

**REPORT TO
SOUTHCENTRAL FOUNDATION
SOUTHEAST ALASKA REGIONAL HEALTH CONSORTIUM
YUKON KUSKOKWIM HEALTH CORPORATION**

**EARTH (EDUCATION AND RESEARCH TOWARDS HEALTH) RESEARCH PROJECT
Funded by the National Cancer Institute RO1 CA 96095
Prospective Study of Alaska Native and American Indian People
Project Period 2001-2008**



**OFFICE OF ALASKA NATIVE HEALTH RESEARCH
ALASKA NATIVE TRIBAL HEALTH CONSORTIUM
DECEMBER, 2008**



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INTRODUCTION

This report provides detailed information from the Alaska EARTH study, a large study conducted to identify risk and protective factors for multiple chronic diseases common among Alaska Native people. The research team and collaborators included factors thought to be most important to the disease conditions under study as well as information identified of interest by the collaborating tribal health organizations (THO).

These data were collected from Alaska Native participants between March 2004 and August 2006. A total of 3828 Alaska Native persons enrolled statewide, from three different regional tribal health organizations (Yukon-Kuskokwim Health Corporation, Southcentral Foundation, and Southeast Alaska Regional Health Corporation). The study was designed to provide information to the participants and health organizations as soon as possible. Study participants were given a complete, individualized health risk assessment, brief counseling, and copy of their results immediately on completion of their study visit. Each community that participated has been given a community profile of selective findings from all who participated in each community, and each THO has received a report of selected results of all participants in their region. Presentations of key findings have been made to THO Board and staff meetings, and other forums. Three newsletters have been sent to all participants and nearly all participants have been contacted by phone or mail at least once since the enrollment visit.

This report has been compiled to provide results of the EARTH study to Tribal Health Organization Boards, program directors, medical providers and others. This report has been prepared for internal use by the THOs, and includes results of all 3828 Alaska Native people who participated statewide.

The report is designed to provide results to every question and measurement in order to emphasize the wealth of information available from the study, and to provide the distribution of the responses by age and gender. Many manuscripts targeting specific topics with more detailed statistical analyses have been published, or are in process. A list of these manuscripts and their status is included at the end of this report. All publications are reviewed by Alaska Native Tribal Health Consortium and regional THOs prior to submitting for publication to the scientific community.

We hope these data are useful to THO staff and tribal governing Boards. If you have additional questions please feel free to contact persons listed on face page.

IMPORTANT NOTE ABOUT THE DATA

Participants were very cooperative and in general completed all questions. Occasionally, a specific question was NOT answered (missing). The missing rate for nearly all questions was under 1%. Most questions allowed the participant to select 'don't know'. The number who answered 'don't know' or missing is generally very small. The percents are based on the total number of respondents who **ANSWERED** each question excluding those who selected 'don't know' and missing.

We report overall and by gender the number and percentage of respondents who answered each question. Beginning on page 129, we report the number and percentage who answered each question in a particular way for each of four age groups. In this section the percentages do not total to 100% down the columns. The percentages indicate what proportion of each age group answered in the manner indicated. Age-specific results for Medical Measurements were included in the main tables beginning on page 13.

We have sequentially numbered the questions in this report for your convenience. There are codes in the margins beside many questions. These codes are the original designators from the survey and indicate the section in which the question was asked. Questions that do not have a corresponding code were created during our analysis.

Again our thanks for the interest, enthusiasm, cooperation and collaboration from the many, many people who helped complete the initial enrollment phase of this study as well as members of the research team, tribal and scientific advisors.

General Demographics

1. Gender

Gender	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Gender	1506	(39.3)	2322	(60.7)	3,828	(100.0)
Response Total	1506	(39.3)	2322	(60.7)	3,828	(100.0)
Don't Know	0		0		0	
Missing	0		0		0	
TOTAL	1506		2322		3828	

2a. Age Groups

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-19	117	(7.8)	137	(5.9)	254	(6.6)
20-29	343	(22.8)	489	(21.1)	832	(21.7)
30-39	284	(18.9)	508	(21.9)	792	(20.7)
40-49	381	(25.3)	568	(24.5)	949	(24.8)
50-59	230	(15.3)	339	(14.6)	569	(14.9)
60-69	99	(6.6)	176	(7.6)	275	(7.2)
70-79	41	(2.7)	84	(3.6)	125	(3.3)
≥80	11	(0.7)	21	(0.9)	32	(0.8)
Response Total	1506	(100.0)	2322	(100.0)	3828	(100.0)
Don't Know	0		0		0	
Missing	0		0		0	
TOTAL	1506		2322		3828	

2b. Age Groups used for Sub-analysis

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	309	(20.5)	385	(16.6)	694	(18.1)
25-44	637	(42.3)	1052	(45.3)	1689	(44.1)
45-59	409	(27.2)	604	(26.0)	1013	(26.5)
60+	151	(10.0)	281	(12.1)	432	(11.3)

General Demographics

3. What is your race? Answer all that apply.

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Alaska Native/American Indian	1503	(99.8)	2317	(99.8)	3,820	(99.8)
Asian	4	(0.3)	11	(0.5)	15	(0.4)
Black	7	(0.5)	5	(0.2)	12	(0.3)
Hawaiian/Pacific Native	5	(0.3)	3	(0.1)	8	(0.2)
White	65	(4.3)	109	(4.7)	174	(4.5)
Other	18	(1.2)	32	(1.4)	50	(1.3)
Response Total	1602 (106.4)*		2477 (106.7)*		4079 (106.5)*	
Don't Know	0		0		0	
Missing	0		1		1	
TOTAL PARTICIPANTS	1506		2322		3828	

* Participants were allowed to give multiple responses.

4. What is your ethnicity? Answer all that apply.

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Aleut	110	(7.4)	212	(9.2)	322	(8.5)
Athabascan	146	(9.8)	244	(10.6)	390	(10.3)
Cup'ik	14	(0.9)	29	(1.3)	43	(1.1)
Haida	75	(5.0)	117	(5.1)	192	(5.1)
Inupaiq	142	(9.5)	262	(11.4)	404	(10.7)
Siberian Yup'ik	4	(0.3)	17	(0.7)	21	(0.6)
Tlingit	308	(20.6)	512	(22.3)	820	(21.7)
Tsimshian	24	(1.6)	53	(2.3)	77	(2.0)
Yup'ik	813	(54.4)	1076	(46.9)	1,889	(49.9)
Other Indians (Contiguous U.S.)	71	(4.8)	134	(5.8)	205	(5.4)
	0	(0.0)	0	(0.0)	0	(0.0)
Response Total	1707 (114.3)*		2656 (115.6)*		4363 (115.3)*	
Don't Know	1		4		5	
Missing	0		1		1	
TOTAL	1506		2322		3828	

* Participants were allowed to give multiple responses.

General Demographics

5. Are you Spanish, Hispanic, or Latino?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Spanish, Hispanic, or Latino	20	(1.3)	59	(2.5)	79	(2.1)
Not Spanish, Hispanic, or Latino	1483	(98.7)	2261	(97.5)	3744	(97.9)
Response Total	1503	(100.0)	2320	(100.0)	3823	(100.0)
Don't Know	1		2		3	
Missing	2		0		2	
TOTAL	1506		2322		3828	

6. In what regional corporation are you enrolled?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Ahtna	5	(0.3)	14	(0.6)	19	(0.5)
Aleut	18	(1.2)	19	(0.8)	37	(1.0)
Arctic Slope	11	(0.8)	30	(1.3)	41	(1.1)
Bering Straits	54	(3.7)	92	(4.1)	146	(3.9)
Bristol Bay	52	(3.6)	91	(4.0)	143	(3.8)
Calista	616	(42.1)	819	(36.1)	1435	(38.5)
Chugach Alaska	12	(0.8)	17	(0.7)	29	(0.8)
Cook Inlet	59	(4.0)	128	(5.6)	187	(5.0)
Doyon	53	(3.6)	97	(4.3)	150	(4.0)
Koniaq Inc.	13	(0.9)	34	(1.5)	47	(1.3)
Nana Inc.	33	(2.3)	59	(2.6)	92	(2.5)
Sealaska Corp.	295	(20.2)	471	(20.8)	766	(20.5)
13th regional corp.	11	(0.8)	12	(0.5)	23	(0.6)
None	231	(15.8)	386	(17.0)	617	(16.5)
Response Total	1463	(100.0)	2269	(100.0)	3732	(100.0)
Don't Know	39		45		84	
Missing	4		8		12	
TOTAL	1506		2322		3828	

General Demographics

7. What is the highest grade or year of school or college that you have completed?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Grade 1-11	370	(24.6)	467	(20.1)	837	(21.9)
High School Graduate	465	(30.9)	579	(25.0)	1044	(27.3)
GED	167	(11.1)	198	(8.5)	365	(9.5)
Some Vocational or Technical School	71	(4.7)	88	(3.8)	159	(4.2)
Technical School Degree or certificate	101	(6.7)	122	(5.3)	223	(5.8)
Associate Degree	43	(2.9)	120	(5.2)	163	(4.3)
Some College, but no degree	223	(14.8)	547	(23.6)	770	(20.1)
Bachelor's Degree	34	(2.3)	125	(5.4)	159	(4.2)
Graduate or professional degree	13	(0.9)	40	(1.7)	53	(1.4)
Never attended school	6	(0.4)	11	(0.5)	17	(0.4)
Other	13	(0.9)	22	(0.9)	35	(0.9)
Response Total	1506	(100.0)	2319	(100.0)	3825	(100.0)
Don't Know	0		1		1	
Missing	0		2		2	
TOTAL	1506		2322		3828	

General Demographics

8. Employment

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Currently employed for wages	476	(31.7)	1121	(48.4)	1597	(41.9)
Out of work for more than 1 year	176	(11.7)	147	(6.4)	323	(8.5)
Out of work for less than 1 year	247	(16.5)	207	(8.9)	454	(11.9)
Between seasonal jobs	258	(17.2)	105	(4.5)	363	(9.5)
A homemaker	3	(0.2)	285	(12.3)	288	(7.6)
A student	71	(4.7)	92	(4.0)	163	(4.3)
Retired	113	(7.5)	186	(8.0)	299	(7.8)
Self-employed	62	(4.1)	60	(2.6)	122	(3.2)
Other	94	(6.3)	111	(4.8)	205	(5.4)
Disabled	0	(0.0)	0	(0.0)	0	(0.0)
Response Total	1500	(100.0)	2314	(100.0)	3814	(100.0)
Don't Know	4		5		9	
Missing	2		3		5	
TOTAL	1506		2322		3828	

General Demographics

Questions on income and working are used to describe the population. These questions may be sensitive to some people; all information is confidential.

These questions have to do with family finances. We know from other research that financial strain is common and very important in understanding people's health. The following questions will be used to help give us a picture of the various financial situations experienced by people in the study.

(L1) 9. Which of the following best describes your total annual household income from all sources before taxes last year? This includes the total income before taxes from jobs, net income from business, farm, or rent, pensions, dividends, welfare, social security payments and other money received by you and any other household member living with you.

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
≤\$5000	278	(21.8)	301	(15.1)	579	(17.7)
\$5001.00-\$10,000	185	(14.5)	204	(10.2)	389	(11.9)
\$10,001 - \$15,000	160	(12.5)	215	(10.8)	375	(11.5)
\$15,001 - \$20,000	116	(9.1)	171	(8.6)	287	(8.8)
\$20,001 - \$25,000	99	(7.8)	140	(7.0)	239	(7.3)
\$25,001 - \$30,000	85	(6.7)	165	(8.3)	250	(7.6)
\$30,001 - \$35,000	53	(4.2)	147	(7.4)	200	(6.1)
\$35,001 - \$40,000	79	(6.2)	152	(7.6)	231	(7.1)
\$40,001 - \$50,000	69	(5.4)	144	(7.2)	213	(6.5)
\$50,001 - \$75,000	87	(6.8)	191	(9.6)	278	(8.5)
\$75,001 - \$99,999	36	(2.8)	86	(4.3)	122	(3.7)
≥\$100,000	28	(2.2)	77	(3.9)	105	(3.2)
Response Total	1275	(100.0)	1993	(100.0)	3268	(100.0)
Don't Know	0		2		2	
Missing	231		327		558	
TOTAL	1506		2322		3828	

General Demographics

(L2) 10. Including you, how many people are supported by this income?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
1 person	308	(27.9)	341	(18.3)	649	(21.9)
2-3 persons	393	(35.6)	713	(38.3)	1106	(37.3)
4-5 persons	248	(22.5)	510	(27.4)	758	(25.5)
6 or more persons	155	(14.0)	299	(16.0)	454	(15.3)
Response Total	1104	(100.0)	1863	(100.0)	2967	(100.0)
Don't Know	0		0		0	
Missing	171		130		301	
TOTAL	1275		1993		3268	

(L3) 11. How many of these are children under 18?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
No children under 18	533	(48.4)	638	(34.3)	1171	(39.5)
1 child	196	(17.8)	372	(20.0)	568	(19.2)
2-3 children	248	(22.5)	599	(32.2)	847	(28.6)
4-5 children	93	(8.4)	195	(10.5)	288	(9.7)
6 or more children	32	(2.9)	56	(3.0)	88	(3.0)
Response Total	1102	(100.0)	1860	(100.0)	2962	(100.0)
Don't Know	0		0		0	
Missing	2		3		5	
TOTAL	1104		1863		2967	

General Demographics

(L4) 12. How many of these are adults 65 and older?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
No seniors	883	(80.4)	1611	(86.7)	2494	(84.3)
1 person	153	(13.9)	181	(9.7)	334	(11.3)
2 persons	51	(4.6)	60	(3.2)	111	(3.8)
3 or more persons	11	(1.0)	7	(0.4)	18	(0.6)
Response Total	1098	(100.0)	1859	(100.0)	2957	(100.0)
Don't Know	0		0		0	
Missing	6		4		10	
TOTAL	1104		1863		2967	

13. Marital Status

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Married	405	(27.0)	950	(41.1)	1355	(35.5)
Living as married	111	(7.4)	166	(7.2)	277	(7.3)
Widowed	42	(2.8)	140	(6.1)	182	(4.8)
Divorced	141	(9.4)	267	(11.5)	408	(10.7)
Separated	60	(4.0)	135	(5.8)	195	(5.1)
Never married	742	(49.4)	654	(28.3)	1396	(36.6)
Response Total	1501	(100.0)	2312	(100.0)	3813	(100.0)
Don't Know	3		0		3	
Missing	2		10		12	
TOTAL	1506		2322		3828	

General Demographics

14. How long have you lived at your current address?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
<1 year	285	(19.3)	486	(21.3)	771	(20.5)
1-4.99 years	349	(23.6)	617	(27.0)	966	(25.7)
5-9.9 years	203	(13.7)	316	(13.8)	519	(13.8)
10-19.9 years	246	(16.6)	376	(16.5)	622	(16.5)
≥20 years	397	(26.8)	490	(21.4)	887	(23.6)
Response Total	1480	(100.0)	2285	(100.0)	3765	(100.0)
Don't Know	0		0		0	
Missing	26		37		63	
TOTAL	1506		2322		3828	

15. How many people including you live at this address?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
1 person	214	(14.3)	176	(7.6)	390	(10.3)
2-3 persons	509	(34.0)	861	(37.3)	1370	(36.0)
4-5 persons	428	(28.6)	747	(32.4)	1175	(30.9)
6 or more persons	344	(23.0)	525	(22.7)	869	(22.8)
Response Total	1495	(100.0)	2309	(100.0)	3804	(100.0)
Don't Know	8		7		15	
Missing	3		6		9	
TOTAL	1506		2322		3828	

General Demographics

16. How many rooms does this residence have? Do not count bathrooms, porches, balconies, or hallways.

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
1 room	95	(6.4)	83	(3.6)	178	(4.7)
2-3 rooms	313	(20.9)	402	(17.4)	715	(18.8)
4-5 rooms	736	(49.2)	1102	(47.6)	1838	(48.3)
6 or more rooms	351	(23.5)	727	(31.4)	1078	(28.3)
Response Total	1495	(100.0)	2314	(100.0)	3809	(100.0)
Don't Know	7		4		11	
Missing	4		4		8	
TOTAL	1506		2322		3828	

Medical Measurements

Participants were asked to allow key medical measurements to be performed. These were based on a capillary blood sample (fingerstick), a seated blood pressure reading, and measurement of weight and height, and hip and waist circumferences.

A capillary blood sample was taken to measure glucose and lipid levels. Participants were asked to fast for nine hours before the blood draw. A blood glucose, or sugar level, helps determine if a person needs to see a doctor to be tested for diabetes. If a person already has diabetes, it helps determine how well the diabetes is being controlled. The term “lipids” refers to fats in the blood. Having abnormal lipids can lead to heart disease. In this study we measure cholesterol, HDL cholesterol, LDL cholesterol, and triglycerides.

Blood pressure level is a major risk factor for coronary heart disease, congestive heart failure, and stroke. Tracking blood pressure changes over time may be an important predictor of developing health problems. Prehypertension is defined as having a systolic pressure between 120 and 139 or having a diastolic pressure of 80-89 or both. Elevated blood pressure is defined as having a systolic pressure of 140 or above or a diastolic pressure of 90 or above or both.

Height and weight measurements were made in order to calculate body mass index (BMI). People who are overweight or obese have a greater chance of developing many medical problems: high blood pressure, high blood cholesterol or other lipid disorders, diabetes, heart disease, stroke, or cancers. Body shape, determined by circumference measurements, is thought to be an important component of risk associated with developing chronic diseases.

In general, the medical measurements presented below indicate the percentage of participants at risk of developing health problems due to that factor. However, percentages of participants with normal BMIs have also been included in this table although these participants are not at increased risk for a chronic disease.

