



Center for  
Rural Health

University of North Dakota  
School of Medicine & Health Sciences

<http://medicine.nodak.edu/crh>

## Native American Veterans Needs Assessment

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National Resource Center on Native American Aging

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



## Native American Veterans Needs Assessment

- Initiated in 2005
- Granting Agency: Bremer Foundation
- Assess health status, healthcare access, and health risk of American Indian (AI) veterans residing on North Dakota's four reservations.



## 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: <http://medicine.nodak.edu/crh/nrcnaa>



## DEMOGRAPHICS



Figure 1  
Gender: ND AI Vets

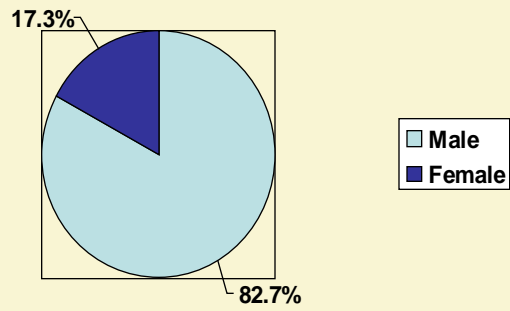
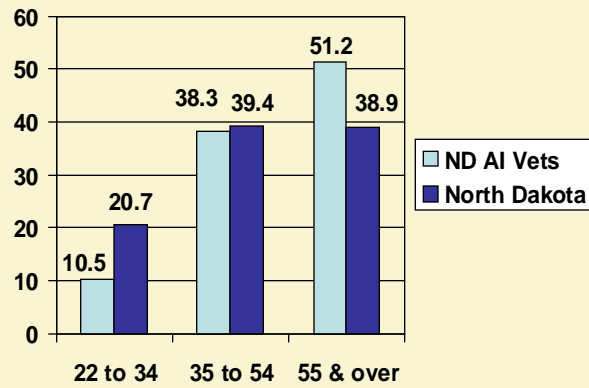
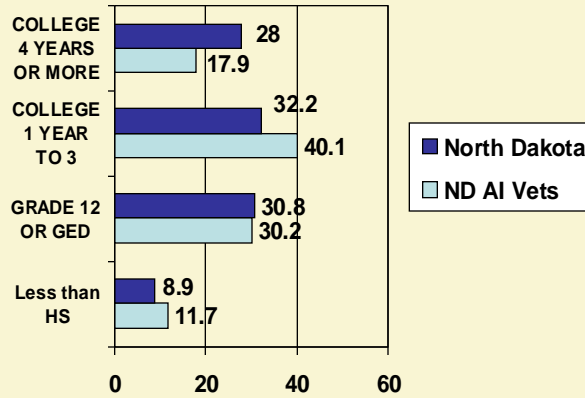


