knowledge to strengthen the health of people in rural communities.













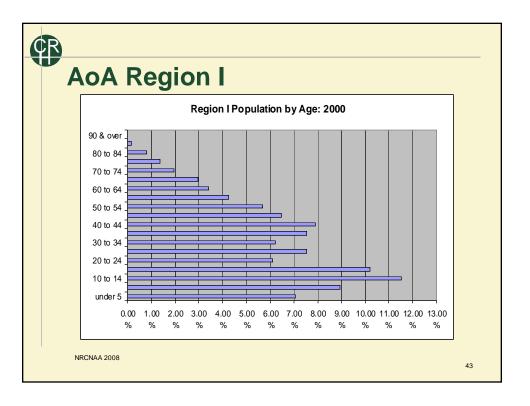
AoA Region I

Includes:

- Maine,
- Massachusetts,
- · Connecticut,
- New Hampshire
- Rhode Island
- Vermont

Region I





CR

AoA Region II and III

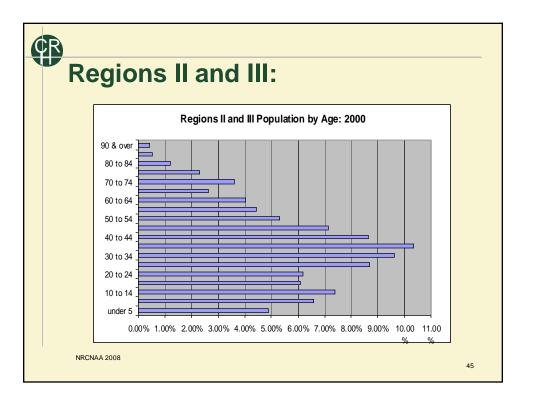
Includes:

- · New York,
- New Jersey,
- Puerto Rico,
- Virgin Islands,
- · District of Columbia,
- Delaware,
- Maryland,
- Pennsylvania,
- Virginia, &
- West Virginia

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Regions II & III



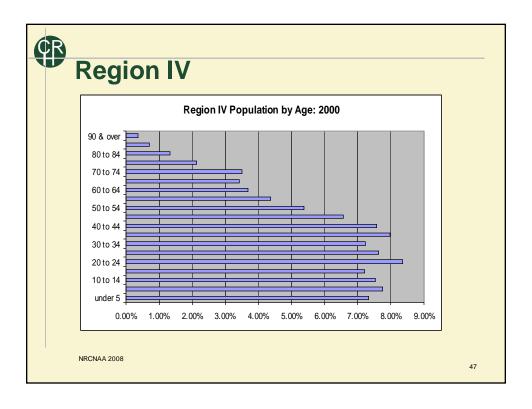


AoA Region IV

Includes:

- Alabama,
- Florida,
- · Georgia,
- Kentucky,
- · Mississippi,
- · North Carolina,
- South Carolina, &
- Tennessee





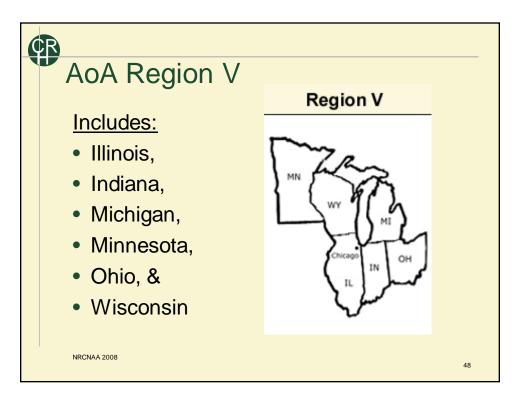
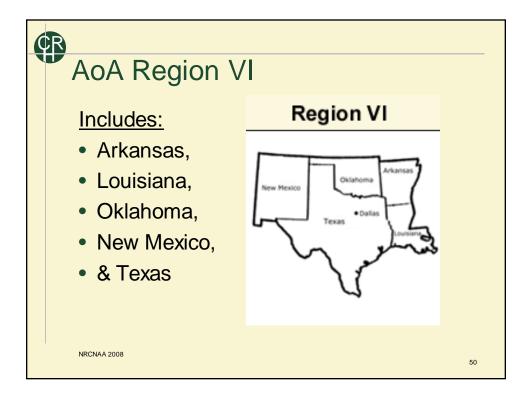
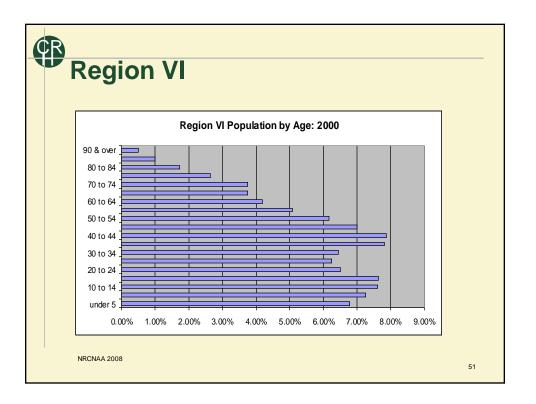