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
17. Cholesterol \geq200	599	(40.3)	931	(40.4)	1530	(40.3)
Missing	20		15		35	
TOTAL	1506		2322		3828	
Age Group	n	(%)	n	(%)	n	(%)
18-24	65	(21.2)	72	(18.8)	137	(19.9)
25-44	265	(42.3)	351	(33.7)	616	(36.9)
45-59	196	(48.9)	332	(55.1)	528	(52.6)
60+	73	(48.3)	176	(62.9)	249	(57.8)
Total Yes	599		931		1530	

Medical Measurements

		Men		Women		Both	
		n	(%)	n	(%)	n	(%)
18.	HDL <40 for Men; <50 for Women	351	(23.9)	708	(30.8)	1059	(28.1)
	Missing	38		23		61	
	TOTAL	1506		2322		3828	
	Age Group	n	(%)	n	(%)	n	(%)
	18-24	85	(27.9)	145	(37.8)	230	(33.4)
	25-44	150	(24.2)	350	(33.8)	500	(30.2)
	45-59	81	(20.6)	140	(23.4)	221	(22.3)
	60+	35	(23.6)	73	(26.2)	108	(25.3)
	Total Yes	351		708		1059	
		Men		Women		Both	
		n	(%)	n	(%)	n	(%)
19.	LDL ≥130	421	(31.9)	478	(22.3)	899	(26.0)
	Missing	188		179		367	
	TOTAL	1506		2322		3828	
	Age Group	n	(%)	n	(%)	n	(%)
	18-24	57	(20.7)	41	(11.4)	98	(15.4)
	25-44	181	(33.0)	169	(17.3)	350	(23.0)
	45-59	133	(37.4)	170	(30.9)	303	(33.4)
	60+	50	(36.5)	98	(38.4)	148	(37.8)
	Total Yes	421		478		899	
		Men		Women		Both	
		n	(%)	n	(%)	n	(%)
20.	Triglycerides ≥150	398	(26.8)	668	(29.0)	1066	(28.1)
	Missing	22		15		37	
	TOTAL	1506		2322		3828	
	Age Group	n	(%)	n	(%)	n	(%)
	18-24	58	(19.0)	74	(19.3)	132	(19.2)
	25-44	183	(29.2)	289	(27.8)	472	(28.3)
	45-59	113	(28.3)	210	(34.9)	323	(32.2)
	60+	43	(28.5)	95	(33.9)	138	(32.0)
	Total Yes	397		668		1065	

Medical Measurements

		Men		Women		Both	
		n	(%)	n	(%)	n	(%)
21. Glucose 100-125		582	(39.2)	723	(31.3)	1305	(34.4)
	Missing	20		15		35	
	TOTAL	1506		2322		3828	
Age Group		n	(%)	n	(%)	n	(%)
	18-24	84	(27.5)	67	(17.4)	151	(21.9)
	25-44	246	(39.2)	304	(29.2)	550	(33.0)
	45-59	181	(45.1)	223	(37.0)	404	(40.3)
	60+	71	(47.0)	129	(46.1)	200	(46.4)
Total Yes		582		723		1305	
		Men		Women		Both	
		n	(%)	n	(%)	n	(%)
22. Glucose >125		87	(5.9)	113	(4.9)	200	(5.3)
	Missing	20		15		35	
	TOTAL	1506		2322		3828	
Age Group		n	(%)	n	(%)	n	(%)
	18-24	8	(2.6)	9	(2.3)	17	(2.5)
	25-44	27	(4.3)	38	(3.7)	65	(3.9)
	45-59	33	(8.2)	46	(7.6)	79	(7.9)
	60+	19	(12.6)	20	(7.1)	39	(9.0)
Total Yes		87		113		200	
		Men		Women		Both	
		n	(%)	n	(%)	n	(%)
23. Prehypertension (120-139)/(80-89)		844	(56.0)	772	(33.2)	1616	(42.2)
	Missing	0		0		0	
	TOTAL	1506		2322		3828	
Age Group		n	(%)	n	(%)	n	(%)
	18-24	198	(64.1)	66	(17.1)	264	(38.0)
	25-44	362	(56.8)	326	(31.0)	688	(40.7)
	45-59	212	(51.8)	251	(41.6)	463	(45.7)
	60+	71	(47.0)	129	(45.9)	200	(46.3)
Total Yes		843		772		1615	

Medical Measurements

		Men		Women		Both	
		n	(%)	n	(%)	n	(%)
24. Elevated Blood Pressure \geq140/90		189	(12.5)	251	(10.8)	440	(11.5)
Missing		0		0		0	
TOTAL		1506		2322		3828	
Age Group		n	(%)	n	(%)	n	(%)
18-24		18	(5.8)	7	(1.8)	25	(3.6)
25-44		87	(13.7)	81	(7.7)	168	(9.9)
45-59		51	(12.5)	83	(13.7)	134	(13.2)
60+		33	(21.9)	80	(28.5)	113	(26.2)
Total Yes		189		251		440	
		Men		Women		Both	
		n	(%)	n	(%)	n	(%)
25. Waist circumference \geq40 inches for men, \geq35 inches for women		541	(36.1)	1622	(69.9)	2163	(56.5)
Missing		6		6		12	
TOTAL		1506		2322		3828	
Age Group		n	(%)	n	(%)	n	(%)
18-24		57	(18.4)	191	(49.6)	248	(35.7)
25-44		222	(34.9)	757	(72.0)	979	(58.0)
45-59		177	(43.3)	451	(74.7)	628	(62.0)
60+		85	(56.3)	223	(79.4)	308	(71.3)
Total Yes		541		1622		2163	
		Men		Women		Both	
		n	(%)	n	(%)	n	(%)
26. Waist/Hip Ratio \geq1.0 for men, \geq0.8 for women		250	(16.6)	2000	(86.1)	2250	(59.8)
Missing		6		6		12	
TOTAL		1506		2322		3828	
Age Group		n	(%)	n	(%)	n	(%)
18-24		13	(4.2)	288	(74.8)	301	(43.4)
25-44		94	(14.8)	900	(85.6)	994	(58.9)
45-59		86	(21.0)	546	(90.4)	632	(62.4)
60+		57	(37.7)	266	(94.7)	323	(74.8)
Total Yes		250		2000		2250	

Medical Measurements

		Men		Women		Both	
		n	(%)	n	(%)	n	(%)
27. Underweight (BMI <18.5)		4	(0.3)	21	(0.9)	25	(0.7)
	Missing	2		4		6	
	TOTAL	1506		2322		3828	
Age Group		n	(%)	n	(%)	n	(%)
	18-24	0	(0.0)	1	(0.3)	1	(0.1)
	25-44	1	(0.2)	4	(0.4)	5	(0.3)
	45-59	2	(0.5)	10	(1.7)	12	(1.2)
	60+	1	(0.7)	6	(2.1)	7	(1.6)
Total Yes		4		21		25	
		Men		Women		Both	
		n	(%)	n	(%)	n	(%)
28. Normal weight (19 ≤ BMI <25)		485	(32.2)	485	(20.9)	970	(25.4)
	Missing	2		4		6	
	TOTAL	1506		2322		3828	
Age Group		n	(%)	n	(%)	n	(%)
	18-24	142	(46.1)	132	(34.3)	274	(39.5)
	25-44	197	(31.0)	197	(18.8)	394	(23.4)
	45-59	115	(28.2)	115	(19.1)	230	(22.8)
	60+	30	(19.9)	41	(14.6)	71	(16.4)
Total Yes		484		485		969	
		Men		Women		Both	
		n	(%)	n	(%)	n	(%)
29. Overweight or obese (BMI ≥25)		1015	(67.5)	1812	(78.2)	2827	(74.0)
	Missing	2		4		6	
	TOTAL	1506		2322		3828	
Age Group		n	(%)	n	(%)	n	(%)
	18-24	166	(53.9)	252	(65.5)	418	(60.3)
	25-44	438	(68.9)	849	(80.9)	1287	(76.3)
	45-59	291	(71.3)	477	(79.2)	768	(76.0)
	60+	120	(79.5)	234	(83.3)	354	(81.9)
Total Yes		1015		1812		2827	

Medical Measurements

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
30. Obese (BMI ≥30)	480	(31.9)	1132	(48.8)	1612	(42.2)
Missing	2		4		6	
TOTAL	1506		2322		3828	
Age Group	n	(%)	n	(%)	n	(%)
18-24	61	(19.8)	132	(34.3)	193	(27.8)
25-44	213	(33.5)	523	(49.8)	736	(43.7)
45-59	141	(34.6)	331	(55.0)	472	(46.7)
60+	65	(43.0)	146	(52.0)	211	(48.8)
Total Yes	480		1132		1612	
	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
31. Extreme obesity (BMI ≥40)	83	(5.5)	244	(10.5)	327	(8.6)
Missing	2		4		6	
TOTAL	1506		2322		3828	
Age Group	n	(%)	n	(%)	n	(%)
18-24	10	(3.2)	27	(7.0)	37	(5.3)
25-44	38	(6.0)	124	(11.8)	162	(9.6)
45-59	26	(6.4)	72	(12.0)	98	(9.7)
60+	9	(6.0)	21	(7.5)	30	(6.9)
Total Yes	83		244		327	

Medical History

Medical history is collected to provide information about the baseline health of the cohort. This information will be used to determine prevalence of diseases or past occurrence of health conditions so that as participants are followed over time new conditions can be identified and linked to exposures.

These next questions are about certain medical conditions you might have had. Answer yes if a doctor or other health care provider told you that you had the condition. Please answer to the best of your knowledge.

(B1.1) 32. Did a doctor or other health care provider ever tell you that you had HYPERTENSION also called high blood pressure?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Yes	386	(28.0)	573	(25.7)	959	(26.6)
No	993	(72.0)	1654	(74.3)	2647	(73.4)
Response Total	1379	(100.0)	2227	(100.0)	3606	(100.0)
Don't Know	126		93		219	
Missing	1		2		3	
TOTAL	1506		2322		3828	

(B1.2) 33. How old were you when you were first told that you had HYPERTENSION also called high blood pressure?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	65	(17.7)	72	(13.0)	137	(14.9)
20-29	60	(16.3)	97	(17.6)	157	(17.1)
30-39	72	(19.6)	106	(19.2)	178	(19.3)
40-49	96	(26.1)	137	(24.8)	233	(25.3)
50-59	50	(13.6)	84	(15.2)	134	(14.6)
60 or older	25	(6.8)	56	(10.1)	81	(8.8)
Response Total	368	(100.0)	552	(100.0)	920	(100.0)
Don't Know	18		19		37	
Missing	0		2		2	
TOTAL	386		573		959	

Medical History

(B2.1) 34. Did a doctor or other health care provider ever tell you that you had HEART DISEASE INCLUDING CONGESTIVE HEART FAILURE, A HEART ATTACK, OR OTHER HEART PROBLEM?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	142	(9.8)	179	(7.9)	321	(8.6)
NO	1308	(90.2)	2093	(92.1)	3401	(91.4)
Response Total	1450	(100.0)	2272	(100.0)	3722	(100.0)
Don't Know	53		45		98	
Missing	3		5		8	
TOTAL	1506		2322		3828	

(B2.2) 35. How old were you when you were first told that you had HEART DISEASE INCLUDING CONGESTIVE HEART FAILURE, A HEART ATTACK, OR OTHER HEART PROBLEM?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	35	(25.7)	57	(33.7)	92	(30.2)
20-29	12	(8.8)	28	(16.6)	40	(13.1)
30-39	20	(14.7)	21	(12.4)	41	(13.4)
40-49	21	(15.4)	24	(14.2)	45	(14.8)
50-59	22	(16.2)	19	(11.2)	41	(13.4)
60 or older	26	(19.1)	20	(11.8)	46	(15.1)
Response Total	136	(100.0)	169	(100.0)	305	(100.0)
Don't Know	6		10		16	
Missing	0		0		0	
TOTAL	142		179		321	

Medical History

(B3.1) 36. Did a doctor or other health care provider ever tell you that you had HIGH CHOLESTEROL?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	257	(18.5)	406	(18.5)	663	(18.5)
NO	954	(68.6)	1528	(69.5)	2482	(69.1)
Never tested before today	180	(12.9)	265	(12.1)	445	(12.4)
Response Total	1391	(100.0)	2199	(100.0)	3590	(100.0)
Don't Know	112		118		230	
Missing	3		5		8	
TOTAL	1506		2322		3828	

(B3.2) 37. How old were you when you were first told that you had HIGH CHOLESTEROL?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	16	(6.4)	24	(6.1)	40	(6.2)
20-29	18	(7.2)	41	(10.4)	59	(9.1)
30-39	51	(20.5)	68	(17.2)	119	(18.4)
40-49	81	(32.5)	123	(31.1)	204	(31.6)
50-59	48	(19.3)	104	(26.3)	152	(23.6)
60 or older	35	(14.1)	36	(9.1)	71	(11.0)
Response Total	249	(100.0)	396	(100.0)	645	(100.0)
Don't Know	7		10		17	
Missing	1		0		1	
TOTAL	257		406		663	

Medical History

(B4.1) 38. Did a doctor or other health care provider ever tell you that you had a STROKE?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	34	(2.3)	55	(2.4)	89	(2.4)
NO	1453	(97.7)	2240	(97.6)	3693	(97.6)
Response Total	1487	(100.0)	2295	(100.0)	3782	(100.0)
Don't Know	17		24		41	
Missing	2		3		5	
TOTAL	1506		2322		3828	

(B4.2) 39. How old were you when you were first told that you had a STROKE?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	5	(15.2)	2	(3.8)	7	(8.1)
20-29	2	(6.1)	4	(7.5)	6	(7.0)
30-39	3	(9.1)	7	(13.2)	10	(11.6)
40-49	8	(24.2)	16	(30.2)	24	(27.9)
50-59	8	(24.2)	11	(20.8)	19	(22.1)
60 or older	7	(21.2)	13	(24.5)	20	(23.3)
Response Total	33	(100.0)	53	(100.0)	86	(100.0)
Don't Know	1		2		3	
Missing	0		0		0	
TOTAL	34		55		89	

Medical History

(B5.1) 40. Did a doctor or other health care provider ever tell you that you had GALLBLADDER DISEASE?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	54	(3.7)	361	(15.8)	415	(11.0)
NO	1418	(96.3)	1927	(84.2)	3345	(89.0)
Response Total	1472	(100.0)	2288	(100.0)	3760	(100.0)
Don't Know	32		30		62	
Missing	2		4		6	
TOTAL	1506		2322		3828	

(B5.2) 41. How old were you when you were first told that you had GALLBLADDER DISEASE?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	5	(9.8)	21	(6.1)	26	(6.5)
20-29	8	(15.7)	87	(25.1)	95	(23.9)
30-39	13	(25.5)	101	(29.2)	114	(28.7)
40-49	14	(27.5)	67	(19.4)	81	(20.4)
50-59	6	(11.8)	41	(11.8)	47	(11.8)
60 or older	5	(9.8)	29	(8.4)	34	(8.6)
Response Total	51	(100.0)	346	(100.0)	397	(100.0)
Don't Know	2		15		17	
Missing	1		0		1	
TOTAL	54		361		415	

Medical History

(B6.1) 42. Did a doctor or other health care provider ever tell you that you had KIDNEY FAILURE?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	20	(1.4)	31	(1.4)	51	(1.4)
NO	1448	(98.6)	2264	(98.6)	3712	(98.6)
Response Total	1468	(100.0)	2295	(100.0)	3763	(100.0)
Don't Know	37		24		61	
Missing	1		3		4	
TOTAL	1506		2322		3828	

(B6.2) 43. How old were you when you were first told that you had KIDNEY FAILURE?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	6	(31.6)	9	(30.0)	15	(30.6)
20-29	2	(10.5)	3	(10.0)	5	(10.2)
30-39	2	(10.5)	4	(13.3)	6	(12.2)
40-49	0	0.0	3	(10.0)	3	(6.1)
50-59	2	(10.5)	4	(13.3)	6	(12.2)
60 or older	7	(36.8)	7	(23.3)	14	(28.6)
Response Total	19	(100.0)	30	(100.0)	49	(100.0)
Don't Know	1		1		2	
Missing	0		0		0	
TOTAL	20		31		51	

Medical History

(B7.1) 44. Did a doctor or other health care provider ever tell you that you had LIVER DISEASE INCLUDING CIRRHOSIS OR HEPATITIS?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	119	(8.1)	160	(7.0)	279	(7.5)
NO	1346	(91.9)	2114	(93.0)	3460	(92.5)
Response Total	1465	(100.0)	2274	(100.0)	3739	(100.0)
Don't Know	39		45		84	
Missing	2		3		5	
TOTAL	1506		2322		3828	

(B7.2) 45. How old were you when you were first told that you had LIVER DISEASE INCLUDING CIRRHOSIS OR HEPATITIS?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	42	(36.5)	61	(40.4)	103	(38.7)
20-29	17	(14.8)	24	(15.9)	41	(15.4)
30-39	26	(22.6)	33	(21.9)	59	(22.2)
40-49	21	(18.3)	17	(11.3)	38	(14.3)
50-59	9	(7.8)	11	(7.3)	20	(7.5)
60 or older	0	0.0	5	(3.3)	5	(1.9)
Response Total	115	(100.0)	151	(100.0)	266	(100.0)
Don't Know	4		9		13	
Missing	0		0		0	
TOTAL	119		160		279	

Medical History

(B8.1) 46. Did a doctor or other health care provider ever tell you that you had ANY DISEASE OF THE THYROID?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	15	(1.0)	130	(5.8)	145	(3.9)
NO	1438	(99.0)	2120	(94.2)	3558	(96.1)
Response Total	1453	(100.0)	2250	(100.0)	3703	(100.0)
Don't Know	52		68		120	
Missing	1		4		5	
TOTAL	1506		2322		3828	

(B8.2) 47. How old were you when you were first told that you had ANY DISEASE OF THE THYROID?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	6	(46.2)	14	(11.3)	20	(14.6)
20-29	0	0.0	18	(14.5)	18	(13.1)
30-39	2	(15.4)	44	(35.5)	46	(33.6)
40-49	3	(23.1)	28	(22.6)	31	(22.6)
50-59	1	(7.7)	13	(10.5)	14	(10.2)
60 or older	1	(7.7)	7	(5.6)	8	(5.8)
Response Total	13	(100.0)	124	(100.0)	137	(100.0)
Don't Know	2		6		8	
Missing	0		0		0	
TOTAL	15		130		145	

Medical History

(B9.1) 48. Did a doctor or other health care provider ever tell you that you had BONE FRACTURE OR BREAK AS AN ADULT, that is after age 18?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	500	(34.2)	558	(24.3)	1058	(28.1)
NO	962	(65.8)	1739	(75.7)	2701	(71.9)
Response Total	1462	(100.0)	2297	(100.0)	3759	(100.0)
Don't Know	41		21		62	
Missing	3		4		7	
TOTAL	1506		2322		3828	

(B9.2) 49. How old were you when you were first told that you had BONE FRACTURE OR BREAK AS AN ADULT, that is after age 18?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	127	(25.8)	47	(8.6)	174	(16.8)
20-29	183	(37.2)	178	(32.7)	361	(34.8)
30-39	96	(19.5)	142	(26.1)	238	(23.0)
40-49	58	(11.8)	102	(18.8)	160	(15.4)
50-59	23	(4.7)	46	(8.5)	69	(6.7)
60 or older	5	(1.0)	29	(5.3)	34	(3.3)
Response Total	492	(100.0)	544	(100.0)	1036	(100.0)
Don't Know	7		10		17	
Missing	1		4		5	
TOTAL	500		558		1058	