Figure 2  
Age Distribution: ND AI Vets and ND

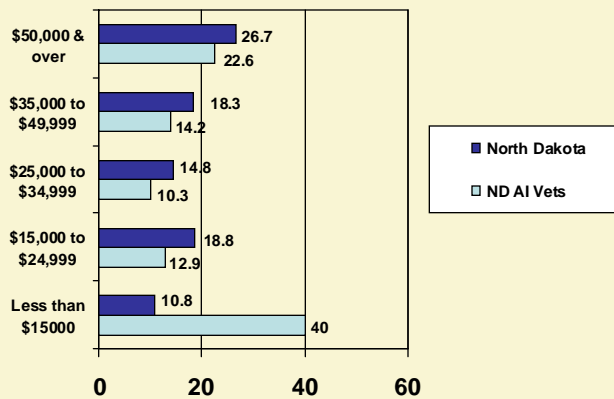




**Fig. 3**  
**Educational Levels: ND AI Vets and N D**

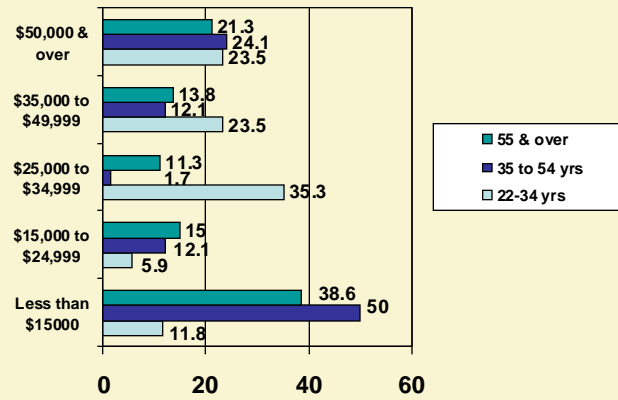


**Figure 4**  
**Income ND AI Vets & ND**





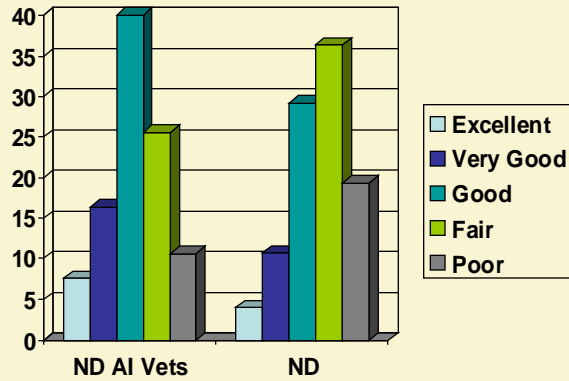
**Fig. 5**  
**Income by Age, N.D. Indian Vets and ND**



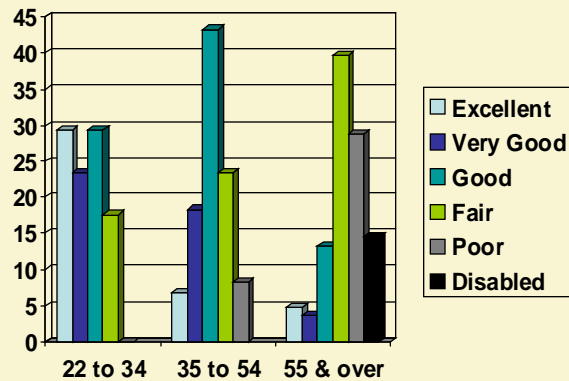
## Health Status of N.D. Indian Veterans