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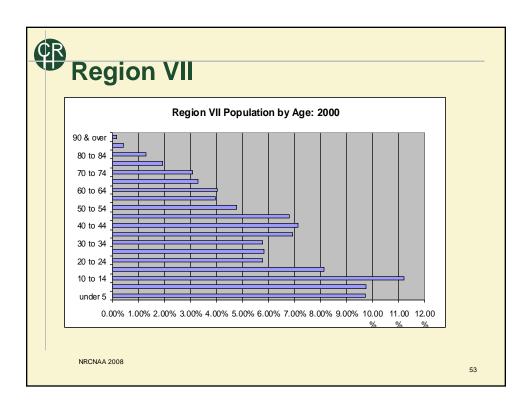




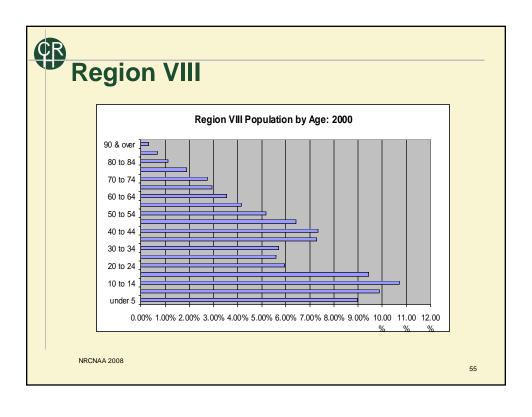
AoA Region VII

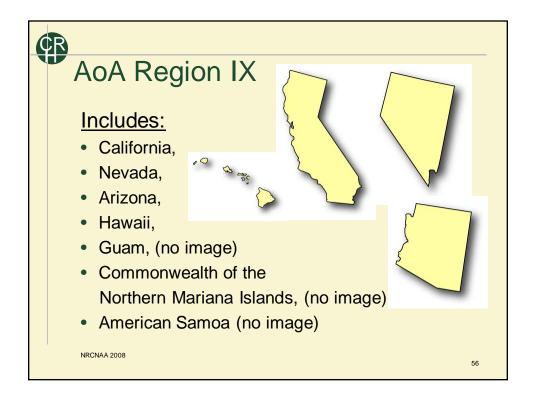
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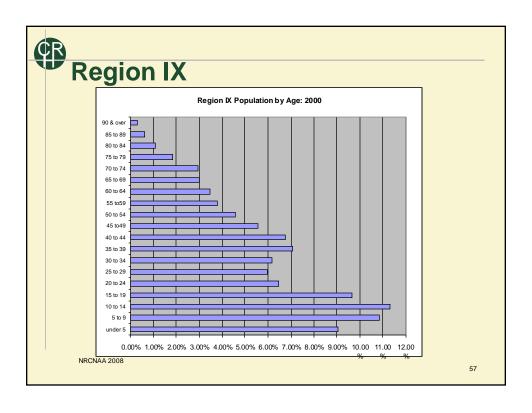
- Iowa,
- Kansas
- Missouri, &
- Nebraska

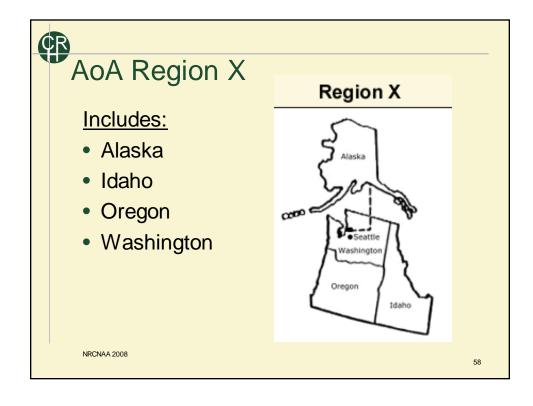


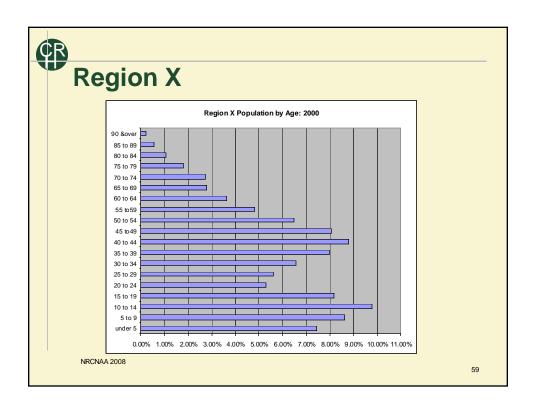
AoA Region VIII Includes: Colorado, Montana Utah, Wyoming, North Dakota, & South Dakota NRCNAA 2008