Medical History

(B10.1) 50. Did a doctor or other health care provider ever tell you that you had some form of ARTHRITIS including osteoarthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	263	(18.1)	570	(25.4)	833	(22.6)
NO	1189	(81.9)	1672	(74.6)	2861	(77.4)
Response Total	1452	(100.0)	2242	(100.0)	3694	(100.0)
Don't Know	50		76		126	
Missing	4		4		8	
TOTAL	1506		2322		3828	

(B10.2) 51. How old were you when you were first told that you had some form of ARTHRITIS including osteoarthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	35	(13.7)	59	(10.8)	94	(11.8)
20-29	37	(14.5)	68	(12.5)	105	(13.1)
30-39	51	(20.0)	135	(24.8)	186	(23.3)
40-49	66	(25.9)	129	(23.7)	195	(24.4)
50-59	45	(17.6)	105	(19.3)	150	(18.8)
60 or older	21	(8.2)	49	(9.0)	70	(8.8)
Response Total	255	(100.0)	545	(100.0)	800	(100.0)
Don't Know	8		23		31	
Missing	0		2		2	
TOTAL	263		570		833	

Medical History

(B11.1) 52. Did a doctor or other health care provider ever tell you that you had ASTHMA?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	144	(9.8)	422	(18.6)	566	(15.2)
NO	1321	(90.2)	1847	(81.4)	3168	(84.8)
Response Total	1465	(100.0)	2269	(100.0)	3734	(100.0)
Don't Know	40		50		90	
Missing	1		3		4	
TOTAL	1506		2322		3828	

(B11.2) 53. How old were you when you were first told that you had ASTHMA?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	52	(37.1)	130	(31.3)	182	(32.8)
20-29	22	(15.7)	76	(18.3)	98	(17.7)
30-39	13	(9.3)	96	(23.1)	109	(19.6)
40-49	24	(17.1)	54	(13.0)	78	(14.1)
50-59	12	(8.6)	38	(9.2)	50	(9.0)
60 or older	17	(12.1)	21	(5.1)	38	(6.8)
Response Total	140	(100.0)	415	(100.0)	555	(100.0)
Don't Know	4		7		11	
Missing	0		0		0	
TOTAL	144		422		566	

Medical History

(B12.1) 54. Did a doctor or other health care provider ever tell you that you had CHRONIC BRONCHITIS, EMPHYSEMA, OR CHRONIC OBSTRUCTIVE PULMONARY DISEASE OR COPD?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	121	(8.5)	198	(8.9)	319	(8.7)
NO	1296	(91.5)	2036	(91.1)	3332	(91.3)
Response Total	1417	(100.0)	2234	(100.0)	3651	(100.0)
Don't Know	88		85		173	
Missing	1		3		4	
TOTAL	1506		2322		3828	

(B12.2) 55. How old were you when you were first told that you had CHRONIC BRONCHITIS, EMPHYSEMA, OR CHRONIC OBSTRUCTIVE PULMONARY DISEASE OR COPD?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	42	(37.5)	48	(25.3)	90	(29.8)
20-29	20	(17.9)	42	(22.1)	62	(20.5)
30-39	15	(13.4)	39	(20.5)	54	(17.9)
40-49	18	(16.1)	35	(18.4)	53	(17.5)
50-59	12	(10.7)	16	(8.4)	28	(9.3)
60 or older	5	(4.5)	10	(5.3)	15	(5.0)
Response Total	112	(100.0)	190	(100.0)	302	(100.0)
Don't Know	8		8		16	
Missing	1		0		1	
TOTAL	121		198		319	

Medical History

(B13.1) 56. Did a doctor or other health care provider ever tell you that you had GLAUCOMA?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	29	(2.0)	63	(2.8)	92	(2.5)
NO	1422	(98.0)	2198	(97.2)	3620	(97.5)
Response Total	1451	(100.0)	2261	(100.0)	3712	(100.0)
Don't Know	53		57		110	
Missing	2		4		6	
TOTAL	1506		2322		3828	

(B13.2) 57. How old were you when you were first told that you had GLAUCOMA?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	5	(17.9)	4	(6.8)	9	(10.3)
20-29	1	(3.6)	7	(11.9)	8	(9.2)
30-39	3	(10.7)	11	(18.6)	14	(16.1)
40-49	8	(28.6)	9	(15.3)	17	(19.5)
50-59	6	(21.4)	14	(23.7)	20	(23.0)
60 or older	5	(17.9)	14	(23.7)	19	(21.8)
Response Total	28	(100.0)	59	(100.0)	87	(100.0)
Don't Know	0		4		4	
Missing	1		0		1	
TOTAL	29		63		92	

Medical History

(B14.1) 58. Did a doctor or other health care provider ever tell you that you had CATARACTS?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	74	(5.1)	147	(6.5)	221	(5.9)
NO	1382	(94.9)	2130	(93.5)	3512	(94.1)
Response Total	1456	(100.0)	2277	(100.0)	3733	(100.0)
Don't Know	48		42		90	
Missing	2		3		5	
TOTAL	1506		2322		3828	

(B14.2) 59. How old were you when you were first told that you had CATARACTS?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	12	(16.9)	12	(8.5)	24	(11.3)
20-29	4	(5.6)	4	(2.8)	8	(3.8)
30-39	7	(9.9)	10	(7.1)	17	(8.0)
40-49	15	(21.1)	23	(16.3)	38	(17.9)
50-59	17	(23.9)	31	(22.0)	48	(22.6)
60 or older	16	(22.5)	61	(43.3)	77	(36.3)
Response Total	71	(100.0)	141	(100.0)	212	(100.0)
Don't Know	2		6		8	
Missing	1		0		1	
TOTAL	74		147		221	

Medical History

(B15.1) 60. Did a doctor or other health care provider ever tell you that you had DEPRESSION that required treatment with medication?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	207	(14.2)	623	(27.5)	830	(22.3)
NO	1252	(85.8)	1643	(72.5)	2895	(77.7)
Response Total	1459	(100.0)	2266	(100.0)	3725	(100.0)
Don't Know	45		53		98	
Missing	2		3		5	
TOTAL	1506		2322		3828	

(B15.2) 61. How old were you when you were first told that you had DEPRESSION that required treatment with medication?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	52	(25.6)	129	(21.2)	181	(22.3)
20-29	43	(21.2)	154	(25.3)	197	(24.3)
30-39	41	(20.2)	163	(26.8)	204	(25.1)
40-49	32	(15.8)	109	(17.9)	141	(17.4)
50-59	28	(13.8)	34	(5.6)	62	(7.6)
60 or older	7	(3.4)	20	(3.3)	27	(3.3)
Response Total	203	(100.0)	609	(100.0)	812	(100.0)
Don't Know	4		14		18	
Missing	0		0		0	
TOTAL	207		623		830	

Medical History

(B16.1) 62. Did a doctor or other health care provider ever tell you that you had DIABETES OR SUGAR DIABETES?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	66	(4.5)	129	(5.7)	195	(5.2)
YES, only when pregnant	na		122	(5.4)	122	(3.3)
NO	1267	(86.8)	1940	(85.5)	3,207	(86.0)
Never checked before today	126	(8.6)	79	(3.5)	205	(5.5)
Response Total	1459	(100.0)	2270	(100.0)	3,729	(100.0)
Don't Know	46		48		94	
Missing	0		4		5	
TOTAL	1506		2322		3828	

(B16.2) 63. How old were you when you were first told that you had DIABETES OR SUGAR DIABETES?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	4	(6.2)	10	(8.1)	14	(7.4)
20-29	3	(4.6)	8	(6.5)	11	(5.9)
30-39	10	(15.4)	17	(13.8)	27	(14.4)
40-49	18	(27.7)	43	(35.0)	61	(32.4)
50-59	19	(29.2)	30	(24.4)	49	(26.1)
60 or older	11	(16.9)	15	(12.2)	26	(13.8)
Response Total	65	(100.0)	123	(100.0)	188	(100.0)
Don't Know	1		5		6	
Missing	0		1		1	
TOTAL	66		129		195	

Medical History

(B17.1) 64. Did a doctor or other health care provider ever tell you that you had CANCER?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	33	(2.2)	107	(4.7)	140	(3.7)
NO	1442	(97.8)	2178	(95.3)	3620	(96.3)
Response Total	1475	(100.0)	2285	(100.0)	3760	(100.0)
Don't Know	30		34		64	
Missing	1		3		4	
TOTAL	1506		2322		3828	

(B17.2) 65. How old were you when you were first told that you had CANCER?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Younger than 20	6	(18.8)	8	(7.8)	14	(10.4)
20-29	2	(6.3)	17	(16.5)	19	(14.1)
30-39	5	(15.6)	24	(23.3)	29	(21.5)
40-49	4	(12.5)	23	(22.3)	27	(20.0)
50-59	4	(12.5)	16	(15.5)	20	(14.8)
60 or older	11	(34.4)	15	(14.6)	26	(19.3)
Response Total	32	(100.0)	103	(100.0)	135	(100.0)
Don't Know	0		3		3	
Missing	1		1		2	
TOTAL	33		107		140	

Medical History

Pregnancy and reproductive history are important parts of women's health. They may influence many health conditions such as cancer and are therefore important components of medical history to collect from women.

The pregnancy and reproductive history section asks questions about a participant's menstrual status including age at menarche and menopause, pregnancy history, use of hormonal contraception, use of hormone replacement therapy, and history of hysterectomy and oophorectomy.

(C1) 66. How old were you when you had your first menstrual period?

	Women
	n (%)
<10 years	55 (2.4)
10-14 years	1982 (86.6)
15-19 years	246 (10.8)
≥20 years	5 (0.2)
Response Total	2288 (100.0)
Don't Know	31
Missing	3
TOTAL	2322

(C2) 67. Have you had a menstrual period in the last 12 months?

	Women
	n (%)
YES	1502 (65.6)
NO	786 (34.4)
Response Total	2288 (100.0)
Don't Know	23
Missing	11
TOTAL	2322

Medical History

(C3.1) 68. Have your periods stopped permanently, that is have you gone through menopause or the change of life?

	Women
	n (%)
YES	620 (27.7)
NO	1619 (72.3)
Response Total	2239 (100.0)
Don't Know	72
Missing	11
TOTAL	2322

(C3.2) 69. At what age did your periods stop?

	Women
	n (%)
<40 years	109 (18.6)
40-44 years	80 (13.7)
45-49 years	170 (29.1)
50-54 years	162 (27.7)
≥55 years	64 (10.9)
Response Total	585 (100.0)
Don't Know	34
Missing	1
TOTAL	620

(C3.3) 70. Have you had a hysterectomy, that is surgery to remove your uterus or womb?

	Women
	n (%)
YES	208 (33.8)
NO	408 (66.2)
Response Total	616 (100.0)
Don't Know	3
Missing	1
TOTAL	620

Medical History

(C4) 71. Are you currently going through menopause?

	Women	
	n	(%)
YES	105	(6.9)
NO	1407	(93.1)
Response Total	1512	(100.0)
Don't Know	180	
Missing	10	
TOTAL	1702	

(C5) 72. Have you ever had surgery to remove either part or all of one or both of your ovaries?

	Women	
	n	(%)
YES	231	(10.1)
NO	2046	(89.9)
Response Total	2277	(100.0)
Don't Know	43	
Missing	2	
TOTAL	2322	

Medical History

These next questions ask about female hormones that you might have taken for many reasons including for menopause or after a hysterectomy. Please do not count birth control pills, shots, or implants.

(C6.1) 73. Have you ever used estrogen, progesterone, or other female hormones by pill, injection, or patch?

	Women
	n (%)
YES, currently	100 (11.5)
YES, but not now	270 (31.0)
NO	500 (57.5)
Response Total	870 (100.0)
Don't Know	34
Missing	1
TOTAL	905

(C6.2) 74. What is the total number of years that you have used estrogen, progesterone, or other female hormones by pill, injection, or patch?

	Women
	n (%)
<1 year	75 (21.4)
1-3 years	103 (29.3)
4-5 years	64 (18.2)
6-10 years	49 (14.0)
11-15 years	30 (8.5)
≥16 years	30 (8.5)
Response Total	351 (100.0)
Don't Know	19
Missing	0
TOTAL	370

Medical History

These next questions ask about your pregnancy history. This includes live births, stillbirths, miscarriages, abortions, and tubal, molar, and other ectopic pregnancies.

(C7.1) 75. Have you ever been pregnant?

	Women
	n (%)
YES	1987 (86.4)
NO	314 (13.6)
Response Total	2301 (100.0)
Don't Know	17
Missing	4
TOTAL	2322

(C7.2) 76. How many times have you been pregnant?

	Women
	n (%)
Minimum	0
Maximum	17
Mean	3.8
Median	3.0
None	314 (13.8)
1 pregnancy	250 (11.0)
2 pregnancies	326 (14.3)
3 pregnancies	298 (13.1)
4 pregnancies	281 (12.4)
5-9 pregnancies	696 (30.6)
≥10 pregnancies	109 (4.8)
Response Total	2274 (100.0)
Don't Know	26
Missing	1
TOTAL	2301

Medical History

(C7.3) 77. How many live births have you had?

	Women	
	n	(%)
Minimum	0	
Maximum	16	
Mean	3.3	
Median	3.0	
Nulliparous (pregnancy but no live birth)	113	(5.7)
1 live birth	327	(16.5)
2 live births	408	(20.6)
3 live births	331	(16.7)
4 live births	297	(15.0)
5-9 live births	470	(23.7)
≥10 live births	37	(1.9)
Response Total	1983	(100.0)
Don't Know	0	
Missing	4	
TOTAL	1987	

(C7.4) 78. How old were you when you had your first live birth?

	Women	
	n	(%)
Minimum	13	
Maximum	52	
Mean	20.9	
Median	20.0	
13-17 years	330	(17.7)
18-24 years	1211	(65.0)
25-34 years	297	(16.0)
≥35 years	24	(1.3)
Response Total	1862	(100.0)
Don't Know	7	
Missing	1	
TOTAL	1870	

Medical History

(C7.5) 79. How many miscarriages have you had?

	Women	
	n	(%)
Minimum	0	
Maximum	19	
Mean	1.04	
Median	1.0	
No miscarriages	518	(42.4)
1 miscarriage	399	(32.6)
2-3 miscarriages	249	(20.4)
≥4 miscarriages	57	(4.7)
Response Total	1223	(100.0)
Don't Know	21	
Missing	1	
TOTAL	1245	

Medical History

(C8.1) 80. Have you ever taken birth control pills for one month or longer?

	Women
	n (%)
YES, currently	236 (10.3)
YES, but not now	1191 (52.0)
NO	863 (37.7)
Response Total	2290 (100.0)
Don't Know	28
Missing	4
TOTAL	2322

(C8.2) 81. What is the total number of years that you have taken birth control pills?

	Women
	n (%)
<1 year	418 (30.1)
1-3 years	452 (32.6)
4-5 years	167 (12.0)
6-10 years	216 (15.6)
11-15 years	79 (5.7)
≥16 years	56 (4.0)
Response Total	1388 (100.0)
Don't Know	0
Missing	39
TOTAL	1427

Medical History

(C9.1) 82. Have you ever had birth control shots such as Depo Provera?

	Women	
	n	(%)
YES, currently	137	(5.9)
YES, but not now	551	(23.9)
NO	1617	(70.2)
Response Total	2305	(100.0)
Don't Know	14	
Missing	3	
TOTAL	2322	

(C9.2) 83. What is the total number of years that you had birth control shots such as Depo Provera?

	Women	
	n	(%)
1 year	261	(38.9)
2 years	307	(45.8)
≥3 years	103	(15.4)
Response Total	671	(100.0)
Don't Know	0	
Missing	17	
TOTAL	688	

Medical History

(C10.1) 84. Have you ever had a birth control implant such as Norplant? Do not include an IUD.

	Women	
	n	(%)
YES, currently	23	(1.0)
YES, but not now	203	(8.8)
NO	2073	(90.2)
Response Total	2299	(100.0)
Don't Know	20	
Missing	3	
TOTAL	2322	

(C10.2) 85. What is the total number of years that you had a birth control implant such as Norplant?

	Women	
	n	(%)
<1 year	59	(28.5)
1-3 years	77	(37.2)
4-5 years	47	(22.7)
6-10 years	20	(9.7)
11-15 years	3	(1.4)
≥16 years	1	(0.5)
Response Total	207	(100.0)
Don't Know	0	
Missing	19	
TOTAL	226	

Medical History

The Medical Screening Test section asks the participant if he or she had certain screening tests. Some of these cancer-screening tests have been shown to reduce risk of developing cancer while others have been shown to improve survival through early detection.

These next questions are about screening tests you might have had. Women of any age are asked the mammogram and PAP smear question. The FOBT and sigmoidoscopy questions will only be asked of women over 49. Only men over age 49 will be asked any questions in this section.

(D1.1) 86. Did you ever have a mammogram?

	Women	
	n	(%)
YES	1185	(52.8)
NO	1060	(47.2)
Response Total	2245	(100.0)
Don't Know	72	
Missing	5	
TOTAL	2322	

(D1.2) 87. About how long has it been since you had your last mammogram?

	Women	
	n	(%)
<5 year	995	(87.2)
5-10 years	103	(9.0)
>10 years	43	(3.8)
Response Total	1141	(100.0)
Don't Know	43	
Missing	1	
TOTAL	1185	

Medical History

(D2.1) 88. Did you ever have a Pap smear?

	Women	
	n	(%)
YES	2181	(94.8)
NO	120	(5.2)
Response Total	2301	(100.0)
Don't Know	0	
Missing	21	
TOTAL	2322	

(D2.2) 89. About how long has it been since you had your last Pap smear?

	Women	
	n	(%)
<5 year	1857	(88.3)
5-10 years	96	(4.6)
>10 years	151	(7.2)
Response Total	2104	(100.0)
Don't Know	76	
Missing	1	
TOTAL	2181	

Medical History

(D3.1) 90. Did you ever have a PSA test? A PSA test is a blood test used to check men for prostate cancer.

	Men	
	n	(%)
YES	118	(34.8)
NO	221	(65.2)
Response Total	339	(100.0)
Don't Know	50	
Missing	1	
TOTAL	390	

(D3.2) 91. About how long has it been since you had your last PSA test?