**Figure 6**  
**General Health Status: ND AI Vets and ND**



**Figure 7**  
**General Health Status by Age:**  
**ND AI Vets**

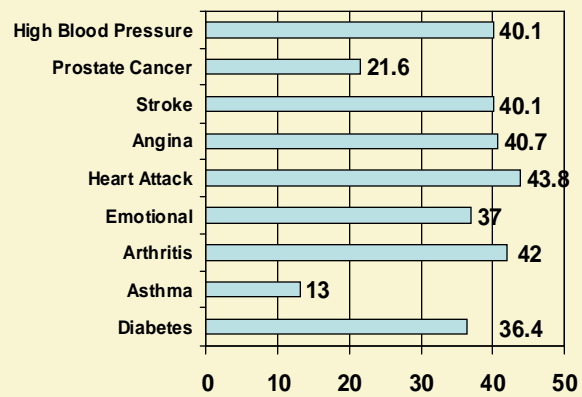




## CHRONIC DISEASES

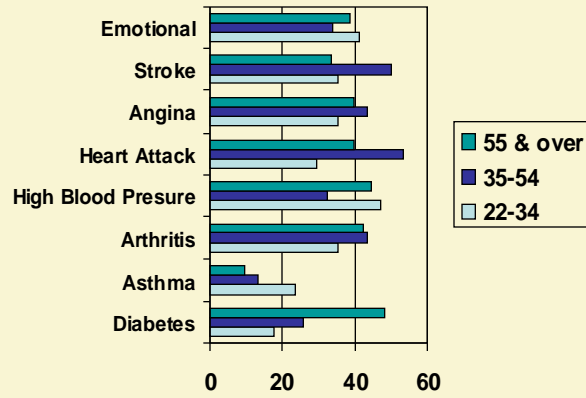


Figure 8  
Self Report Rates of Chronic Diseases: ND AI Vets

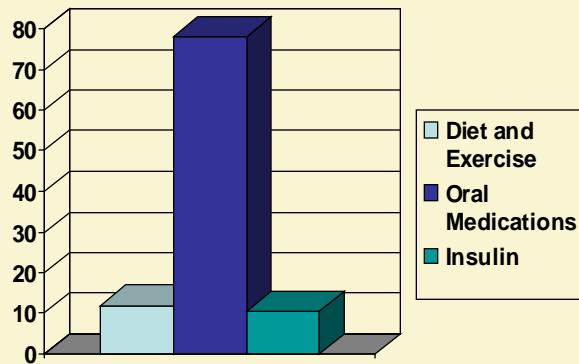




**Figure 9**  
**Chronic Diseases by Age: ND AI Vets**



**Figure 10**  
**Diabetes Treatment: ND AI Vets**



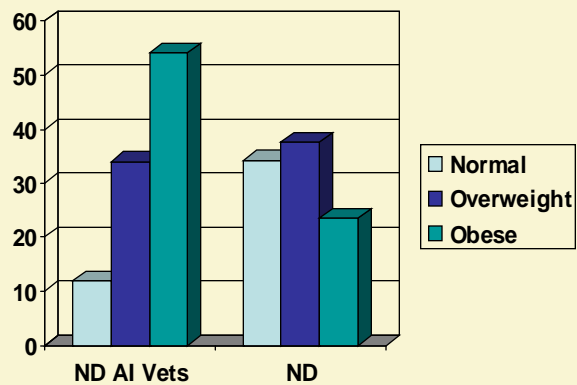


## BEHAVIORAL RISK FACTORS



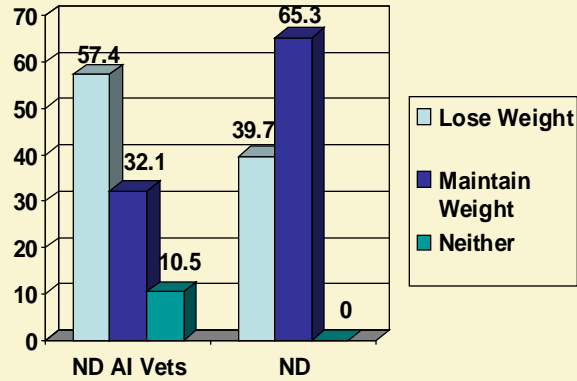
Figure 11

Body Mass Index (BMI) ND AI Vets

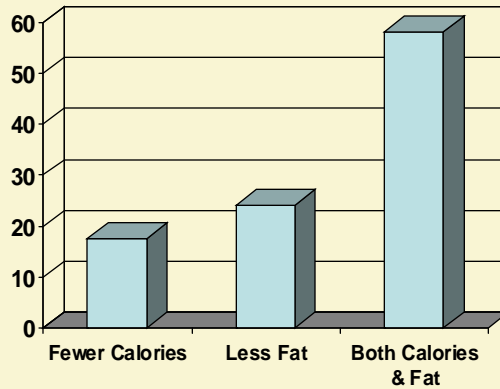




**Figure 12**  
**Weight Management Goals: ND AI Vets and ND**

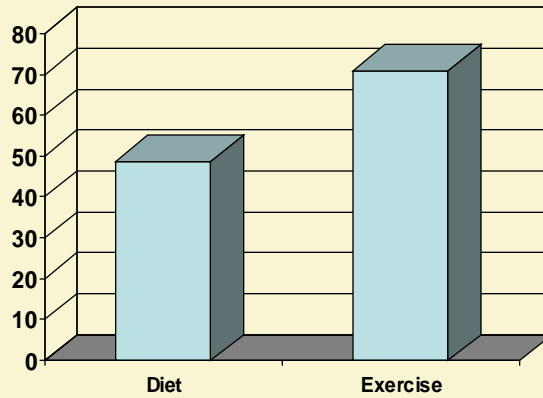