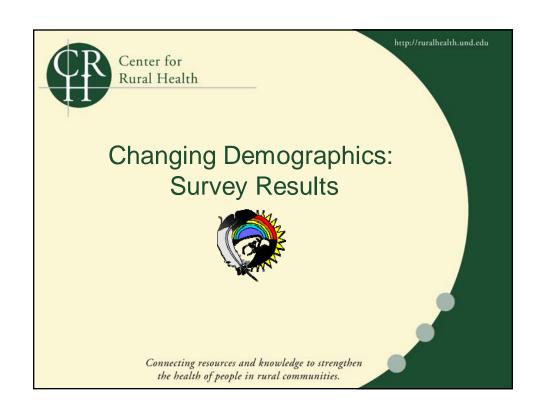


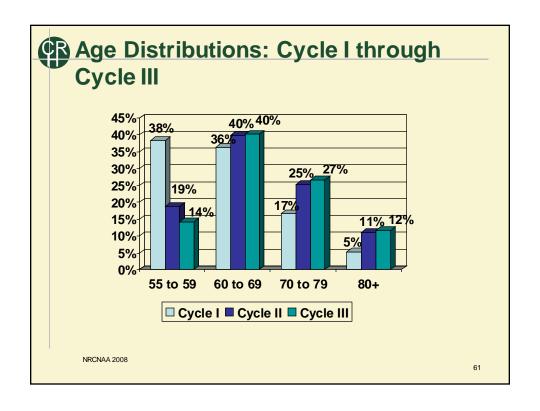


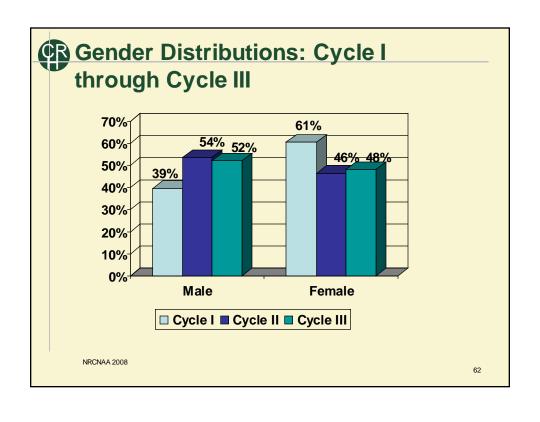


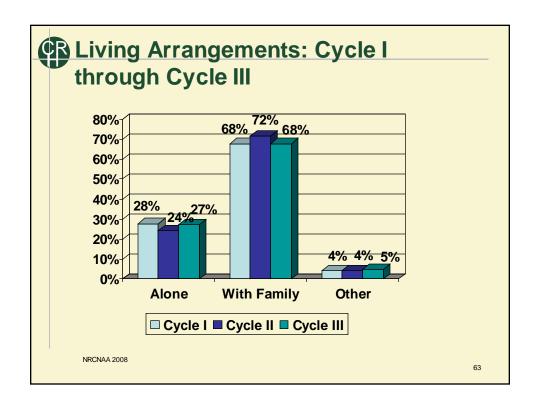


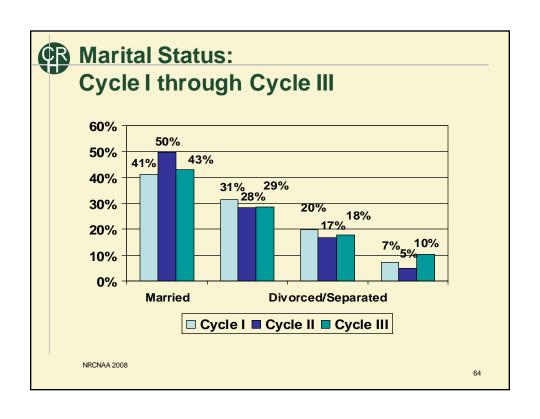


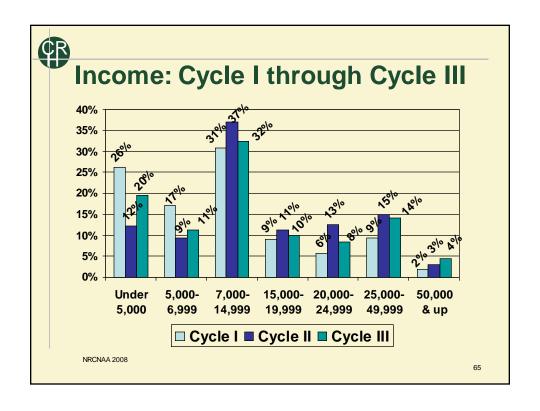


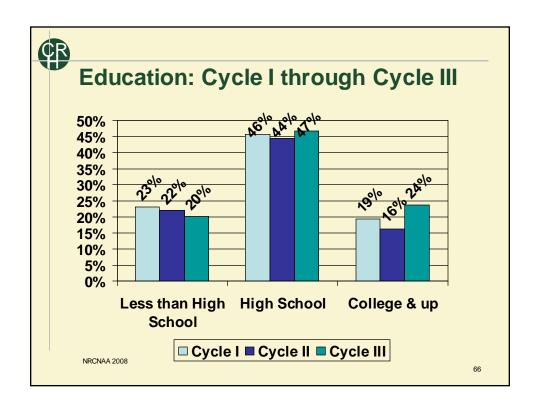


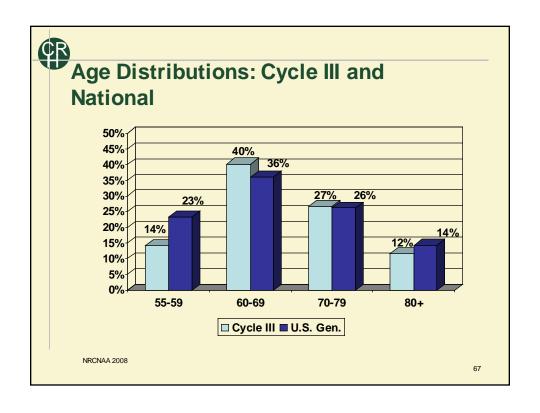


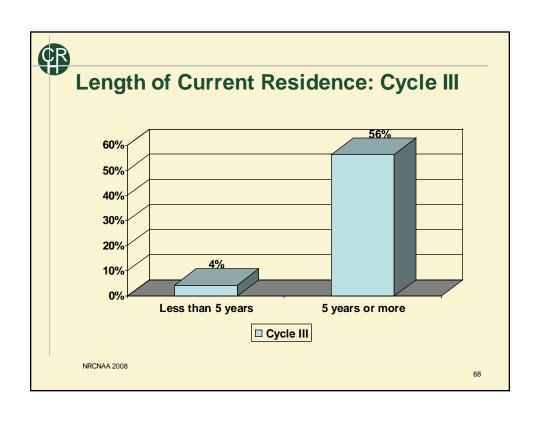


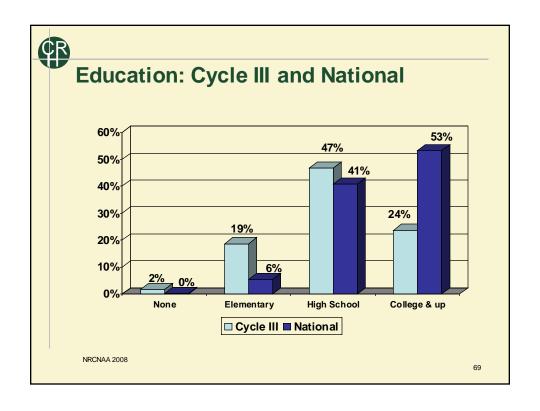