	Men	
	n	(%)
<5 year	86	(81.9)
5-10 years	13	(12.4)
>10 years	6	(5.7)
Response Total	105	(100.0)
Don't Know	11	
Missing	2	
TOTAL	118	

Medical History

(D4.1) 92. Did you ever have a test to see if there is blood in your bowel movement also called a fecal occult blood test or FOBT?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	111	(32.1)	242	(42.8)	353	(38.7)
NO	235	(67.9)	323	(57.2)	558	(61.3)
Response Total	346	(100.0)	565	(100.0)	911	(100.0)
Don't Know	44		73		117	
Missing	0		0		0	
TOTAL	390		638		1028	

(D4.2) 93. About how long has it been since you had your last fecal occult blood test?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
<5 year	69	(66.3)	160	(73.1)	229	(70.9)
5-10 years	20	(19.2)	32	(14.6)	52	(16.1)
>10 years	15	(14.4)	27	(12.3)	42	(13.0)
Response Total	104	(100.0)	219	(100.0)	323	(100.0)
Don't Know	6		22		28	
Missing	1		1		2	
TOTAL	111		242		353	

Medical History

(D5.1) 94. Did you ever have a colonoscopy or sigmoidoscopy? These are tests in which a tube is inserted in the rectum to view the bowel.

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	154	(41.3)	340	(56.4)	494	(50.6)
NO	219	(58.7)	263	(43.6)	482	(49.4)
Response Total	373	(100.0)	603	(100.0)	976	(100.0)
Don't Know	17		34		51	
Missing	0		1		1	
TOTAL	390		638		1028	

(D5.2) 95. About how long has it been since you had your last colonoscopy or sigmoidoscopy?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
<5 year	106	(71.6)	255	(77.7)	361	(75.8)
5-10 years	32	(21.6)	56	(17.1)	88	(18.5)
>10 years	10	(6.8)	17	(5.2)	27	(5.7)
Response Total	148	(100.0)	328	(100.0)	476	(100.0)
Don't Know	6		12		18	
Missing	0		0		0	
TOTAL	154		340		494	

(D6.1) 96. Did a doctor or other health care provider ever tell you that you had a colon or rectal polyp?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	48	(35.0)	115	(36.3)	163	(35.9)
NO	89	(65.0)	202	(63.7)	291	(64.1)
Response Total	137	(100.0)	317	(100.0)	454	(100.0)
Don't Know	17		23		40	
Missing	0		0		0	
TOTAL	154		340		494	

Medical History

This section asks about a limited number of medications. Aspirin and non-steroidal anti-inflammatory medicines have been linked to reduced risk for cancer and heart disease. Associations between these medications and several health outcomes will be evaluated.

The next questions ask about some medications that you may have taken on a regular basis.

(E1.1) 97. Have you ever used aspirin at least twice a week for one month or longer? This does not include Tylenol.

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES, currently	256	(17.6)	307	(13.5)	563	(15.1)
YES, but not now	339	(23.3)	327	(14.4)	666	(17.9)
NO	859	(59.1)	1634	(72.0)	2493	(67.0)
Response Total	1454	(100.0)	2268	(100.0)	3722	(100.0)
Don't Know	50		48		98	
Missing	2		6		8	
TOTAL	1506		2322		3828	

(E1.2) 98. During the PAST 4 WEEKS, how many days a week did you take aspirin?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Everyday	108	(43.9)	143	(48.3)	251	(46.3)
4-6 days a week	37	(15.0)	33	(11.1)	70	(12.9)
1-3 days a week	62	(25.2)	86	(29.1)	148	(27.3)
Less than once a week	39	(15.9)	34	(11.5)	73	(13.5)
Response Total	246	(100.0)	296	(100.0)	542	(100.0)
Don't Know	10		11		21	
Missing	0		0		0	
TOTAL	256		307		563	

Medical History

(E2.1) 99. Have you ever used ibuprofen, Advil, or other nonsteroidal anti-inflammatory drugs at least twice a week for one month or longer?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES, currently	211	(14.5)	470	(20.8)	681	(18.3)
YES, but not now	526	(36.1)	717	(31.7)	1243	(33.4)
NO	720	(49.4)	1075	(47.5)	1795	(48.3)
Response Total	1457	(100.0)	2262	(100.0)	3719	(100.0)
Don't Know	48		58		106	
Missing	1		2		3	
TOTAL	1506		2322		3828	

(E2.2) 100. During the PAST 4 WEEKS, how many days a week did you take ibuprofen, Advil, or other nonsteroidal anti-inflammatory drugs?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Everyday	65	(31.9)	135	(29.3)	200	(30.1)
4-6 days a week	36	(17.6)	108	(23.5)	144	(21.7)
1-3 days a week	65	(31.9)	147	(32.0)	212	(31.9)
Less than once a week	38	(18.6)	70	(15.2)	108	(16.3)
Response Total	204	(100.0)	460	(100.0)	664	(100.0)
Don't Know	7		9		16	
Missing	0		1		1	
TOTAL	211		470		681	

Medical History

(E3) 101. In the past year have you used any traditional medicines?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	411	(28.8)	548	(25.3)	959	(26.7)
NO	1014	(71.2)	1617	(74.7)	2631	(73.3)
Response Total	1425	(100.0)	2165	(100.0)	3590	(100.0)
Don't Know	79		155		234	
Missing	2		2		4	
TOTAL	1506		2322		3828	

(E4) 102. In the past year have you sought advice or treatment from a traditional healer?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	99	(6.7)	190	(8.4)	289	(7.7)
NO	1371	(93.3)	2085	(91.6)	3456	(92.3)
Response Total	1470	(100.0)	2275	(100.0)	3745	(100.0)
Don't Know	34		44		78	
Missing	2		3		5	
TOTAL	1506		2322		3828	

(TM1) 103. Have YOU ever been treated by a Traditional Native Healer?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	157	(11.1)	292	(13.1)	449	(12.4)
NO	1253	(88.9)	1931	(86.9)	3184	(87.6)
Response Total	1410	(100.0)	2223	(100.0)	3633	(100.0)
Don't Know	82		78		160	
Missing	14		21		35	
TOTAL	1506		2322		3828	

Medical History

(TM1.1) 104. Would you go to a Traditional Native Healer again?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	127	(88.8)	261	(95.6)	388	(93.3)
NO	16	(11.2)	12	(4.4)	28	(6.7)
Response Total	143	(100.0)	273	(100.0)	416	(100.0)
Don't Know	14		19		33	
Missing	0		0		0	
TOTAL	157		292		449	

(TM2) 105. Have you ever taken your children to a Traditional Native Healer?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Never	1365	(97.4)	2144	(96.9)	3509	(97.1)
Sometimes	25	(1.8)	57	(2.6)	82	(2.3)
Usually	11	(0.8)	12	(0.5)	23	(0.6)
Response Total	1401	(100.0)	2213	(100.0)	3614	(100.0)
Don't Know	81		80		161	
Missing	24		29		53	
TOTAL	1506		2322		3828	

(TM3) 106. Do you use Traditional Native remedies/practices when you are sick or ill?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Never	868	(61.8)	1409	(64.3)	2277	(63.3)
Sometimes	448	(31.9)	678	(30.9)	1126	(31.3)
Usually	89	(6.3)	105	(4.8)	194	(5.4)
Response Total	1405	(100.0)	2192	(100.0)	3597	(100.0)
Don't Know	85		109		194	
Missing	16		21		37	
TOTAL	1506		2322		3828	

Medical History

(TM4) 107. Do you use Traditional Native remedies/practices to remain healthy (prevent illness)?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Never	350	(23.5)	497	(21.6)	847	(22.3)
Sometimes	960	(64.4)	1578	(68.6)	2538	(66.9)
Usually	181	(12.1)	225	(9.8)	406	(10.7)
Response Total	1491	(100.0)	2300	(100.0)	3791	(100.0)
Don't Know	0		0		0	
Missing	15		22		37	
TOTAL	1506		2322		3828	

Family History

Family history of disease is an important component of an individual's risk of disease. Some familial components of risk may be from shared diet, lifestyle, and environmental exposures while others may be from inherited factors. These questions ask about diseases or health conditions that occur in families. Some people may not want to be asked these questions for cultural reasons; they have the option of refusing or not answering these questions.

These questions are about medical conditions that other members of your family may have had. This would include your mother, father, full sisters, full brothers and children. We are interested in living and deceased members of your family, but we are interested only in your full blood relatives, not adopted, half, or step relatives. Please answer to the best of your knowledge. Select one of the choices below.

- Continue to questions about my blood relatives
- I do not know anything about my blood relatives
- I prefer not to answer any questions about my blood relatives

(K1) 108. Is participant willing to answer questions about family history?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Yes, I will answer questions.	774	(52.0)	1668	(72.2)	2,442	(64.3)
I do not know anything about my relatives.	270	(18.1)	280	(12.1)	550	(14.5)
I prefer not to answer.	444	(29.8)	362	(15.7)	806	(21.2)
Response Total	1488	(100.0)	2310	(100.0)	3798	(100.0)
Don't Know	0		0		0	
Missing	18		12		30	
TOTAL	1506		2322		3828	

Family History

(K1.1) 109. Have any of your blood relatives ever had a heart attack?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	353	(55.1)	723	(53.1)	1076	(53.7)
NO	288	(44.9)	638	(46.9)	926	(46.3)
Response Total	641	(100.0)	1361	(100.0)	2002	(100.0)
Don't Know	133		306		439	
Missing	0		1		1	
TOTAL	774		1668		2442	

(K1.2a) 110. Was the relative who had a heart attack a father, full brother/s, or son/s?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	189	(53.7)	338	(46.8)	527	(49.1)
NO	163	(46.3)	384	(53.2)	547	(50.9)
Response Total	352	(100.0)	722	(100.0)	1074	(100.0)
Don't Know	0		0		0	
Missing	1		1		2	
TOTAL	353		723		1076	

(K1.2b) 111. Was the relative who had a heart attack a mother, full sister/s, or daughter/s?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	73	(20.7)	146	(20.2)	219	(20.4)
NO	279	(79.3)	576	(79.8)	855	(79.6)
Response Total	352	(100.0)	722	(100.0)	1074	(100.0)
Don't Know	0		0		0	
Missing	1		1		2	
TOTAL	353		723		1076	

Family History

(K1.2c) 112. Was the relative who had a heart attack a grandparent or other relative?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	178	(50.6)	412	(57.1)	590	(54.9)
NO	174	(49.4)	310	(42.9)	484	(45.1)
Response Total	352	(100.0)	722	(100.0)	1074	(100.0)
Don't Know	0		0		0	
Missing	1		1		2	
TOTAL	353		723		1076	

(K1.3) 113. Did any of these male relatives, that is your father, full brothers, or sons, have a heart attack before age 50?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	62	(38.5)	123	(43.3)	185	(41.6)
NO	99	(61.5)	161	(56.7)	260	(58.4)
Response Total	161	(100.0)	284	(100.0)	445	(100.0)
Don't Know	28		54		82	
Missing	0		0		0	
TOTAL	189		338		527	

(K1.4) 114. Did any of these female relatives, that is your mother, full sisters or daughters have a heart attack before age 60?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	43	(67.2)	80	(58.0)	123	(60.9)
NO	21	(32.8)	58	(42.0)	79	(39.1)
Response Total	64	(100.0)	138	(100.0)	202	(100.0)
Don't Know	9		8		17	
Missing	0		0		0	
TOTAL	73		146		219	

Family History

(K2.1) 115. Have any of your blood relatives ever had a stroke?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	310	(50.8)	737	(55.6)	1047	(54.1)
NO	300	(49.2)	588	(44.4)	888	(45.9)
Response Total	610	(100.0)	1325	(100.0)	1935	(100.0)
Don't Know	164		343		507	
Missing	0		0		0	
TOTAL	774		1668		2442	

(K2.2a) 116. Was the relative who had a stroke a father, full brother/s, or son/s?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	119	(38.4)	212	(28.8)	331	(31.6)
NO	191	(61.6)	525	(71.2)	716	(68.4)
Response Total	310	(100.0)	737	(100.0)	1047	(100.0)
Don't Know	0		0		0	
Missing	0		0		0	
TOTAL	310		737		1047	

(K2.2b) 117. Was the relative who had a stroke a mother, full sister/s, or daughter/s?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	72	(23.2)	201	(27.3)	273	(26.1)
NO	238	(76.8)	536	(72.7)	774	(73.9)
Response Total	310	(100.0)	737	(100.0)	1047	(100.0)
Don't Know	0		0		0	
Missing	0		0		0	
TOTAL	310		737		1047	

Family History

(K2.2c) 118. Was the relative who had a stroke a grandparent or other relative?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	161	(51.9)	443	(60.1)	604	(57.7)
NO	149	(48.1)	294	(39.9)	443	(42.3)
Response Total	310	(100.0)	737	(100.0)	1047	(100.0)
Don't Know	0		0		0	
Missing	0		0		0	
TOTAL	310		737		1047	

(K3.1) 119. Have any of your blood relatives ever had a diabetes?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	265	(43.7)	786	(56.7)	1051	(52.7)
NO	341	(56.3)	601	(43.3)	942	(47.3)
Response Total	606	(100.0)	1387	(100.0)	1993	(100.0)
Don't Know	168		281		449	
Missing	0		0		0	
TOTAL	774		1668		2442	

(K3.2a) 120. Was the relative who had a diabetes a father, full brother/s, or son/s?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	86	(32.5)	226	(28.8)	312	(29.7)
NO	179	(67.5)	560	(71.2)	739	(70.3)
Response Total	265	(100.0)	786	(100.0)	1051	(100.0)
Don't Know	0		0		0	
Missing	0		0		0	
TOTAL	265		786		1051	

Family History

(K3.2b) 121. Was the relative who had a diabetes a mother, full sister/s, or daughter/s?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	118	(44.5)	301	(38.3)	419	(39.9)
NO	147	(55.5)	485	(61.7)	632	(60.1)
Response Total	265	(100.0)	786	(100.0)	1051	(100.0)
Don't Know	0		0		0	
Missing	0		0		0	
TOTAL	265		786		1051	

(K3.2c) 122. Was the relative who had a diabetes a grandparent or other relative?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	127	(47.9)	476	(60.6)	603	(57.4)
NO	138	(52.1)	310	(39.4)	448	(42.6)
Response Total	265	(100.0)	786	(100.0)	1051	(100.0)
Don't Know	0		0		0	
Missing	0		0		0	
TOTAL	265		786		1051	

(K4.1) 123. Have any of your blood relatives ever had a colorectal cancer?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	115	(19.7)	329	(25.3)	444	(23.6)
NO	469	(80.3)	970	(74.7)	1439	(76.4)
Response Total	584	(100.0)	1299	(100.0)	1883	(100.0)
Don't Know	190		368		558	
Missing	0		1		1	
TOTAL	774		1668		2442	

Family History

(K4.2a) 124. Was the relative who had a colorectal cancer a father, full brother/s, or son/s?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	53	(46.5)	86	(26.1)	139	(31.4)
NO	61	(53.5)	243	(73.9)	304	(68.6)
Response Total	114	(100.0)	329	(100.0)	443	(100.0)
Don't Know	0		0		0	
Missing	1		0		1	
TOTAL	115		329		444	

(K4.2b) 125. Was the relative who had a colorectal cancer a mother, full sister/s, or daughter/s?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	29	(25.4)	85	(25.8)	114	(25.7)
NO	85	(74.6)	244	(74.2)	329	(74.3)
Response Total	114	(100.0)	329	(100.0)	443	(100.0)
Don't Know	0		0		0	
Missing	1		0		1	
TOTAL	115		329		444	

(K4.2c) 126. Was the relative who had a colorectal cancer a grandparent or other relative?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	48	(42.1)	181	(55.0)	229	(51.7)
NO	66	(57.9)	148	(45.0)	214	(48.3)
Response Total	114	(100.0)	329	(100.0)	443	(100.0)
Don't Know	0		0		0	
Missing	1		0		1	
TOTAL	115		329		444	

Family History

(K4.3) 127. Did any of these relatives, that is your mother, father, full sisters or brothers or sons or daughters, have colorectal cancer before age 50?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	19	(30.6)	61	(41.5)	80	(38.3)
NO	43	(69.4)	86	(58.5)	129	(61.7)
Response Total	62	(100.0)	147	(100.0)	209	(100.0)
Don't Know	10		20		30	
Missing	0		0		0	
TOTAL	72		167		239	

(K5.1) 128. Did your mother, any of your full sisters, or daughters ever have breast cancer?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	70	(10.2)	173	(10.9)	243	(10.7)
NO	619	(89.8)	1412	(89.1)	2031	(89.3)
Response Total	689	(100.0)	1585	(100.0)	2274	(100.0)
Don't Know	85		82		167	
Missing	0		1		1	
TOTAL	774		1668		2442	

(K5.2) 129. How many of these relatives had breast cancer?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
One	56	(81.2)	125	(72.3)	181	(74.8)
Two or More	13	(18.8)	48	(27.7)	61	(25.2)
Response Total	69	(100.0)	173	(100.0)	242	(100.0)
Don't Know	0		0		0	
Missing	1		0		1	
TOTAL	70		173		243	

Family History

(K5.3) 130. Did any of these female relatives, that is your mother, full sisters, or daughters, have breast cancer before age 50?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	30	(54.5)	100	(64.9)	130	(62.2)
NO	25	(45.5)	54	(35.1)	79	(37.8)
Response Total	55	(100.0)	154	(100.0)	209	(100.0)
Don't Know	14		19		33	
Missing	1		0		1	
TOTAL	70		173		243	

(K6.1) 131. Did your mother, any of your full sisters, or daughters ever have ovarian cancer?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	22	(3.4)	92	(6.0)	114	(5.3)
NO	616	(96.6)	1440	(94.0)	2056	(94.7)
Response Total	638	(100.0)	1532	(100.0)	2170	(100.0)
Don't Know	136		136		272	
Missing	0		0		0	
TOTAL	774		1668		2442	

(K6.2) 132. How many of these relatives had ovarian cancer?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
One	18	(81.8)	69	(75.0)	87	(76.3)
Two or More	4	(18.2)	23	(25.0)	27	(23.7)
Response Total	22	(100.0)	92	(100.0)	114	(100.0)
Don't Know	0		0		0	
Missing	0		0		0	
TOTAL	22		92		114	

Family History

(K6.3) 133. Did any of these female relatives, that is your mother, full sisters, or daughters, have ovarian cancer before age 50?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	14	(66.7)	66	(78.6)	80	(76.2)
NO	7	(33.3)	18	(21.4)	25	(23.8)
Response Total	21	(100.0)	84	(100.0)	105	(100.0)
Don't Know	1		8		9	
Missing	0		0		0	
TOTAL	22		92		114	