**Figure 13**  
**Weight Management for Weight Loss by Diet: ND AI Vets**





**Figure 14**  
**Weight Management Methods for Weight Loss:**  
**ND AI Vets**



**Figure 15**  
**Smoking: ND AI Vets**

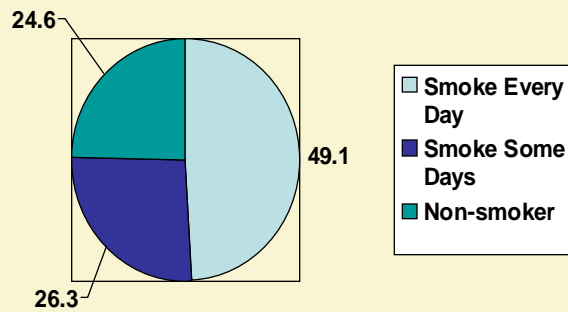




Figure 16

Current Non-cigarette Tobacco Use: ND AI Vets and ND

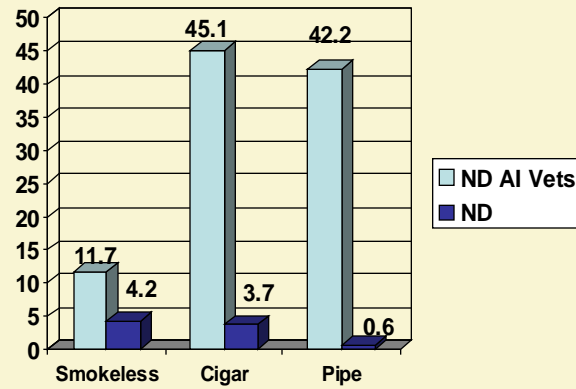
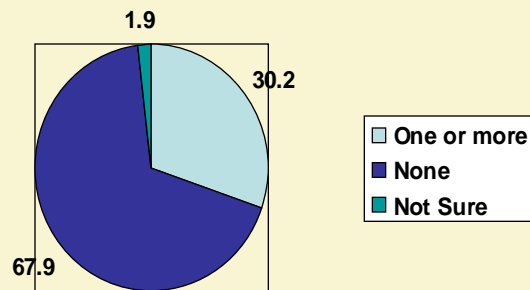


Figure 17

Alcohol Use – Had One or More Drinks in Past 30 Days: ND AI Vets





## In Last 30 Days, Among Those Who Drink

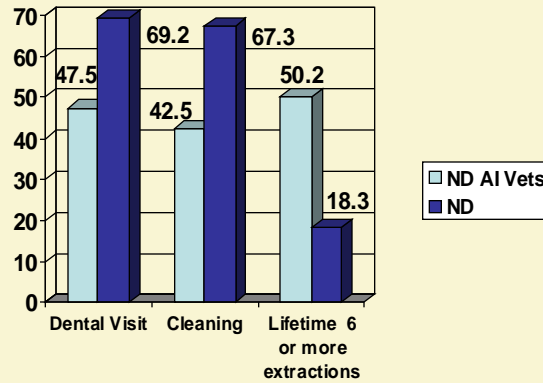
- Average number of drinks = 5.77
- Proportion of drinkers defined as chronic = 87.2%
- Average number of days with 5 or more drinks = 2.67
- Proportion of drinkers who binge = 56.9%
- Average number of days with drinking = 5.49