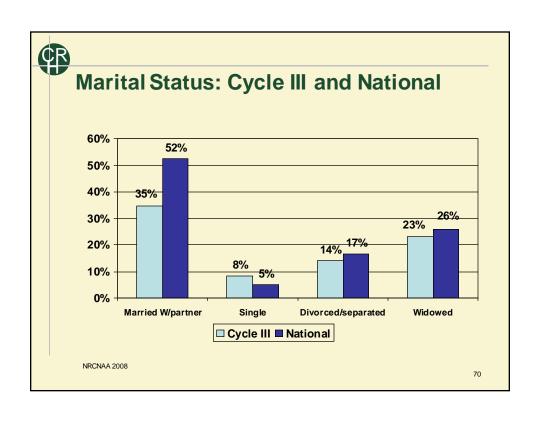


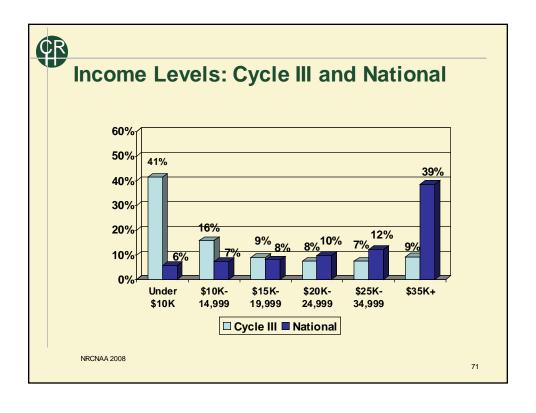


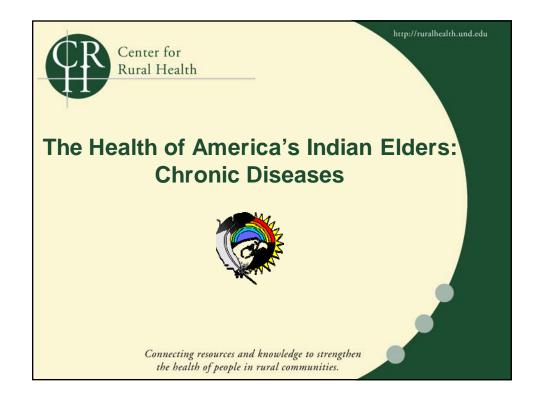


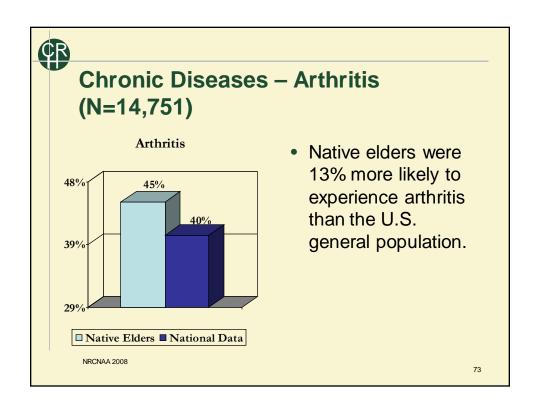


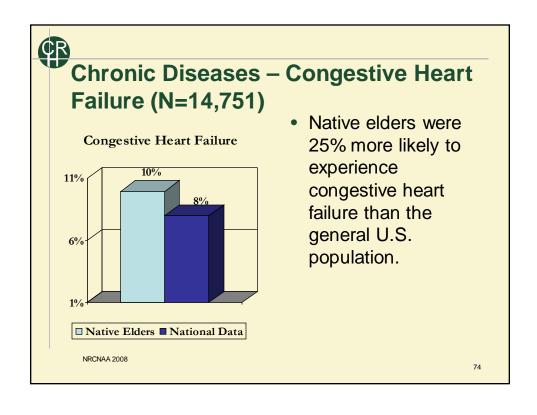


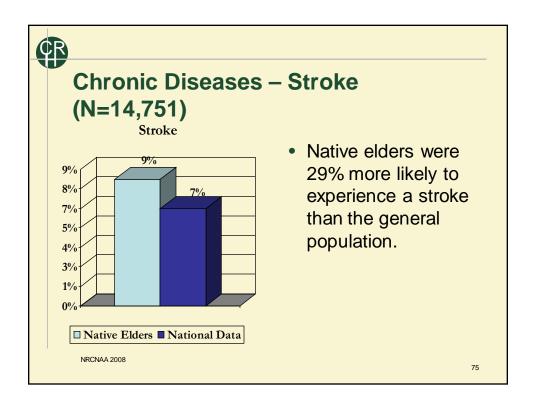


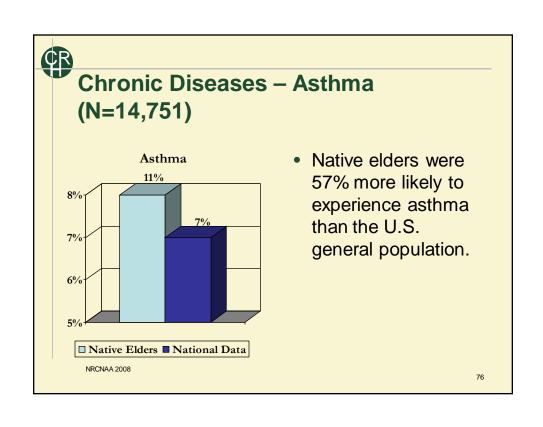


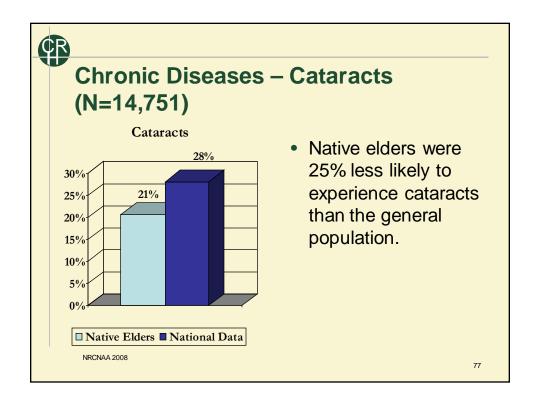


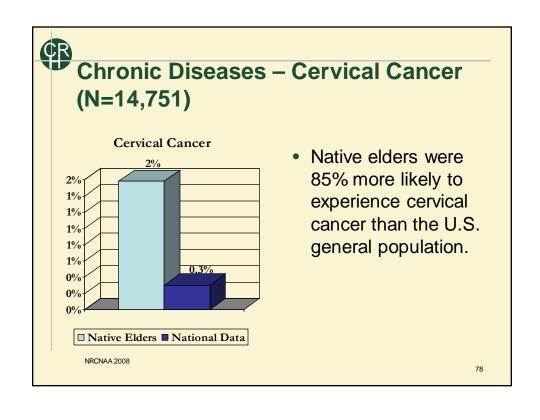


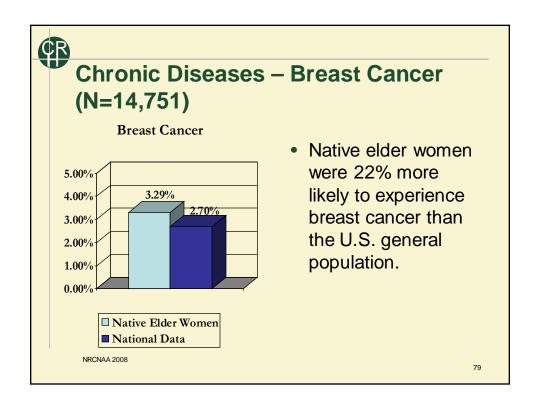


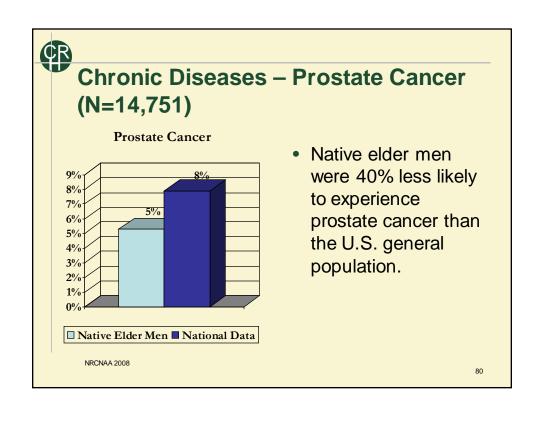