(K7.1) 134. Did your father, any of your full brothers, or sons ever have prostate cancer?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	38	(5.6)	90	(6.1)	128	(6.0)
NO	638	(94.4)	1383	(93.9)	2021	(94.0)
Response Total	676	(100.0)	1473	(100.0)	2149	(100.0)
Don't Know	98		194		292	
Missing	0		1		1	
TOTAL	774		1668		2442	

(K7.2) 135. How many of these relatives had prostate cancer?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
One	32	(84.2)	76	(85.4)	108	(85.0)
Two or More	6	(15.8)	13	(14.6)	19	(15.0)
Response Total	38	(100.0)	89	(100.0)	127	(100.0)
Don't Know	0		0		0	
Missing	0		1		1	
TOTAL	38		90		128	

Family History

(K7.3) 136. Did any of these male relatives, that is your father, full brothers, or sons, have prostate cancer before age 50?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	5	(15.2)	18	(25.4)	23	(22.1)
NO	28	(84.8)	53	(74.6)	81	(77.9)
Response Total	33	(100.0)	71	(100.0)	104	(100.0)
Don't Know	5		18		23	
Missing	0		1		1	
TOTAL	38		90		128	

(K8.1) 137. Have any of your full blood relatives had any type of cancer other than colorectal, breast, ovarian, or prostate?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	205	(32.9)	569	(40.8)	774	(38.4)
NO	419	(67.1)	824	(59.2)	1243	(61.6)
Response Total	624	(100.0)	1393	(100.0)	2017	(100.0)
Don't Know	150		274		424	
Missing	0		1		1	
TOTAL	774		1668		2442	

(K8.2a) 138. Was the relative who had other cancer a father, full brother/s, or son/s?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	81	(39.7)	200	(35.1)	281	(36.4)
NO	123	(60.3)	369	(64.9)	492	(63.6)
Response Total	204	(100.0)	569	(100.0)	773	(100.0)
Don't Know	0		0		0	
Missing	1		0		1	
TOTAL	205		569		774	

Family History

(K8.2b) 139. Was the relative who had other cancer a mother, full sister/s, or daughter/s?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	73	(35.8)	187	(32.9)	260	(33.6)
NO	131	(64.2)	382	(67.1)	513	(66.4)
Response Total	204	(100.0)	569	(100.0)	773	(100.0)
Don't Know	0		0		0	
Missing	1		0		1	
TOTAL	205		569		774	

(K8.2c) 140. Was the relative who had other cancer a grandparent or other relative?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	93	(45.6)	320	(56.2)	413	(53.4)
NO	111	(54.4)	249	(43.8)	360	(46.6)
Response Total	204	(100.0)	569	(100.0)	773	(100.0)
Don't Know	0		0		0	
Missing	1		0		1	
TOTAL	205		569		774	

(K8.3) 141. Did any of these relatives have other cancer before age 50?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	49	(41.5)	132	(43.4)	181	(42.9)
NO	69	(58.5)	172	(56.6)	241	(57.1)
Response Total	118	(100.0)	304	(100.0)	422	(100.0)
Don't Know	19		38		57	
Missing	0		0		0	
TOTAL	137		342		479	

Vision

(V1) 142. At the present time, would you say your eyesight using both eyes (with glasses or contact lenses, if you wear them) is excellent, good, fair, poor, or very poor, or are you completely blind?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Excellent	418	(28.1)	609	(26.5)	1027	(27.1)
Good	583	(39.2)	1043	(45.4)	1626	(42.9)
Fair	339	(22.8)	465	(20.2)	804	(21.2)
Poor	125	(8.4)	129	(5.6)	254	(6.7)
Very Poor	21	(1.4)	51	(2.2)	72	(1.9)
Completely Blind	2	(0.1)	2	(0.1)	4	(0.1)
Response Total	1488	(100.0)	2299	(100.0)	3787	(100.0)
Don't Know	0		0		0	
Missing	18		23		41	
TOTAL	1506		2322		3828	

(V2) 143. How much of the time do you worry about your eyesight?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
None of the time	669	(44.9)	1077	(46.8)	1746	(46.1)
A little of the time	432	(29.0)	658	(28.6)	1090	(28.8)
Some of the time	258	(17.3)	393	(17.1)	651	(17.2)
Most of the time	76	(5.1)	127	(5.5)	203	(5.4)
All of the time	55	(3.7)	46	(2.0)	101	(2.7)
Response Total	1490	(100.0)	2301	(100.0)	3791	(100.0)
Don't Know	0		0		0	
Missing	16		21		37	
TOTAL	1506		2322		3828	

Vision

(V3) 144. How much pain or discomfort have you had in and around your eyes (for example, burning, itching, or aching)? Would you say it is:

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
None	911	(61.1)	1406	(61.1)	2317	(61.1)
Mild	425	(28.5)	666	(28.9)	1091	(28.8)
Moderate	125	(8.4)	199	(8.6)	324	(8.5)
Severe	21	(1.4)	17	(0.7)	38	(1.0)
Very severe	10	(0.7)	13	(0.6)	23	(0.6)
Response Total	1492	(100.0)	2301	(100.0)	3793	(100.0)
Don't Know	0		0		0	
Missing	14		21		35	
TOTAL	1506		2322		3828	

(V4) 145. How much difficulty do have reading ordinary print in newspapers? Would you say you have:

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
No difficulty at all	905	(60.7)	1390	(60.5)	2295	(60.6)
A little difficulty	349	(23.4)	576	(25.1)	925	(24.4)
Moderate difficulty	162	(10.9)	203	(8.8)	365	(9.6)
Extreme difficulty	42	(2.8)	80	(3.5)	122	(3.2)
Stopped doing this because of your eyesight	13	(0.9)	21	(0.9)	34	(0.9)
Do not read. Stopped doing this for other reasons or not interested in doing this.	20	(1.3)	26	(1.1)	46	(1.2)
Response Total	1491	(100.0)	2296	(100.0)	3787	(100.0)
Don't Know	0		0		0	
Missing	15		26		41	
TOTAL	1506		2322		3828	

Vision

(V5) 146. How much difficulty do you have doing work or hobbies that require you to see well up close, such as cooking, sewing, fixing things around the house, or using hand tools? Would you say:

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
No difficulty at all	1010	(67.8)	1510	(65.8)	2520	(66.6)
A little difficulty	321	(21.6)	527	(23.0)	848	(22.4)
Moderate difficulty	106	(7.1)	195	(8.5)	301	(8.0)
Extreme difficulty	29	(1.9)	47	(2.0)	76	(2.0)
Stopped doing this because of your eyesight	9	(0.6)	11	(0.5)	20	(0.5)
Do not do these activities. Stopped doing this for other reasons or not interested in doing this.	14	(0.9)	4	(0.2)	18	(0.5)
Response Total	1489	(100.0)	2294	(100.0)	3783	(100.0)
Don't Know	0		0		0	
Missing	17		28		45	
TOTAL	1506		2322		3828	

(V6) 147. Because of your eyesight, how much difficulty do you have going down steps, stairs, or curbs in dim light or at night?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
No difficulty at all	1206	(80.9)	1807	(78.7)	3013	(79.6)
A little difficulty	206	(13.8)	332	(14.5)	538	(14.2)
Moderate difficulty	56	(3.8)	105	(4.6)	161	(4.3)
Extreme difficulty	12	(0.8)	37	(1.6)	49	(1.3)
Stopped doing this because of your eyesight	7	(0.5)	8	(0.3)	15	(0.4)
Unable to walk. Stopped doing this for other reasons or not interested in doing this.	3	(0.2)	8	(0.3)	11	(0.3)
Response Total	1490	(100.0)	2297	(100.0)	3787	(100.0)
Don't Know	0		0		0	
Missing	16		25		41	
TOTAL	1506		2322		3828	

Vision

(V7) 148. Because of your eyesight, how much difficulty do you have noticing objects off to the side while you are walking along?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
No difficulty at all	1148	(77.1)	1848	(80.5)	2996	(79.2)
A little difficulty	257	(17.3)	323	(14.1)	580	(15.3)
Moderate difficulty	55	(3.7)	87	(3.8)	142	(3.8)
Extreme difficulty	18	(1.2)	20	(0.9)	38	(1.0)
Stopped doing this because of your eyesight	4	(0.3)	7	(0.3)	11	(0.3)
Unable to walk. Stopped doing this for other reasons or not interested in doing this.	7	(0.5)	11	(0.5)	18	(0.5)
Response Total	1489	(100.0)	2296	(100.0)	3785	(100.0)
Don't Know	0		0		0	
Missing	17		26		43	
TOTAL	1506		2322		3828	

(V8b) 149. Did you give up driving mainly because of your eyesight, mainly for some other reason, or because of both your eyesight and other reasons?*

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Mainly eyesight	19	(6.3)	16	(6.1)	35	(6.2)
Mainly other reasons	243	(80.5)	220	(84.0)	463	(82.1)
Both eyesight and other reasons	40	(13.2)	26	(9.9)	66	(11.7)
Response Total	302	(100.0)	262	(100.0)	564	(100.0)
Don't Know	0		0		0	
Missing	3		1		4	
TOTAL	305		263		568	

* This question was only asked of respondents who said that they had given up driving in question #216.

Vision

(V8c) 150. Because of your eyesight, how much difficulty do you have driving in the daytime in familiar places? Would you say you have:

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
No difficulty at all	868	(91.7)	1422	(93.4)	2290	(92.7)
A little difficulty	66	(7.0)	92	(6.0)	158	(6.4)
Moderate difficulty	10	(1.1)	7	(0.5)	17	(0.7)
Extreme difficulty	3	(0.3)	2	(0.1)	5	(0.2)
Response Total	947	(100.0)	1523	(100.0)	2470	(100.0)
Don't Know	0		0		0	
Missing	0		2		2	
TOTAL	947		1525		2472	

(V9) 151. Because of your eyesight, how much difficulty do you have driving at night? Would you say you have:

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
No difficulty at all	693	(73.2)	920	(60.4)	1613	(65.3)
A little difficulty	196	(20.7)	475	(31.2)	671	(27.2)
Moderate difficulty	41	(4.3)	94	(6.2)	135	(5.5)
Extreme difficulty	8	(0.8)	23	(1.5)	31	(1.3)
Stopped doing this because of your eyesight	3	(0.3)	8	(0.5)	11	(0.4)
Stopped doing this for other reasons or not interested in doing this.	6	(0.6)	2	(0.1)	8	(0.3)
Response Total	947	(100.0)	1522	(100.0)	2469	(100.0)
Don't Know	0		0		0	
Missing	0		3		3	
TOTAL	947		1525		2472	

Vision

(V10) 152. When was the last time you had an eye exam in which the pupils were dilated? This would have made you temporarily sensitive to bright light.

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Within the past month	110	(8.7)	190	(9.3)	300	(9.1)
Within the past year	451	(35.6)	906	(44.3)	1357	(41.0)
Within the past 2 years	268	(21.2)	395	(19.3)	663	(20.0)
2 or more years ago	250	(19.7)	343	(16.8)	593	(17.9)
Never	188	(14.8)	212	(10.4)	400	(12.1)
Response Total	1267	(100.0)	2046	(100.0)	3313	(100.0)
Don't Know	223		254		477	
Missing	16		22		38	
TOTAL	1506		2322		3828	

(V12.1) 153. Has a doctor ever told you that diabetes has affected your eyes or that you had retinopathy?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	36	(2.5)	38	(1.7)	74	(2.0)
NO	1377	(97.5)	2184	(98.3)	3561	(98.0)
Response Total	1413	(100.0)	2222	(100.0)	3635	(100.0)
Don't Know	78		80		158	
Missing	15		20		35	
TOTAL	1506		2322		3828	

Dental Health

(O1) 154. How long has it been since you last visited the dentist or a dental clinic for any reason?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Within the past year	714	(51.5)	1357	(63.9)	2071	(59.0)
Within the past 2 years	363	(26.2)	424	(20.0)	787	(22.4)
Within the past 5 years	150	(10.8)	165	(7.8)	315	(9.0)
5 or more years ago	133	(9.6)	138	(6.5)	271	(7.7)
Never	26	(1.9)	38	(1.8)	64	(1.8)
Response Total	1386	(100.0)	2122	(100.0)	3508	(100.0)
Don't Know	105		179		284	
Missing	15		21		36	
TOTAL	1506		2322		3828	

(O2) 155. What is the main reason you have not visited the dentist in the last year?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Fear, apprehension, nervousness, pain, dislike going	85	(13.6)	128	(16.1)	213	(15.0)
Cost	73	(11.7)	75	(9.5)	148	(10.4)
Do not have/know a dentist	21	(3.4)	15	(1.9)	36	(2.5)
Can not get to the office/clinic (too far away, no transportation, no appointments available)	34	(5.4)	48	(6.1)	82	(5.8)
No reason to go (no problems, no teeth)	132	(21.1)	160	(20.2)	292	(20.6)
Other priorities	31	(5.0)	59	(7.4)	90	(6.3)
Have not thought of it	116	(18.6)	112	(14.1)	228	(16.1)
Difficulty/unable to get an appointment	68	(10.9)	136	(17.2)	204	(14.4)
Other	65	(10.4)	60	(7.6)	125	(8.8)
Response Total	625	(100.0)	793	(100.0)	1418	(100.0)
Don't Know	149		149		298	
Missing	18		23		41	
TOTAL	792		965		1757	

Dental Health

- (O3) 156. How many of your permanent teeth have been removed because of tooth decay or gum disease? Do not include teeth lost for other reasons, such as injury or orthodontics.

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
1 to 5	599	(44.0)	840	(39.4)	1439	(41.2)
6 or more but not all	224	(16.4)	360	(16.9)	584	(16.7)
All	93	(6.8)	128	(6.0)	221	(6.3)
None	446	(32.7)	805	(37.7)	1251	(35.8)
Response Total	1362	(100.0)	2133	(100.0)	3495	(100.0)
Don't Know	127		166		293	
Missing	17		23		40	
TOTAL	1506		2322		3828	

- (O4) 157. How long has it been since you had your teeth "cleaned" by a dentist or a dental hygienist?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Within the past year	517	(39.9)	976	(47.4)	1493	(44.5)
Within the past 2 years	299	(23.1)	485	(23.6)	784	(23.4)
Within the past 5 years	185	(14.3)	231	(11.2)	416	(12.4)
5 or more years ago	167	(12.9)	179	(8.7)	346	(10.3)
Never	127	(9.8)	186	(9.0)	313	(9.3)
Response Total	1295	(100.0)	2057	(100.0)	3352	(100.0)
Don't Know	193		242		435	
Missing	18		23		41	
TOTAL	1506		2322		3828	

Hearing

(H1) 158. Which statement best describes your hearing (without a hearing aide)? Would you say your hearing is:

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Good	938	(63.5)	1719	(75.2)	2657	(70.6)
Have a little trouble	416	(28.2)	472	(20.6)	888	(23.6)
Have a lot of trouble	112	(7.6)	87	(3.8)	199	(5.3)
Deaf	11	(0.7)	9	(0.4)	20	(0.5)
Response Total	1477	(100.0)	2287	(100.0)	3764	(100.0)
Don't Know	14		14		28	
Missing	15		21		36	
TOTAL	1506		2322		3828	

(H2) 159. About how long has it been since you last had your hearing tested?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Less than a year	249	(19.3)	298	(16.3)	547	(17.5)
1 to 4 years	536	(41.5)	695	(38.1)	1231	(39.5)
More than 4 years ago	448	(34.6)	624	(34.2)	1072	(34.4)
Never	60	(4.6)	208	(11.4)	268	(8.6)
Response Total	1293	(100.0)	1825	(100.0)	3118	(100.0)
Don't Know	199		476		675	
Missing	14		21		35	
TOTAL	1506		2322		3828	

(H3) 160. Are you now wearing a hearing aide?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	55	(3.7)	50	(2.2)	105	(2.8)
NO	1432	(96.3)	2249	(97.8)	3681	(97.2)
Response Total	1487	(100.0)	2299	(100.0)	3786	(100.0)
Don't Know	5		3		8	
Missing	14		20		34	
TOTAL	1506		2322		3828	

Behavioral Health

These questions ask for your views about your health. This first question is about your health now.

(F1) 161. In general, would you say your health is excellent, very good, good, fair, or poor?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Excellent	146	(9.7)	161	(6.9)	307	(8.0)
Very Good	368	(24.5)	518	(22.3)	886	(23.2)
Good	632	(42.0)	1044	(45.0)	1676	(43.8)
Fair	304	(20.2)	521	(22.5)	825	(21.6)
Poor	55	(3.7)	76	(3.3)	131	(3.4)
Response Total	1505	(100.0)	2320	(100.0)	3825	(100.0)
Don't Know	0		0		0	
Missing	1		2		3	
TOTAL	1506		2322		3828	

Now, I'm going to read a list of activities that you might do during a typical day. As I read each item, please tell me if your health now limits you a lot, limits you a little, or does not limit you at all in these activities.

(F2) 162. ...moderate activities, such as moving a table, pushing a vacuum cleaner, bowling, or playing golf. Does your health now limit you a lot, limit you a little, or not limit you at all?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
A lot	131	(8.7)	243	(10.5)	374	(9.8)
A little	295	(19.6)	559	(24.1)	854	(22.3)
Not at all	1079	(71.7)	1517	(65.4)	2596	(67.9)
Response Total	1505	(100.0)	2319	(100.0)	3824	(100.0)
Don't Know	0		0		0	
Missing	1		3		4	
TOTAL	1506		2322		3828	

Behavioral Health

(F3) **163. ...climbing several flights of stairs. Does your health now limit you a lot, limit you a little, or not limit you at all?**

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
A lot	141	(9.4)	264	(11.4)	405	(10.6)
A little	344	(22.9)	768	(33.1)	1112	(29.1)
Not at all	1019	(67.8)	1286	(55.5)	2305	(60.3)
Response Total	1504	(100.0)	2318	(100.0)	3822	(100.0)
Don't Know	0		0		0	
Missing	2		4		6	
TOTAL	1506		2322		3828	

The following two questions ask you about your physical health and your daily activities.