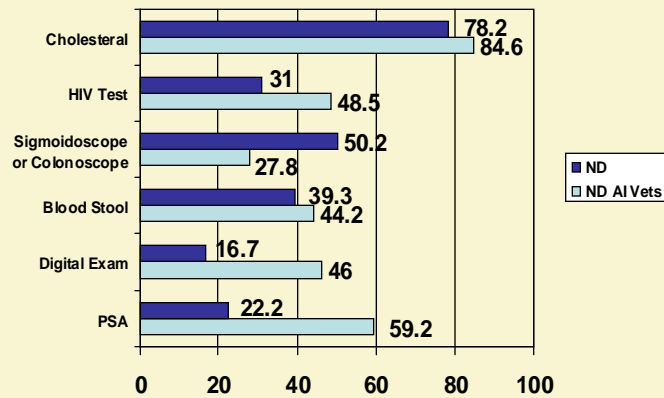
## Preventive Care



**Figure 18**  
**Dental Care in Past Year: ND AI Vets and ND**



**Figure 19**  
**Health Screenings: ND AI Vets and ND**





## Use of Services



Figure 20  
Health Coverage: N.D. Indian Vets

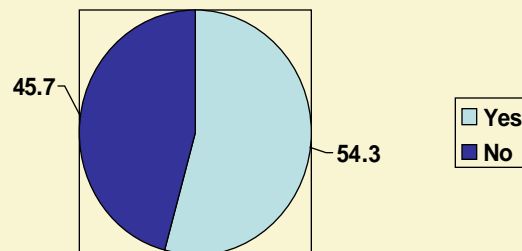




Figure 21  
Regular Doctor: ND AI Vets

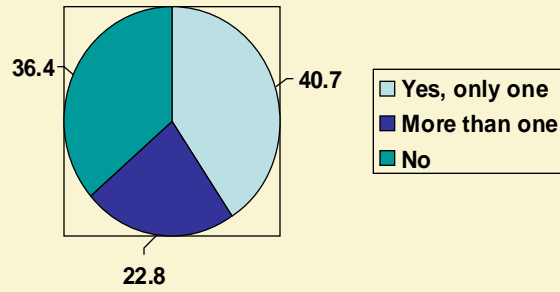
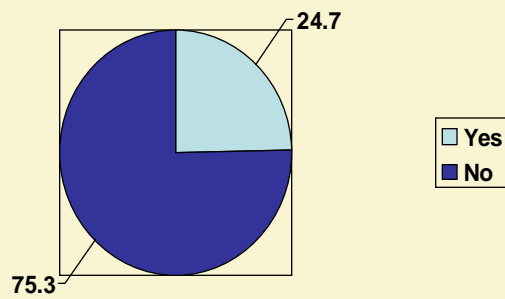
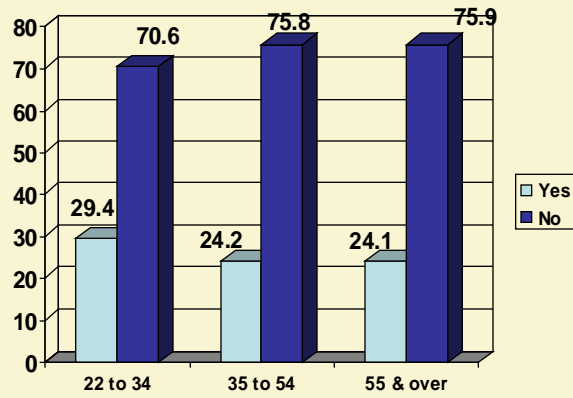


Figure 22  
Could Not Access Needed Care:  
ND AI Vets





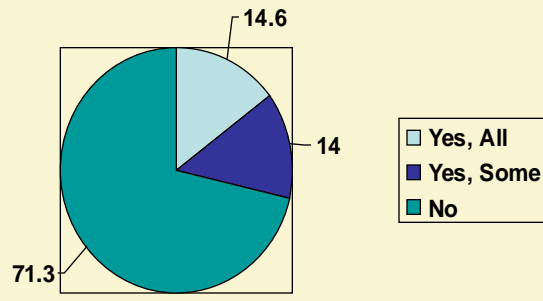
**Figure 23**  
**Unable to Access Needed Care by Age:**  
**ND AI Vets**