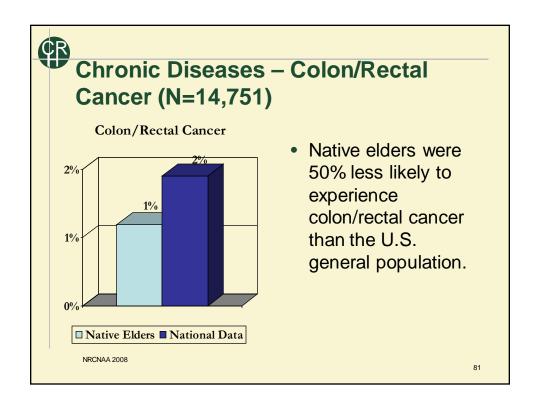


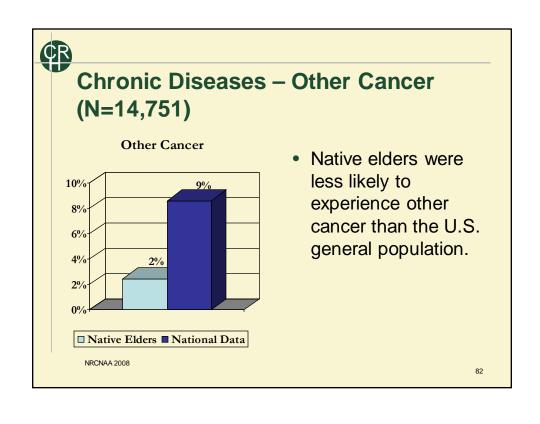


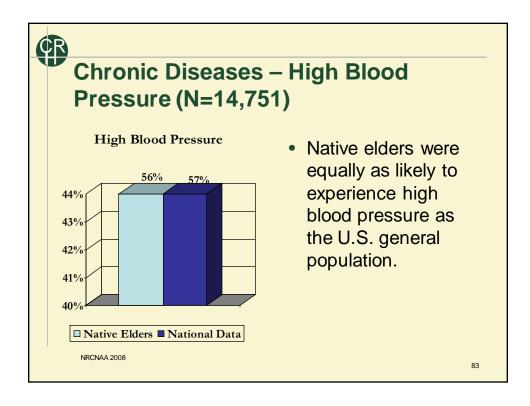


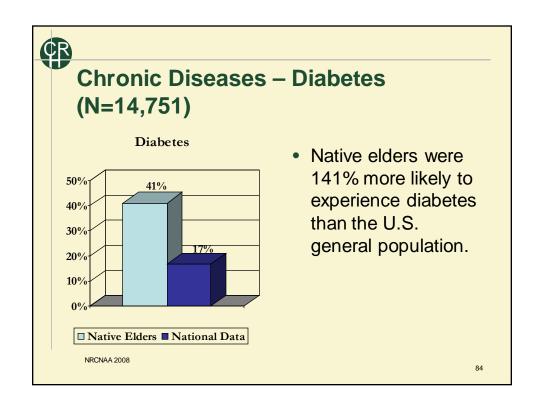


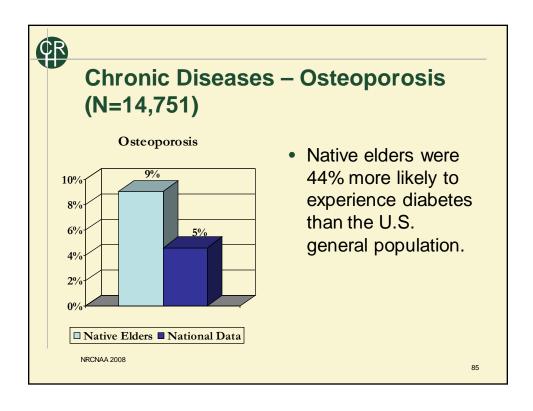


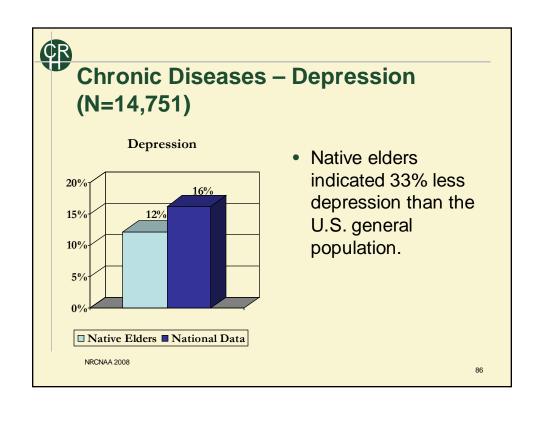
















Functional Limitations

 The majority of definitions concerning functional limitations or disability refer to activities of daily living (ADL's) and