(F4) **164. During the PAST 4 WEEKS, have you accomplished less than you would like as a result of your health?**

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	505	(33.6)	969	(41.9)	1474	(38.6)
NO	997	(66.4)	1346	(58.1)	2343	(61.4)
Response Total	1502	(100.0)	2315	(100.0)	3817	(100.0)
Don't Know	0		0		0	
Missing	4		7		11	
TOTAL	1506		2322		3828	

(F5) **165. During the PAST 4 WEEKS, were you limited in the kind of work or other regular daily activities you do as a result of your physical health?**

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	353	(23.5)	661	(28.5)	1014	(26.5)
NO	1149	(76.5)	1657	(71.5)	2806	(73.5)
Response Total	1502	(100.0)	2318	(100.0)	3820	(100.0)
Don't Know	0		0		0	
Missing	4		4		8	
TOTAL	1506		2322		3828	

Behavioral Health

The following three questions ask you about your emotions and your daily activities.

- (F6) **166. During the PAST 4 WEEKS, have you accomplished less than you would like as a result of any emotional problems, such as feeling depressed or anxious?**

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	310	(20.6)	704	(30.4)	1014	(26.6)
NO	1192	(79.4)	1612	(69.6)	2804	(73.4)
Response Total	1502	(100.0)	2316	(100.0)	3818	(100.0)
Don't Know	0		0		0	
Missing	4		6		10	
TOTAL	1506		2322		3828	

- (F7) **167. During the PAST 4 WEEKS, did you do work or other regular daily activities less carefully than usual as a result of any emotional problems, such as feeling depressed or anxious?**

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	251	(16.7)	510	(22.0)	761	(19.9)
NO	1252	(83.3)	1805	(78.0)	3057	(80.1)
Response Total	1503	(100.0)	2315	(100.0)	3818	(100.0)
Don't Know	0		0		0	
Missing	3		7		10	
TOTAL	1506		2322		3828	

Behavioral Health

(F8) 168. During the PAST 4 WEEKS, how much did pain interfere with your normal work including both work outside the home and housework?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Not at all	715	(47.5)	1015	(43.8)	1730	(45.3)
A bit	458	(30.5)	752	(32.4)	1210	(31.7)
Moderately	179	(11.9)	259	(11.2)	438	(11.5)
Quit a bit	108	(7.2)	220	(9.5)	328	(8.6)
Extremely	44	(2.9)	73	(3.1)	117	(3.1)
Response Total	1504	(100.0)	2319	(100.0)	3823	(100.0)
Don't Know	0		0		0	
Missing	2		3		5	
TOTAL	1506		2322		3828	

The next questions are about how you feel and how things have been with you during the past four weeks. As you read each statement, please give the one answer that comes closest to the way you have been feeling; is it all of the time, most of the time, a good bit of the time, some of the time, a little of the time, or none of the time?

(F9) 169. How much of the time during the PAST 4 WEEKS have you felt calm and peaceful?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
All the time	201	(13.4)	207	(8.9)	408	(10.7)
Most of the time	689	(45.9)	917	(39.6)	1606	(42.1)
A good bit of the time	290	(19.3)	535	(23.1)	825	(21.6)
Some of the time	224	(14.9)	446	(19.2)	670	(17.5)
A little of the time	75	(5.0)	185	(8.0)	260	(6.8)
None of the time	23	(1.5)	27	(1.2)	50	(1.3)
Response Total	1502	(100.0)	2317	(100.0)	3819	(100.0)
Don't Know	0		0		0	
Missing	4		5		9	
TOTAL	1506		2322		3828	

Behavioral Health

(F10) 170. How much of the time during the PAST 4 WEEKS did you have a lot of energy?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
All the time	192	(12.8)	156	(6.7)	348	(9.1)
Most of the time	618	(41.1)	710	(30.6)	1328	(34.7)
A good bit of the time	315	(20.9)	582	(25.1)	897	(23.5)
Some of the time	279	(18.5)	577	(24.9)	856	(22.4)
A little of the time	79	(5.2)	248	(10.7)	327	(8.6)
None of the time	22	(1.5)	44	(1.9)	66	(1.7)
Response Total	1505	(100.0)	2317	(100.0)	3822	(100.0)
Don't Know	0		0		0	
Missing	1		5		6	
TOTAL	1506		2322		3828	

(F11) 171. How much of the time during the PAST 4 WEEKS have you felt downhearted and blue?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
All the time	18	(1.2)	36	(1.6)	54	(1.4)
Most of the time	50	(3.3)	130	(5.6)	180	(4.7)
A good bit of the time	85	(5.7)	203	(8.8)	288	(7.5)
Some of the time	275	(18.3)	551	(23.8)	826	(21.6)
A little of the time	609	(40.5)	927	(40.0)	1536	(40.2)
None of the time	466	(31.0)	470	(20.3)	936	(24.5)
Response Total	1503	(100.0)	2317	(100.0)	3820	(100.0)
Don't Know	0		0		0	
Missing	3		5		8	
TOTAL	1506		2322		3828	

Behavioral Health

(F12) 172. During the PAST 4 WEEKS, how much of the time has your physical health or emotional problems interfered with your social activities, like visiting friends, relatives, etc.?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
All the time	40	(2.7)	67	(2.9)	107	(2.8)
Most of the time	73	(4.9)	211	(9.1)	284	(7.4)
Some of the time	239	(15.9)	395	(17.0)	634	(16.6)
A little of the time	326	(21.7)	555	(24.0)	881	(23.1)
None of the time	826	(54.9)	1089	(47.0)	1915	(50.1)
Response Total	1504	(100.0)	2317	(100.0)	3821	(100.0)
Don't Know	0		0		0	
Missing	2		5		7	
TOTAL	1506		2322		3828	

(D1) 173. In the last 2 weeks, HOW OFTEN did you feel down, have a depressed mood, or feel hopeless?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Not at all	928	(62.3)	1188	(51.7)	2116	(55.8)
Several days	346	(23.2)	697	(30.3)	1043	(27.5)
More than 1/2 the days	152	(10.2)	271	(11.8)	423	(11.2)
Almost every day	64	(4.3)	144	(6.3)	208	(5.5)
Response Total	1490	(100.0)	2300	(100.0)	3790	(100.0)
Don't Know	0		0		0	
Missing	16		22		38	
TOTAL	1506		2322		3828	

Behavioral Health

(D2) 174. In the last 2 weeks, HOW OFTEN did you have difficulties enjoying activities that you used to find pleasureable?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Not at all	1018	(68.5)	1460	(63.5)	2478	(65.5)
Several days	239	(16.1)	484	(21.0)	723	(19.1)
More than 1/2 the days	141	(9.5)	222	(9.7)	363	(9.6)
Almost every day	88	(5.9)	134	(5.8)	222	(5.9)
Response Total	1486	(100.0)	2300	(100.0)	3786	(100.0)
Don't Know	0		0		0	
Missing	20		22		42	
TOTAL	1506		2322		3828	

(D3) 175. In the last 2 weeks, did you have trouble sleeping? Did you find yourself having trouble falling asleep, or staying asleep? Were you sleeping too much or not enough?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Not at all	809	(54.2)	1068	(46.5)	1877	(49.5)
Several days	388	(26.0)	681	(29.6)	1069	(28.2)
More than 1/2 the days	123	(8.2)	227	(9.9)	350	(9.2)
Almost every day	172	(11.5)	322	(14.0)	494	(13.0)
Response Total	1492	(100.0)	2298	(100.0)	3790	(100.0)
Don't Know	0		0		0	
Missing	14		24		38	
TOTAL	1506		2322		3828	

Behavioral Health

(D4) 176. In the last 2 weeks, did you feel your energy had decreased, that you were more tired than you used to be?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Not at all	940	(63.0)	1130	(49.1)	2070	(54.6)
Several days	340	(22.8)	673	(29.3)	1013	(26.7)
More than 1/2 the days	118	(7.9)	276	(12.0)	394	(10.4)
Almost every day	93	(6.2)	221	(9.6)	314	(8.3)
Response Total	1491	(100.0)	2300	(100.0)	3791	(100.0)
Don't Know	0		0		0	
Missing	15		22		37	
TOTAL	1506		2322		3828	

(D5) 177. In the last 2 weeks, did you have any change in your appetite?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Not at all	1163	(77.9)	1557	(67.6)	2720	(71.7)
Several days	207	(13.9)	425	(18.5)	632	(16.7)
More than 1/2 the days	71	(4.8)	169	(7.3)	240	(6.3)
Almost every day	51	(3.4)	151	(6.6)	202	(5.3)
Response Total	1492	(100.0)	2302	(100.0)	3794	(100.0)
Don't Know	0		0		0	
Missing	14		20		34	
TOTAL	1506		2322		3828	

Behavioral Health

(D6) 178. In the last 2 weeks, have you felt like a failure? Have you felt guilty about things?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Not at all	1113	(74.7)	1601	(69.6)	2714	(71.6)
Several days	238	(16.0)	439	(19.1)	677	(17.9)
More than 1/2 the days	73	(4.9)	147	(6.4)	220	(5.8)
Almost every day	65	(4.4)	112	(4.9)	177	(4.7)
Response Total	1489	(100.0)	2299	(100.0)	3788	(100.0)
Don't Know	0		0		0	
Missing	17		23		40	
TOTAL	1506		2322		3828	

(D7) 179. In the last 2 weeks, did you have trouble concentrating on things? Did you find yourself jumping from one thing to another, or not able to stay focused on reading or a TV show?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Not at all	1098	(73.6)	1558	(67.8)	2656	(70.1)
Several days	244	(16.4)	445	(19.4)	689	(18.2)
More than 1/2 the days	77	(5.2)	156	(6.8)	233	(6.1)
Almost every day	73	(4.9)	139	(6.0)	212	(5.6)
Response Total	1492	(100.0)	2298	(100.0)	3790	(100.0)
Don't Know	0		0		0	
Missing	14		24		38	
TOTAL	1506		2322		3828	

Behavioral Health

(D8) 180. In the last 2 weeks, did you feel that you had slowed down, that you didn't get as much done in a day? Or were you just the opposite? Did you feel nervous, restless, unable to sit still?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Not at all	1024	(68.7)	1441	(62.7)	2465	(65.0)
Several days	284	(19.0)	538	(23.4)	822	(21.7)
More than 1/2 the days	107	(7.2)	180	(7.8)	287	(7.6)
Almost every day	76	(5.1)	140	(6.1)	216	(5.7)
Response Total	1491	(100.0)	2299	(100.0)	3790	(100.0)
Don't Know	0		0		0	
Missing	15		23		38	
TOTAL	1506		2322		3828	

(D9) 181. In the last 2 weeks, have you thought of hurting yourself - or that you would be better off dead?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Not at all	1389	(93.3)	2149	(93.6)	3538	(93.4)
Several days	55	(3.7)	96	(4.2)	151	(4.0)
More than 1/2 the days	28	(1.9)	30	(1.3)	58	(1.5)
Almost every day	17	(1.1)	22	(1.0)	39	(1.0)
Response Total	1489	(100.0)	2297	(100.0)	3786	(100.0)
Don't Know	0		0		0	
Missing	17		25		42	
TOTAL	1506		2322		3828	

Behavioral Health

(D10) 182. In the last 2 weeks, how difficult have these problems been for you? (at work, getting along with other people, family, and children?)

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Not at all	1068	(71.7)	1491	(65.0)	2559	(67.6)
Somewhat	367	(24.6)	695	(30.3)	1062	(28.1)
Very	42	(2.8)	86	(3.7)	128	(3.4)
Extremely	12	(0.8)	23	(1.0)	35	(0.9)
Response Total	1489	(100.0)	2295	(100.0)	3784	(100.0)
Don't Know	0		0		0	
Missing	17		27		44	
TOTAL	1506		2322		3828	

Tobacco use has been associated with several chronic health conditions. We ask a series of tobacco-related questions to determine how tobacco use may influence health in AIAN populations. We ask questions about various types of tobacco products since different tobacco products relate differently to health. We ask about amount smoked and number of years smoked since dose, or cumulative amount smoked, are components of tobacco-related risk.

The next questions are about your use of tobacco products including tobacco cigarettes and smokeless tobacco.

(G1) 183. Have you smoked at least 100 cigarettes in your entire life?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	1139	(75.7)	1339	(57.7)	2478	(64.8)
NO	366	(24.3)	980	(42.3)	1346	(35.2)
Response Total	1505	(100.0)	2319	(100.0)	3824	(100.0)
Don't Know	0		0		0	
Missing	1		3		4	
TOTAL	1506		2322		3828	

184. Smoking Status

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Smoke Currently	601	(39.9)	607	(26.2)	1208	(31.6)
Former regular smoker	378	(25.1)	555	(23.9)	933	(24.4)
Never smoked	366	(24.3)	980	(42.3)	1346	(35.2)
Never smoked regularly	160	(10.6)	177	(7.6)	337	(8.8)
Response Total	1505	(100.0)	2319	(100.0)	3824	(100.0)
Don't Know	0		0		0	
Missing	1		3		4	
TOTAL	1506		2322		3828	

(G2.1) 185. Have you ever smoked cigarettes regularly, that is at least one cigarette a day for three months or longer?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	979	(86.0)	1162	(86.8)	2141	(86.4)
NO	160	(14.0)	177	(13.2)	337	(13.6)
Response Total	1139	(100.0)	1339	(100.0)	2478	(100.0)
Don't Know	0		0		0	
Missing	0		0		0	
TOTAL	1139		1339		2478	

(G2.2) 186. How old were you when you first started smoking cigarettes regularly?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Minimum	1		4		1	
Maximum	65		58		65	
Mean	16.6		16.7		16.7	
Median	16.0		16.0		16.0	
<10 years	47	(4.8)	33	(2.8)	80	(3.7)
10-14 years	274	(28.0)	366	(31.5)	640	(29.9)
15-19 years	503	(51.4)	566	(48.7)	1069	(49.9)
20-24 years	102	(10.4)	118	(10.2)	220	(10.3)
≥25 years	53	(5.4)	79	(6.8)	132	(6.2)
Response Total	979	(100.0)	1162	(100.0)	2141	(100.0)
Don't Know	0		0		0	
Missing	0		0		0	
TOTAL	979		1162		2141	

(G2.3) 187. Do you smoke regularly now?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	601	(61.4)	607	(52.2)	1208	(56.4)
NO	378	(38.6)	555	(47.8)	933	(43.6)
Response Total	979	(100.0)	1162	(100.0)	2141	(100.0)
Don't Know	0		0		0	
Missing	0		0		0	
TOTAL	979		1162		2141	

(G2.4) 188. Altogether, how long has it been since you last smoked regularly?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Less than 1 year	59	(16.5)	93	(17.5)	152	(17.1)
1-3 years	86	(24.1)	138	(25.9)	224	(25.2)
4-5 years	32	(9.0)	47	(8.8)	79	(8.9)
6-10 years	77	(21.6)	92	(17.3)	169	(19.0)
11-15 years	35	(9.8)	54	(10.2)	89	(10.0)
16 or more years	68	(19.0)	108	(20.3)	176	(19.8)
Response Total	357	(100.0)	532	(100.0)	889	(100.0)
Don't Know	21		23		44	
Missing	0		0		0	
TOTAL	378		555		933	

Tobacco

(G3.1) 189. On average, about how many cigarettes a day do you currently smoke? A pack of cigarettes is 20 cigarettes.

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Less than 1/2 a pack a day (1-9 cigarettes)	295	(49.1)	375	(61.8)	670	(55.5)
1/2 a pack up to a pack a day (10-19 cigarettes)	232	(38.6)	180	(29.7)	412	(34.1)
One pack or more a day (20 or more cigarettes)	74	(12.3)	52	(8.6)	126	(10.4)
Response Total	601	(100.0)	607	(100.0)	1208	(100.0)
Don't Know	0		0		0	
Missing	0		0		0	
TOTAL	601		607		1208	

(G3.2) 190. On average, about how many cigarettes a day did you smoke? (Former smokers) A pack of cigarettes is 20 cigarettes.

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Less than 1/2 a pack a day (1-9 cigarettes)	169	(44.8)	317	(57.5)	486	(52.4)
1/2 a pack up to a pack a day (10-19 cigarettes)	102	(27.1)	146	(26.5)	248	(26.7)
One pack or more a day (20 or more cigarettes)	106	(28.1)	88	(16.0)	194	(20.9)
Response Total	377	(100.0)	551	(100.0)	928	(100.0)
Don't Know	0		0		0	
Missing	1		4		5	
TOTAL	378		555		933	

(G4.1) 191. During the time you smoked regularly, did you quit smoking for at least one year?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	403	(41.2)	561	(48.3)	964	(45.1)
NO	574	(58.8)	600	(51.7)	1174	(54.9)
Response Total	977	(100.0)	1161	(100.0)	2138	(100.0)
Don't Know	0		0		0	
Missing	2		1		3	
TOTAL	979		1162		2141	

(G4.2) 192. How long in total did you quit smoking?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Less than 2 years	181	(47.0)	188	(35.2)	369	(40.2)
2-4 years	104	(27.0)	182	(34.1)	286	(31.1)
≥5 years	100	(26.0)	164	(30.7)	264	(28.7)
Response Total	385	(100.0)	534	(100.0)	919	(100.0)
Don't Know	18		27		45	
Missing	0		0		0	
TOTAL	403		561		964	

The next questions ask about commercially manufactured chewing tobacco or snuff and homemade chew made from tobacco leaves mixed with ash such as iq'mik.