**VA Care**



**Figure 24**  
Received Care from VA: ND AI Vets



**Figure 25**  
Received Care from VA By Age: ND AI Vets

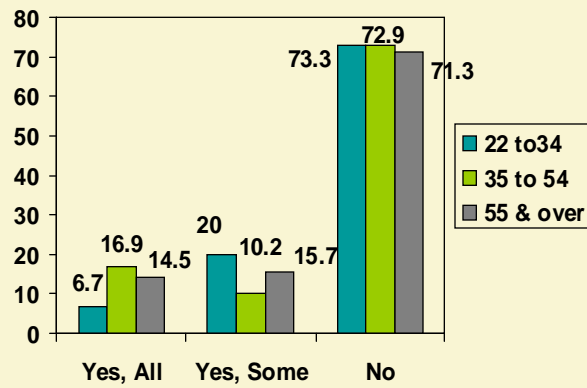




Figure 26

Use of VA Health Care by Chronic Diseases: ND AI Vets

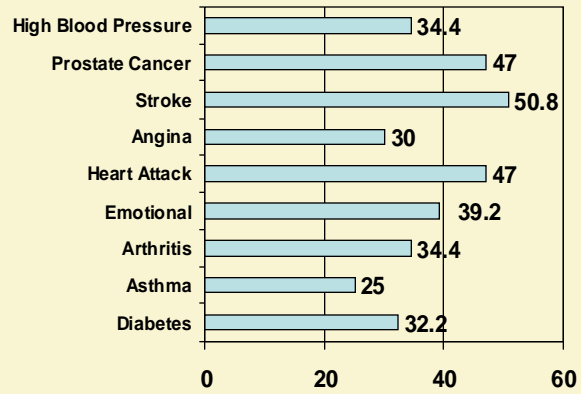


Figure 27

Unable to Access Care from VA:  
ND AI Vets

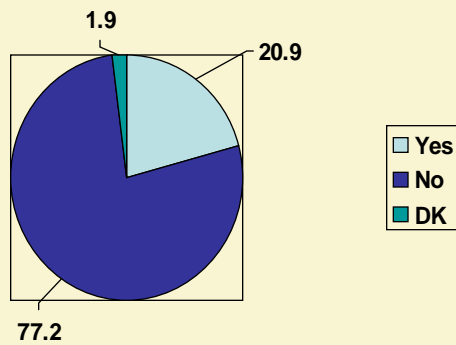




Figure 28

Unable to Access Care from VA By Age: ND AI Vets

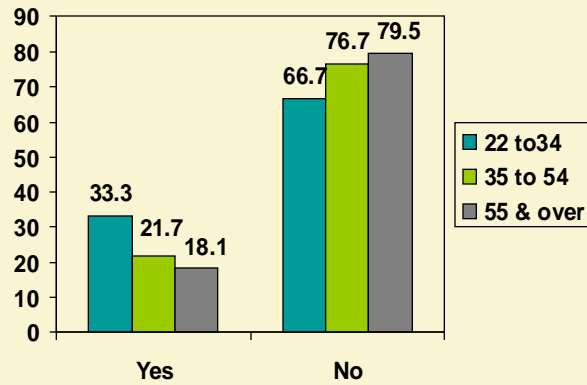
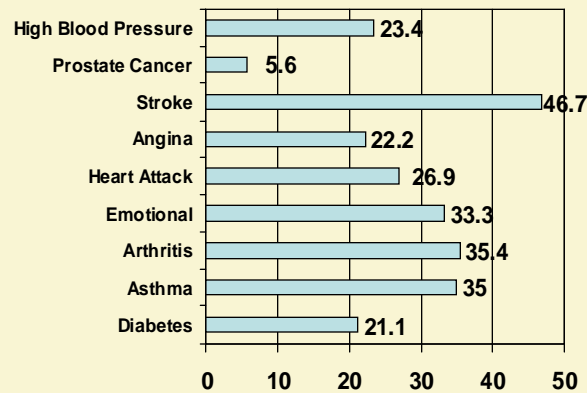