instrumental activities of daily living (IADL's) as indicators of functionality.

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Activities of Daily Living (ADL's)

- Eating
- Walking
- Using the toilet
- Dressing
- Bathing
- Getting in/out of bed

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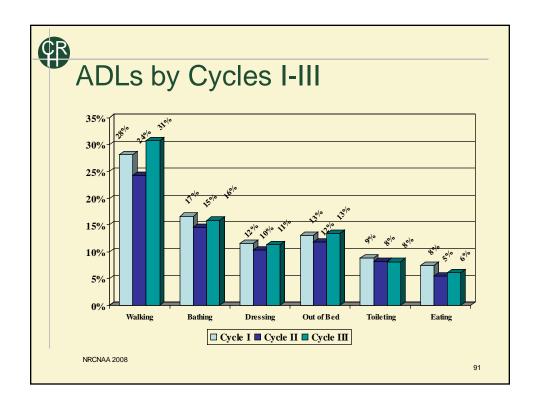


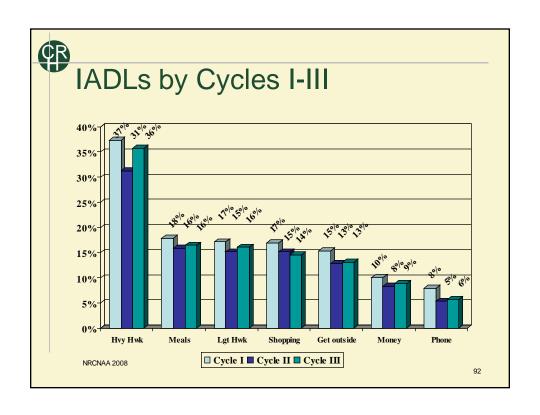
Instrumental Activities of Daily Living (IADL's)