(G5.1) 193. Have you ever used commercially manufactured chewing tobacco or snuff at least 20 times in your lifetime?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	207	(13.8)	312	(13.5)	519	(13.6)
YES, but not now	410	(27.3)	316	(13.6)	726	(19.0)
NO	887	(59.0)	1688	(72.9)	2575	(67.4)
Response Total	1504	(100.0)	2316	(100.0)	3820	(100.0)
Don't Know	0		0		0	
Missing	2		6		8	
TOTAL	1506		2322		3828	

(G5.2) 194. How old were you when you first started using commercially manufactured chewing tobacco or snuff?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Minimum	2		1		1	
Maximum	74		60		74	
Mean	17.3		14.7		16.0	
Median	16.0		13.0		14.0	
<10 years	103	(16.7)	150	(23.9)	253	(20.3)
10-14 years	162	(26.3)	219	(34.9)	381	(30.6)
15-19 years	221	(35.8)	180	(28.7)	401	(32.2)
20-24 years	52	(8.4)	26	(4.1)	78	(6.3)
≥25 years	79	(12.8)	53	(8.4)	132	(10.6)
Response Total	617	(100.0)	628	(100.0)	1245	(100.0)
Don't Know	0		0		0	
Missing	0		0		0	
TOTAL	617		628		1245	

(G5.4) 195. What is the total number of years you used commercially manufactured chewing tobacco or snuff?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Minimum	0		0		0	
Maximum	60		66		66	
Mean	7.9		10.3		9.0	
Median	4.0		5.0		4.0	
<1 year	11	(2.5)	10	(2.1)	21	(2.3)
1-3 years	116	(26.7)	96	(20.5)	212	(23.5)
4-5 years	66	(15.2)	66	(14.1)	132	(14.6)
6-10 years	100	(23.0)	90	(19.2)	190	(21.0)
11-15 years	42	(9.7)	59	(12.6)	101	(11.2)
≥16 years	99	(22.8)	148	(31.6)	247	(27.4)
Response Total	434	(100.0)	469	(100.0)	903	(100.0)
Don't Know	108		159		267	
Missing	75		0		75	
TOTAL	617		628		1245	

Tobacco

(G6.1) 196. Have you ever used homemade chew from tobacco leaves mixed with ash such as iq'mik at least 20 times in your lifetime?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	147	(9.8)	297	(12.8)	444	(11.6)
YES, but not now	169	(11.2)	194	(8.4)	363	(9.5)
NO	1187	(79.0)	1826	(78.8)	3013	(78.9)
Response Total	1503	(100.0)	2317	(100.0)	3820	(100.0)
Don't Know	0		0		0	
Missing	3		5		8	
TOTAL	1506		2322		3828	

(G6.2) 197. How old were you when you first started using homemade chew from tobacco leaves mixed with ash such as iq'mik?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Minimum	1		1		1	
Maximum	74		58		74	
Mean	19.5		18.6		18.9	
Median	17.0		16.0		16.5	
<10 years	42	(13.3)	76	(15.5)	118	(14.6)
10-14 years	74	(23.5)	121	(24.6)	195	(24.2)
15-19 years	87	(27.6)	127	(25.9)	214	(26.6)
20-24 years	34	(10.8)	50	(10.2)	84	(10.4)
≥25 years	78	(24.8)	117	(23.8)	195	(24.2)
Response Total	315	(100.0)	491	(100.0)	806	(100.0)
Don't Know	0		0		0	
Missing	1		0		1	
TOTAL	316		491		807	

(G6.4) 198. What is the total number of years you used homemade chew from tobacco leaves mixed with ash such as iq'mik?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Minimum	1		1		1	
Maximum	74		58		74	
Mean	19.5		18.6		18.9	
Median	17.0		16.0		16.5	
<1 year	7	(3.2)	8	(2.1)	15	(2.5)
1-3 years	65	(29.7)	93	(24.8)	158	(26.6)
4-5 years	35	(16.0)	46	(12.3)	81	(13.6)
6-10 years	36	(16.4)	73	(19.5)	109	(18.4)
11-15 years	34	(15.5)	45	(12.0)	79	(13.3)
≥16 years	42	(19.2)	110	(29.3)	152	(25.6)
Response Total	219	(100.0)	375	(100.0)	594	(100.0)
Don't Know	60		116		176	
Missing	37		0		37	
TOTAL	316		491		807	

(G7) 199. During the past year, about how many HOURS PER WEEK were you in close contact with people when they were smoking? Including your home, work place, restaurants, bars, casinos, bingo halls, and friends' or relatives' houses.

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Minimum	0.5		0.5		0.5	
Maximum	144		168		168	
Mean	4.5		4.3		4.4	
Median	1.0		0.5		0.5	
Less than 1 hour	467	(49.5)	909	(55.2)	1376	(53.1)
1 hour	125	(13.2)	195	(11.8)	320	(12.4)
More than 1 hour	352	(37.3)	542	(32.9)	894	(34.5)
Response Total	944	(100.0)	1646	(100.0)	2590	(100.0)
Don't Know	0		0		0	
Missing	562		676		1238	
TOTAL	1506		2322		3828	

(E9) 200. How many people smoke cigarettes inside your home?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
None	729	(49.3)	1530	(66.8)	2259	(59.9)
1 person	242	(16.4)	319	(13.9)	561	(14.9)
2 or more persons	509	(34.4)	440	(19.2)	949	(25.2)
Response Total	1480	(100.0)	2289	(100.0)	3769	(100.0)
Don't Know	0		0		0	
Missing	26		33		59	
TOTAL	1506		2322		3828	

Alcohol

We obtain information on alcohol use since alcohol is associated with many health problems. This section asks about lifetime alcohol consumption whereas the Dietary Questionnaire obtains detailed information about more recent alcohol consumption. Information from the Dietary Questionnaire will be used to estimate amount consumed and calorie intake associated with alcohol.

The next questions are about alcoholic beverages: that is beer; wine; or hard liquor including alcoholic cocktails, whiskey, gin, vodka, scotch, bourbon, rum, or tequila. A drink of alcohol is one 12 ounce can or bottle of beer, one 4 ounce glass of wine, one 12 ounce can or bottle of wine cooler, or one cocktail or one shot of hard liquor.

(H1) 201. During your lifetime, have you had at least 12 drinks of any kind of alcoholic beverages?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	1285	(85.5)	1854	(80.1)	3139	(82.2)
NO	218	(14.5)	461	(19.9)	679	(17.8)
Response Total	1503	(100.0)	2315	(100.0)	3818	(100.0)
Don't Know	0		0		0	
Missing	3		7		10	
TOTAL	1506		2322		3828	

(H2) 202. When was your last drink of any kind of alcoholic beverage?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Within the last year	963	(75.1)	1269	(68.6)	2232	(71.3)
More than a year ago	319	(24.9)	581	(31.4)	900	(28.7)
Response Total	1282	(100.0)	1850	(100.0)	3132	(100.0)
Don't Know	0		0		0	
Missing	3		4		7	
TOTAL	1285		1854		3139	

Alcohol

(H2.1) 203. Considering all types of alcoholic beverages, how many times during the PAST 12 MONTHS did you have 5 or more drinks on an occasion?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Minimum	0		0		0	
Maximum	365		356		365	
Mean	13.5		7.8		10.3	
Median	5.0		3.0		3.0	
Not at all	96	(10.0)	294	(23.3)	390	(17.6)
1-6 times	526	(54.8)	643	(51.0)	1169	(52.7)
7-12 times	178	(18.6)	193	(15.3)	371	(16.7)
More than 12 times	159	(16.6)	130	(10.3)	289	(13.0)
Response Total	959	(100.0)	1260	(100.0)	2219	(100.0)
Don't Know	0		0		0	
Missing	7		13		20	
TOTAL	966		1273		2239	

(H2.2) 204. Considering all types of alcoholic beverages, how many times during the PAST 30 DAYS did you have 5 or more drinks on an occasion?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Minimum	0		0		0	
Maximum	55		30		55	
Mean	3.7		2.1		2.8	
Median	2.0		1.0		1.0	
Not at all	276	(28.6)	527	(41.5)	803	(35.9)
1-2 times	314	(32.5)	415	(32.7)	729	(32.6)
3-4 times	141	(14.6)	166	(13.1)	307	(13.7)
More than 4 times	234	(24.2)	161	(12.7)	395	(17.7)
Response Total	965	(100.0)	1269	(100.0)	2234	(100.0)
Don't Know	0		0		0	
Missing	1		4		5	
TOTAL	966		1273		2239	

Alcohol

(H3) 205. Have you ever tried to cut down on your drinking?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	735	(76.4)	839	(66.4)	1574	(70.7)
NO	227	(23.6)	425	(33.6)	652	(29.3)
Response Total	962	(100.0)	1264	(100.0)	2226	(100.0)
Don't Know	0		0		0	
Missing	4		9		13	
TOTAL	966		1273		2239	

(H4) 206. Have people annoyed you by criticising your drinking?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	327	(34.0)	264	(20.9)	591	(26.6)
NO	634	(66.0)	999	(79.1)	1633	(73.4)
Response Total	961	(100.0)	1263	(100.0)	2224	(100.0)
Don't Know	0		0		0	
Missing	5		10		15	
TOTAL	966		1273		2239	

(H5) 207. Have you ever felt bad or guilty about your drinking?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	513	(53.4)	606	(48.0)	1119	(50.3)
NO	448	(46.6)	656	(52.0)	1104	(49.7)
Response Total	961	(100.0)	1262	(100.0)	2223	(100.0)
Don't Know	0		0		0	
Missing	5		11		16	
TOTAL	966		1273		2239	

Alcohol

(H6) 208. Have you ever taken a drink first thing in the morning to steady your nerves or to get rid of a hangover?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	310	(32.3)	183	(14.5)	493	(22.2)
NO	651	(67.7)	1079	(85.5)	1730	(77.8)
Response Total	961	(100.0)	1262	(100.0)	2223	(100.0)
Don't Know	0		0		0	
Missing	5		11		16	
TOTAL	966		1273		2239	

Safety Behaviors

This section will provide information about safety practices. A major health concern of AIAN populations is use of safety devices to prevent injury and death from accidents.

The next questions ask about additional lifestyle behaviors.

- (1) 209. How often do you use a seatbelt when riding or driving in a car or truck?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Always	718	(47.7)	1366	(59.1)	2084	(54.6)
Almost always	287	(19.1)	363	(15.7)	650	(17.0)
About half the time	213	(14.2)	239	(10.3)	452	(11.8)
Never/rarely	228	(15.1)	273	(11.8)	501	(13.1)
I have not ridden in a car or truck in the last year	59	(3.9)	72	(3.1)	131	(3.4)
Response Total	1505	(100.0)	2313	(100.0)	3818	(100.0)
Don't Know	0		0		0	
Missing	1		9		10	
TOTAL	1506		2322		3828	

- (12) 210. How close to the speed limit do you usually drive?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
I always drive the speed limit	560	(37.3)	846	(36.6)	1406	(36.8)
5-10 miles per hour over the speed limit	376	(25.0)	609	(26.3)	985	(25.8)
More than 10 miles per hour over the speed limit	88	(5.9)	77	(3.3)	165	(4.3)
I don't drive	479	(31.9)	781	(33.8)	1260	(33.0)
Response Total	1503	(100.0)	2313	(100.0)	3816	(100.0)
Don't Know	0		0		0	
Missing	3		9		12	
TOTAL	1506		2322		3828	

Safety Behaviors

(I3) 211. How often do you wear a helmet when riding a bicycle, motorcycle, snowmobile, 4-wheeler, or ATV?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Always	132	(8.8)	203	(8.8)	335	(8.8)
Almost always	77	(5.1)	73	(3.2)	150	(3.9)
About half the time	89	(5.9)	70	(3.0)	159	(4.2)
Never/rarely	802	(53.4)	918	(39.6)	1720	(45.0)
I have not ride any of these vehicles	402	(26.8)	1053	(45.4)	1455	(38.1)
Response Total	1502	(100.0)	2317	(100.0)	3819	(100.0)
Don't Know	0		0		0	
Missing	4		5		9	
TOTAL	1506		2322		3828	

(I4) 212. How many times in the last month did you DRIVE a boat, car, or other vehicle after drinking more than one alcoholic drink?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Never	1272	(84.9)	2127	(92.0)	3399	(89.2)
1 time	105	(7.0)	95	(4.1)	200	(5.2)
2 times	54	(3.6)	41	(1.8)	95	(2.5)
≥3 times	68	(4.5)	49	(2.1)	117	(3.1)
Response Total	1499	(100.0)	2312	(100.0)	3811	(100.0)
Don't Know	0		0		0	
Missing	7		10		17	
TOTAL	1506		2322		3828	

Safety Behaviors

(I5) 213. How many times in the last month did you RIDE in a boat, car, or other vehicle after the driver drank more than one alcoholic drink?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Never	1250	(83.3)	2021	(87.5)	3271	(85.9)
1 time	102	(6.8)	125	(5.4)	227	(6.0)
2 times	60	(4.0)	71	(3.1)	131	(3.4)
≥3 times	88	(5.9)	92	(4.0)	180	(4.7)
Response Total	1500	(100.0)	2309	(100.0)	3809	(100.0)
Don't Know	0		0		0	
Missing	6		13		19	
TOTAL	1506		2322		3828	

(I6) 214. How often do you wear a float coat, life jacket, or some sort of personal floatation device or pdf when boating?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Always wear	576	(38.3)	900	(38.9)	1476	(38.7)
Wear about half the time	331	(22.0)	313	(13.5)	644	(16.9)
Rarely or never wear	368	(24.5)	380	(16.4)	748	(19.6)
I do not use a skiff or boat	227	(15.1)	722	(31.2)	949	(24.9)
Response Total	1502	(100.0)	2315	(100.0)	3817	(100.0)
Don't Know	0		0		0	
Missing	4		7		11	
TOTAL	1506		2322		3828	

(V8) 215. Are you currently driving, at least once in a while?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	947	(63.6)	1525	(66.3)	2472	(65.3)
NO	541	(36.4)	775	(33.7)	1316	(34.7)
Response Total	1488	(100.0)	2300	(100.0)	3788	(100.0)
Don't Know	0		0		0	
Missing	18		22		40	
TOTAL	1506		2322		3828	

Safety Behaviors

(V8.1) 216. Have you never driven a car, or have you given up driving?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Never drove	216	(41.5)	494	(65.3)	710	(55.6)
Gave up	305	(58.5)	263	(34.7)	568	(44.4)
Response Total	521	(100.0)	757	(100.0)	1278	(100.0)
Don't Know	0		0		0	
Missing	20		18		38	
TOTAL	541		775		1316	

Occupational Exposure

Exposures to factors in the environment may influence health. These questions provide a brief summary of some substances that AIAN populations are exposed to.

The next questions ask about certain materials you might have worked with or around. Answer yes if you worked with or around the material at least once a month for six months or more. Include materials you may have been exposed to in or around your house or yard, at work, or during your spare time. Include any self-employment or work done for family members or in a family business.

(J1) 217. Did you ever work with or around ASBESTOS at least once a month for six months or more?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	130	(10.9)	60	(3.1)	190	(6.0)
NO	1063	(89.1)	1907	(96.9)	2970	(94.0)
Response Total	1193	(100.0)	1967	(100.0)	3160	(100.0)
Don't Know	310		353		663	
Missing	3		2		5	
TOTAL	1506		2322		3828	

(J2) 218. Did you ever work with or around HEAVY METALS including cadmium or mercury at least once a month for six months or more?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	80	(6.3)	26	(1.2)	106	(3.1)
NO	1200	(93.8)	2092	(98.8)	3292	(96.9)
Response Total	1280	(100.0)	2118	(100.0)	3398	(100.0)
Don't Know	223		200		423	
Missing	3		4		7	
TOTAL	1506		2322		3828	

Occupational Exposure

(J3) 219. Did you ever work with or around LEAD at least once a month for six months or more?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	99	(7.8)	24	(1.2)	123	(3.7)
NO	1176	(92.2)	2053	(98.8)	3229	(96.3)
Response Total	1275	(100.0)	2077	(100.0)	3352	(100.0)
Don't Know	228		239		467	
Missing	3		6		9	
TOTAL	1506		2322		3828	

(J4) 220. Did you ever work with or around MINERAL OR MINING DUST at least once a month for six months or more?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	68	(4.8)	23	(1.0)	91	(2.5)
NO	1342	(95.2)	2191	(99.0)	3533	(97.5)
Response Total	1410	(100.0)	2214	(100.0)	3624	(100.0)
Don't Know	94		102		196	
Missing	2		6		8	
TOTAL	1506		2322		3828	

(J5) 221. Did you ever work with or around PESTICIDES including crop or livestock insecticides, weed killers or fungicides at least once a month for six months or more?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	65	(4.6)	51	(2.3)	116	(3.2)
NO	1346	(95.4)	2158	(97.7)	3504	(96.8)
Response Total	1411	(100.0)	2209	(100.0)	3620	(100.0)
Don't Know	95		108		203	
Missing	0		5		5	
TOTAL	1506		2322		3828	

Occupational Exposure

(J6) 222. Did you ever work with or around **GASOLINE** or **OTHER PETROLEUM PRODUCTS** at least once a month for six months or more? Do not include pumping your own gas.

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	530	(37.1)	128	(5.7)	658	(17.9)
NO	899	(62.9)	2115	(94.3)	3014	(82.1)
Response Total	1429	(100.0)	2243	(100.0)	3672	(100.0)
Don't Know	75		76		151	
Missing	2		3		5	
TOTAL	1506		2322		3828	

(J7) 223. Did you ever work with or around **RADIOACTIVE MATERIALS** including x-ray radiation at least once a month for six months or more?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	64	(4.5)	90	(4.0)	154	(4.2)
NO	1365	(95.5)	2168	(96.0)	3533	(95.8)
Response Total	1429	(100.0)	2258	(100.0)	3687	(100.0)
Don't Know	76		60		136	
Missing	1		4		5	
TOTAL	1506		2322		3828	

(J8) 224. Did you ever do **SILVERSMITHING** or **WELDING** at least once a month for six months or more?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	135	(9.2)	23	(1.0)	158	(4.2)
NO	1338	(90.8)	2281	(99.0)	3619	(95.8)
Response Total	1473	(100.0)	2304	(100.0)	3777	(100.0)
Don't Know	32		15		47	
Missing	1		3		4	
TOTAL	1506		2322		3828	

Occupational Exposure

(J9) 225. Have you ever served in the U.S. military?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	392	(26.0)	55	(2.4)	447	(11.7)
NO	1114	(74.0)	2264	(97.6)	3378	(88.3)
Response Total	1506	(100.0)	2319	(100.0)	3825	(100.0)
Don't Know	0		0		0	
Missing	0		3		3	
TOTAL	1506		2322		3828	

(J10) 226. Were you exposed to BIOLOGICAL or OTHER CHEMICAL AGENTS either in training or combat used in the military including agent orange or depleted uranium?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	82	(24.6)	8	(17.0)	90	(23.7)
NO	251	(75.4)	39	(83.0)	290	(76.3)
Response Total	333	(100.0)	47	(100.0)	380	(100.0)
Don't Know	59		8		67	
Missing	0		0		0	
TOTAL	392		55		447	

Household Environment

The following questions ask about your household environment.