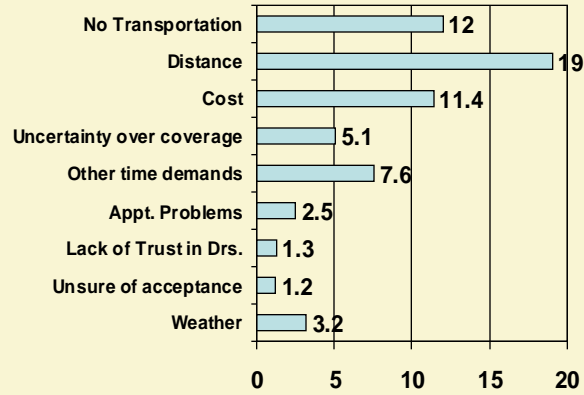
Figure 29

Unable to Access VA Health Care by Chronic Diseases: ND AI Vets

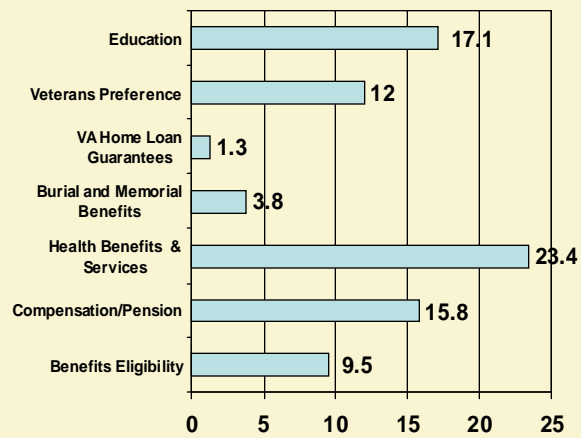




**Figure 30**  
**Reasons for Being Unable to Access VA Care**



**Figure 31**  
**Receipt of VA Outreach Services**





## IHS CARE



Figure 32  
Received Care from IHS:  
ND AI Vets

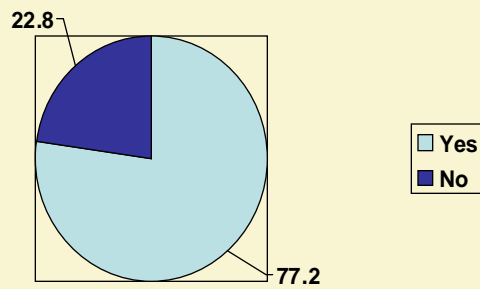




Figure 33

Unable to Access Care from IHS:  
ND AI Vets

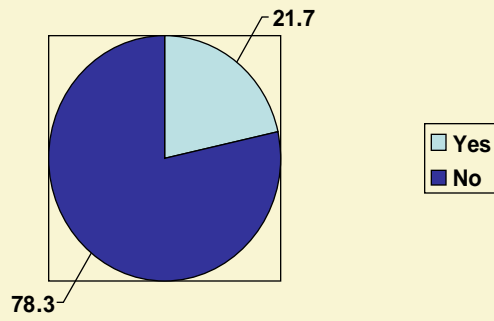
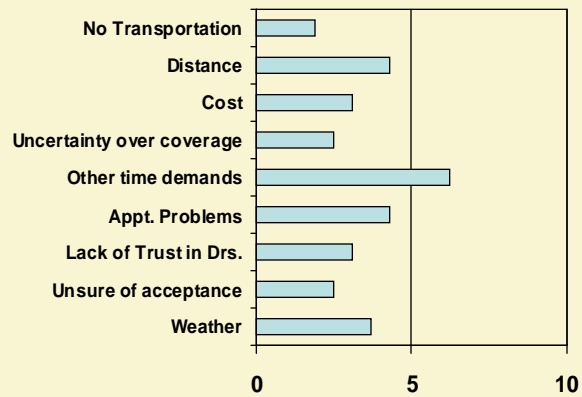


Figure 34

Reasons for Being Unable to Access IHS Care





## 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://medicine.nodak.edu/crh>



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