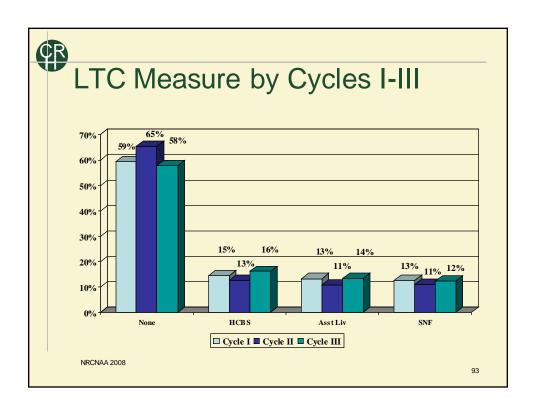
- Cooking
- Shopping
- Managing money
- Using a telephone
- Light housework
- Heavy housework
- Getting outside

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Functional Limitation Categories

Categories	Limitations	Recommended Services
Little or none	No ADL limitations, up to one IADL limitation	No Services Required
Moderate	One ADL limitation with fewer than 2 IADLs	Home and Community Based Services
Moderately Severe	2 ADL limitations	Assisted Living
Severe	3 or more ADL limitations	Skilled Nursing Facility

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Functional Limitation Levels Applied to Services and Personnel

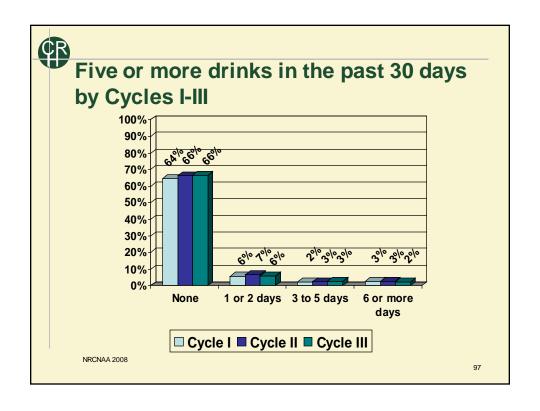
Level Functional Limitation	Service Goals	Services with best fit	Personnel required
Little or none (59%)	Health promotion, preventive care, maintaining vitality	No caregiver services required Health Promotion/Prevention	Health educators, physical trainers, therapists
Moderate (21%) This category represents entry level functional limitations and requires assistance usually consistent with remaining in one's home.	Supportive services to aid persons in remaining in own domicile. Train and support informal providers and buffer themwith respite and contact services for a range of possible tasks.	Informal care – w/supports Chronic Disease Management Home & community based *Day/night care* *Durable medical* equipment *Home health care* *Homemaker services* *Physical therapy *Occupational therapy *Medication assistance* *Speech therapy *Mental health services* *Transportation services* *Nutritional services* *Nutritional services* *Personal care* *Respite care* *Require local providers	Family and friends Trainer for skills Facility staff – LPN/CNA Rentalsource RN, LPN, CNA, PT, OT Cleaning and chore assts. PT, PT aides, tele-health OT, OT aids, tele-health Medication aide Speech therapist Psychologist, Psychiatrist, Psych. Social Worker, Van driver Dietician, aide Trained attendants Trained respite providers or institutional site

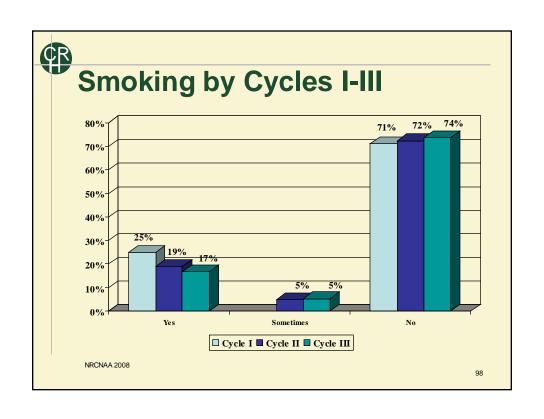
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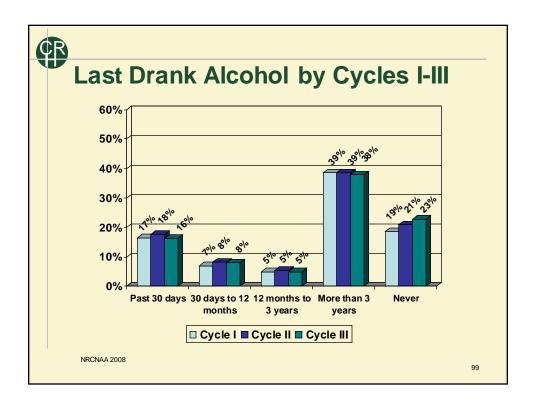


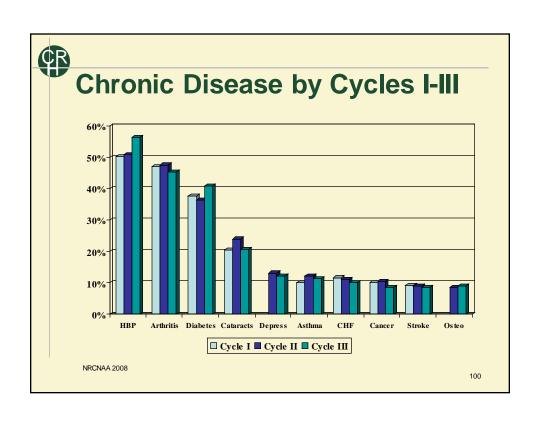
Functional Limitation Levels Applied to Services and Personnel Cont...

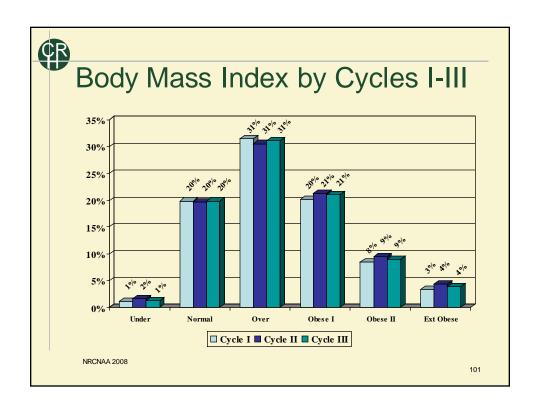
	0 11-000 11-00-01-01	Personnel required
The goal for this level of care is to provide housekeeping and meals along with a modest level of oversight. People may contact for services from the home and community based services in addition to the basic services found in these settings. Assisted living establishes the goal for this cluster in that it seeks to maintain resident control overservices.	Congregate care Basic care facilities Assisted Living	Institutional staff as required by state regulations
Skilled nursing care is the most fully institutional and is reserved for those with medical needs necessitating this level of care.	Skilled Nursing Care	Institutional staff as required by state regulations
End of life care occurs at all points on the above continuum, but is concentrated at the higher levels of limitation. The goal is physical and emotional comfort.	Hospice Care	*Hospice volunteers and coordinator
	provide housekeeping and meals along with a modest level of oversight. People may contact for services from the home and community based services in addition to the basic services found in these settings. Assisted living establishes the goal for this cluster in that it seeks to maintain resident control over services. Skilled nursing care is the most fully institutional and is reserved for those with medical needs necessitating this level of care. End of life care occurs at all points on the above continuum, but is concentrated at the higher levels of limitation. The goal is physical and	provide housekeeping and meals along with a modest level of oversight. People may contact for services from the home and community based services in addition to the basic services found in these settings. Assisted living establishes the goal for this cluster in that it seeks to maintain resident control over services. Skilled nursing care is the most fully institutional and is reserved for those with medical needs necessitating this level of care. End of life care occurs at all points on the above continuum, but is concentrated at the higher levels of limitation. The goal is physical and

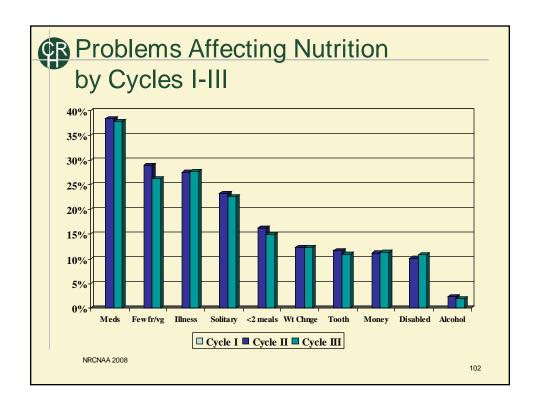


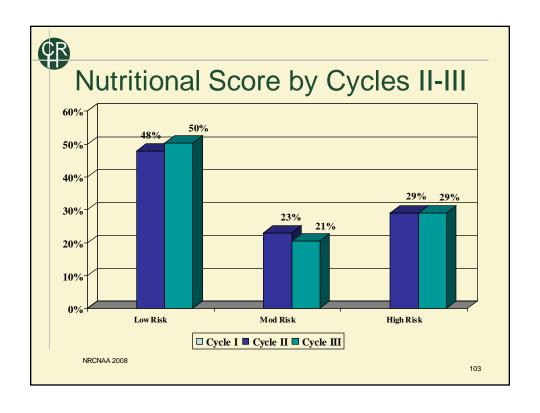


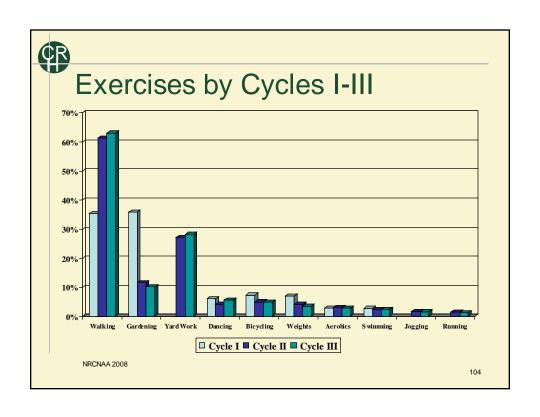














Conclusions

- Native elder populations are dramatically growing.
- Tribal recognition of age 55 for elder status includes those elders from the baby boom generation.

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Conclusions cont.

- Chronic diseases prevalence is mixed with several increasing and others steady.
- Increases may well relate to risk factors.
 - Exercise Walking increased dramatically in Cycles I to II, but nearly all other exercises decreased. The same trend is hinted at in Cycle III preliminary study.
 - Weight issues increased young old are heaviest.

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Recommendations

- Lifestyle modification continues to merit attention. Positive results for walking provide a major source of encouragement.
- Chronic disease self management will be essential to avoiding future functional limitations as this population grows older.

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