(E2) 227. Which best describes the building in which you now live?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
A mobile home or trailer	108	(7.3)	192	(8.4)	300	(7.9)
A house	1003	(67.4)	1434	(62.4)	2437	(64.4)
A multifamily dwelling such as an apartment, duplex, triplex, etc.	258	(17.3)	557	(24.2)	815	(21.5)
Other	66	(4.4)	65	(2.8)	131	(3.5)
No permanent residence	54	(3.6)	49	(2.1)	103	(2.7)
Response Total	1489	(100.0)	2297	(100.0)	3786	(100.0)
Don't Know	0		0		0	
Missing	17		25		42	
TOTAL	1506		2322		3828	

(E4) 228. Inside your home, do you have dogs, cats, other furry pets, or birds?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	422	(28.4)	867	(37.7)	1289	(34.0)
NO	1066	(71.6)	1432	(62.3)	2498	(66.0)
Response Total	1488	(100.0)	2299	(100.0)	3787	(100.0)
Don't Know	0		0		0	
Missing	18		23		41	
TOTAL	1506		2322		3828	

Household Environment

(E5) 229. Do you have a natural gas (not propane) appliance in your home (such as a cooking stove, range, heater, dryer, or oven)?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	712	(49.7)	1185	(54.9)	1897	(52.8)
NO	720	(50.3)	975	(45.1)	1695	(47.2)
Response Total	1432	(100.0)	2160	(100.0)	3592	(100.0)
Don't Know	60		141		201	
Missing	14		21		35	
TOTAL	1506		2322		3828	

(E6) 230. Which fuel is used most for heating your home?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Gas: from underground pipes serving the neighborhood	235	(15.8)	438	(19.1)	673	(17.8)
Gas: propane, bottled, tank, or liquid propane	72	(4.8)	142	(6.2)	214	(5.7)
Electricity	239	(16.1)	627	(27.4)	866	(22.9)
Fuel oil, kerosene, etc.	595	(40.0)	680	(29.7)	1275	(33.8)
Coal or coke	2	(0.1)	2	(0.1)	4	(0.1)
Wood	171	(11.5)	177	(7.7)	348	(9.2)
Solar energy	0	0.0	1	(0.04)	1	(0.03)
Other fuel	135	(9.1)	172	(7.5)	307	(8.1)
No fuel used	37	(2.5)	52	(2.3)	89	(2.4)
Response Total	1486	(100.0)	2291	(100.0)	3777	(100.0)
Don't Know	0		0		0	
Missing	20		31		51	
TOTAL	1506		2322		3828	

Household Environment

(E7) 231. What type of bathroom facilities are in your home?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Flushing toilet	1213	(81.5)	2033	(88.4)	3246	(85.7)
Honeybucket	227	(15.2)	247	(10.7)	474	(12.5)
Outhouse	17	(1.1)	4	(0.2)	21	(0.6)
Other	32	(2.1)	16	(0.7)	48	(1.3)
Response Total	1489	(100.0)	2300	(100.0)	3789	(100.0)
Don't Know	0		0		0	
Missing	17		22		39	
TOTAL	1506		2322		3828	

(E8) 232. Where does your main source of drinking water come from?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Village/city water system or rural water line	980	(65.7)	1489	(64.8)	2469	(65.1)
Artesian well	13	(0.9)	35	(1.5)	48	(1.3)
Well	140	(9.4)	258	(11.2)	398	(10.5)
Bottled/dispenser	43	(2.9)	132	(5.7)	175	(4.6)
Haul water	212	(14.2)	189	(8.2)	401	(10.6)
Delivered and stored in cistern	11	(0.7)	20	(0.9)	31	(0.8)
Other	92	(6.2)	176	(7.7)	268	(7.1)
Response Total	1491	(100.0)	2299	(100.0)	3790	(100.0)
Don't Know	0		0		0	
Missing	15		23		38	
TOTAL	1506		2322		3828	

Household Environment

(E10) 233. Have there ever been any long-lasting wet or damp spots on any surfaces inside your home (e.g., on walls, wallpaper, floors, ceilings, or carpets)?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	317	(23.6)	508	(24.3)	825	(24.1)
NO	1024	(76.4)	1579	(75.7)	2603	(75.9)
Response Total	1341	(100.0)	2087	(100.0)	3428	(100.0)
Don't Know	147		212		359	
Missing	18		23		41	
TOTAL	1506		2322		3828	

(E10.1) 234. How long did the wet or damp spots last?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Less than 2 weeks	79	(38.5)	105	(31.8)	184	(34.4)
Two weeks or more	126	(61.5)	225	(68.2)	351	(65.6)
Response Total	205	(100.0)	330	(100.0)	535	(100.0)
Don't Know	111		178		289	
Missing	1		0		1	
TOTAL	317		508		825	

(E10.2) 235. Are there CURRENTLY any long-lasting wet or damp spots on any surfaces inside your home?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	193	(60.9)	325	(64.2)	518	(62.9)
NO, problem was fixed	124	(39.1)	181	(35.8)	305	(37.1)
Response Total	317	(100.0)	506	(100.0)	823	(100.0)
Don't Know	0		0		0	
Missing	0		2		2	
TOTAL	317		508		825	

Household Environment

(E11) 236. Has there ever been any mold or mildew on any surfaces inside your home? (do not include mildew on bathroom tiles or mold on food items)?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	316	(24.3)	623	(30.1)	939	(27.8)
NO	987	(75.7)	1449	(69.9)	2436	(72.2)
Response Total	1303	(100.0)	2072	(100.0)	3375	(100.0)
Don't Know	185		228		413	
Missing	18		22		40	
TOTAL	1506		2322		3828	

(E11.1) 237. How long was the mold or mildew there?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Less than 2 weeks	53	(24.2)	91	(22.5)	144	(23.1)
Two weeks or more	166	(75.8)	314	(77.5)	480	(76.9)
Response Total	219	(100.0)	405	(100.0)	624	(100.0)
Don't Know	97		218		315	
Missing	0		0		0	
TOTAL	316		623		939	

(E11.2) 238. About how much mold or mildew was present?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
One square foot or less	128	(53.8)	273	(59.0)	401	(57.2)
More than one square foot	110	(46.2)	190	(41.0)	300	(42.8)
Response Total	238	(100.0)	463	(100.0)	701	(100.0)
Don't Know	77		159		236	
Missing	1		1		2	
TOTAL	316		623		939	

Household Environment

(E11.3) 239. Is there CURRENTLY mold or mildew on any surfaces inside your home?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	130	(57.0)	311	(63.3)	441	(61.3)
NO, problem was fixed	98	(43.0)	180	(36.7)	278	(38.7)
Response Total	228	(100.0)	491	(100.0)	719	(100.0)
Don't Know	88		132		220	
Missing	0		0		0	
TOTAL	316		623		939	

(E12) 240. Have you ever noticed "damp", "musty", or "moldy" odors in any area of your home?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	289	(21.4)	519	(24.4)	808	(23.2)
NO	1063	(78.6)	1607	(75.6)	2670	(76.8)
Response Total	1352	(100.0)	2126	(100.0)	3478	(100.0)
Don't Know	138		174		312	
Missing	16		22		38	
TOTAL	1506		2322		3828	

(E12.1) 241. How long were these odors noticeable?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Less than two weeks	78	(39.2)	119	(32.0)	197	(34.5)
Two weeks or more	121	(60.8)	253	(68.0)	374	(65.5)
Response Total	199	(100.0)	372	(100.0)	571	(100.0)
Don't Know	90		146		236	
Missing	0		1		1	
TOTAL	289		519		808	

Household Environment

(E12.2) 242. Do you CURRENTLY notice "damp", "musty", or "moldy" odors in any area of your home?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	160	(66.9)	324	(73.1)	484	(71.0)
NO, problem was fixed	79	(33.1)	119	(26.9)	198	(29.0)
Response Total	239	(100.0)	443	(100.0)	682	(100.0)
Don't Know	50		75		125	
Missing	0		1		1	
TOTAL	289		519		808	

(E13) 243. Has there ever been any major water damage to your home (for example: spots on roof/ceiling, swelling sheetrock or wood rotting as a result of broken pipes, leaks, or flooding)?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	341	(25.1)	494	(23.7)	835	(24.2)
NO	1018	(74.9)	1592	(76.3)	2610	(75.8)
Response Total	1359	(100.0)	2086	(100.0)	3445	(100.0)
Don't Know	130		214		344	
Missing	17		22		39	
TOTAL	1506		2322		3828	

(E13.1) 244. How long was this damage present?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Less than two weeks	94	(38.7)	131	(37.8)	225	(38.1)
Two weeks or more	149	(61.3)	216	(62.2)	365	(61.9)
Response Total	243	(100.0)	347	(100.0)	590	(100.0)
Don't Know	98		147		245	
Missing	0		0		0	
TOTAL	341		494		835	

Household Environment

(E13.2) 245. Do you CURRENTLY have major water damage to your home?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	117	(43.0)	152	(39.2)	269	(40.8)
NO, problem was fixed	155	(57.0)	236	(60.8)	391	(59.2)
Response Total	272	(100.0)	388	(100.0)	660	(100.0)
Don't Know	69		106		175	
Missing	0		0		0	
TOTAL	341		494		835	

Care of Others

(C1) 246. Does anybody usually rely on you as the main person responsible for their personal care needs?
(For example, eating, bathing, dressing, or getting around the house)?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	514	(34.5)	1103	(47.9)	1617	(42.7)
NO	976	(65.5)	1198	(52.1)	2174	(57.3)
Response Total	1490	(100.0)	2301	(100.0)	3791	(100.0)
Don't Know	0		0		0	
Missing	16		21		37	
TOTAL	1506		2322		3828	

(C2) 247. How many children rely on you for personal care needs?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
None	45	(8.8)	62	(5.6)	107	(6.6)
1 to 2 children	274	(53.7)	667	(60.5)	941	(58.4)
3 to 4 children	127	(24.9)	255	(23.1)	382	(23.7)
5 or more children	64	(12.5)	118	(10.7)	182	(11.3)
Response Total	510	(100.0)	1102	(100.0)	1612	(100.0)
Don't Know	0		0		0	
Missing	4		1		5	
TOTAL	514		1103		1617	

(C2.1a) 248. How many of these children are between 0-1 years old?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
None	266	(58.6)	682	(66.5)	948	(64.1)
1	155	(34.1)	295	(28.8)	450	(30.4)
2	22	(4.8)	29	(2.8)	51	(3.4)
3 or more	11	(2.4)	20	(1.9)	31	(2.1)
Response Total	454	(100.0)	1026	(100.0)	1480	(100.0)
Don't Know	0		0		0	
Missing	11		14		25	
TOTAL	465		1040		1505	

Care of Others

(C2.1b) 249. How many of these children are between 2-5 years old?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
None	183	(40.0)	416	(40.3)	599	(40.2)
1	167	(36.5)	416	(40.3)	583	(39.1)
2	75	(16.4)	148	(14.3)	223	(15.0)
3 or more	32	(7.0)	53	(5.1)	85	(5.7)
Response Total	457	(100.0)	1033	(100.0)	1490	(100.0)
Don't Know	0		0		0	
Missing	8		7		15	
TOTAL	465		1040		1505	

(C2.1c) 250. How many of these children are between 6-12 years old?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
None	187	(40.6)	426	(41.4)	613	(41.1)
1	133	(28.9)	326	(31.7)	459	(30.8)
2	85	(18.4)	190	(18.4)	275	(18.4)
3 or more	56	(12.1)	88	(8.5)	144	(9.7)
Response Total	461	(100.0)	1030	(100.0)	1491	(100.0)
Don't Know	0		0		0	
Missing	4		10		14	
TOTAL	465		1040		1505	

Care of Others

(C2.1d) 251. How many of these children are between 13-18 years old?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
None	267	(58.7)	614	(59.8)	881	(59.5)
1	94	(20.7)	248	(24.2)	342	(23.1)
2	57	(12.5)	105	(10.2)	162	(10.9)
3 or more	37	(8.1)	59	(5.8)	96	(6.5)
Response Total	455	(100.0)	1026	(100.0)	1481	(100.0)
Don't Know	0		0		0	
Missing	10		14		24	
TOTAL	465		1040		1505	

(C2.2a) 252. How many of these children are your own children?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
None	157	(34.1)	153	(14.8)	310	(20.7)
1	97	(21.1)	275	(26.6)	372	(24.9)
2	78	(17.0)	242	(23.4)	320	(21.4)
3 or more	128	(27.8)	365	(35.3)	493	(33.0)
Response Total	460	(100.0)	1035	(100.0)	1495	(100.0)
Don't Know	0		0		0	
Missing	5		5		10	
TOTAL	465		1040		1505	

Care of Others

(C2.2b) 253. How many of these children are your grandchildren?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
None	363	(79.6)	813	(79.1)	1176	(79.2)
1	20	(4.4)	69	(6.7)	89	(6.0)
2	34	(7.5)	56	(5.4)	90	(6.1)
3 or more	39	(8.6)	90	(8.8)	129	(8.7)
Response Total	456	(100.0)	1028	(100.0)	1484	(100.0)
Don't Know	0		0		0	
Missing	9		12		21	
TOTAL	465		1040		1505	

(C2.2c) 254. How many of these children are some other relative or not related?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
None	280	(61.9)	801	(78.5)	1081	(73.4)
1	51	(11.3)	92	(9.0)	143	(9.7)
2	39	(8.6)	56	(5.5)	95	(6.4)
3 or more	82	(18.1)	72	(7.1)	154	(10.5)
Response Total	452	(100.0)	1021	(100.0)	1473	(100.0)
Don't Know	0		0		0	
Missing	13		19		32	
TOTAL	465		1040		1505	

(C2.3) 255. Are any of these children mentally or physically disabled?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	33	(7.1)	74	(7.1)	107	(7.1)
NO	430	(92.9)	962	(92.9)	1392	(92.9)
Response Total	463	(100.0)	1036	(100.0)	1499	(100.0)
Don't Know	0		0		0	
Missing	2		4		6	
TOTAL	465		1040		1505	

Care of Others

(C3) 256. How many adults rely on you for PERSONAL CARE needs?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
None	248	(48.6)	685	(62.7)	933	(58.2)
1	137	(26.9)	269	(24.6)	406	(25.3)
2	57	(11.2)	74	(6.8)	131	(8.2)
3 or more	68	(13.3)	65	(5.9)	133	(8.3)
Response Total	510	(100.0)	1093	(100.0)	1603	(100.0)
Don't Know	0		0		0	
Missing	4		10		14	
TOTAL	514		1103		1617	

(C3.1a) 257. Do any of these adults have MENTAL DIFFICULTIES?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	41	(15.6)	58	(14.2)	99	(14.8)
NO	221	(84.4)	350	(85.8)	571	(85.2)
Response Total	262	(100.0)	408	(100.0)	670	(100.0)
Don't Know	0		0		0	
Missing	0		0		0	
TOTAL	262		408		670	

(C3.1b) 258. Do any of these adults have PHYSICAL DIFFICULTIES?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	108	(41.2)	150	(36.8)	258	(38.5)
NO	154	(58.8)	258	(63.2)	412	(61.5)
Response Total	262	(100.0)	408	(100.0)	670	(100.0)
Don't Know	0		0		0	
Missing	0		0		0	
TOTAL	262		408		670	

Cultural Factors

These questions ask about cultural factors and your Native lifestyle.

(M1) 259. What language do you usually speak at home, your own Alaska Native or American Indian language, English, both?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
Native language	153	(10.2)	150	(6.5)	303	(7.9)
English	953	(63.3)	1593	(68.7)	2546	(66.6)
Both	395	(26.2)	567	(24.4)	962	(25.2)
Other	4	(0.3)	10	(0.4)	14	(0.4)
Response Total	1505	(100.0)	2320	(100.0)	3825	(100.0)
Don't Know	0		0		0	
Missing	1		2		3	
TOTAL	1506		2322		3828	

(M2) 260. How much do you identify with your own tribal tradition?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
A lot	529	(35.2)	772	(33.3)	1301	(34.0)
Some	524	(34.8)	844	(36.4)	1368	(35.8)
A little	347	(23.1)	557	(24.0)	904	(23.7)
Not at all	104	(6.9)	145	(6.3)	249	(6.5)
Response Total	1504	(100.0)	2318	(100.0)	3822	(100.0)
Don't Know	0		0		0	
Missing	2		4		6	
TOTAL	1506		2322		3828	

Cultural Factors

(M3) 261. How much do you identify yourself with non-Native culture?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
A lot	371	(24.7)	662	(28.6)	1033	(27.1)
Some	616	(41.0)	899	(38.9)	1515	(39.7)
A little	319	(21.2)	493	(21.3)	812	(21.3)
Not at all	196	(13.0)	258	(11.2)	454	(11.9)
Response Total	1502	(100.0)	2312	(100.0)	3814	(100.0)
Don't Know	0		0		0	
Missing	4		10		14	
TOTAL	1506		2322		3828	

(M4) 262. Do you ever attend Native dances, powwows, potlatches, chicken scratch dances, sweats, or other such traditional events?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	1085	(72.2)	1813	(78.2)	2898	(75.8)
NO	418	(27.8)	505	(21.8)	923	(24.2)
Response Total	1503	(100.0)	2318	(100.0)	3821	(100.0)
Don't Know	0		0		0	
Missing	3		4		7	
TOTAL	1506		2322		3828	

(M5) 263. Do you ever participate in Native dances, powwows, potlatches, chicken scratch dances, sweats, or other such traditional events as a dancer, drum member, organizer, or other active participant?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
YES	642	(42.7)	1147	(49.5)	1789	(46.8)
NO	862	(57.3)	1171	(50.5)	2033	(53.2)
Response Total	1504	(100.0)	2318	(100.0)	3822	(100.0)
Don't Know	0		0		0	
Missing	2		4		6	
TOTAL	1506		2322		3828	

Cultural Factors

(TM5) 264. How much of your food do you get from subsistence?

	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
All or almost all	374	(25.1)	466	(20.3)	840	(22.2)
About half	512	(34.4)	670	(29.2)	1182	(31.2)
Less than half	297	(19.9)	492	(21.4)	789	(20.9)
None or very little	306	(20.6)	667	(29.1)	973	(25.7)
Response Total	1489	(100.0)	2295	(100.0)	3784	(100.0)
Don't Know	0		0		0	
Missing	17		27		44	
TOTAL	1506		2322		3828	

Medical History

(B1.1) 32. Did a doctor or other health care provider ever tell you that you had HYPERTENSION also called high blood pressure? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	31	(11.7)	29	(8.2)	60	(9.7)
25-44	128	(21.6)	180	(17.6)	308	(19.1)
45-59	148	(38.9)	206	(35.4)	354	(36.8)
60+	79	(56.0)	158	(58.7)	237	(57.8)
Total Yes	386		573		959	

(B2.1) 34. Did a doctor or other health care provider ever tell you that you had HEART DISEASE INCLUDING CONGESTIVE HEART FAILURE, A HEART ATTACK, OR OTHER HEART PROBLEM? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	10	(3.4)	10	(2.7)	20	(3.0)
25-44	33	(5.4)	45	(4.3)	78	(4.7)
45-59	53	(13.3)	66	(11.2)	119	(12.0)
60+	46	(32.2)	58	(21.6)	104	(25.3)
Total Yes	142		179		321	

(B3.1) 36. Did a doctor or other health care provider ever tell you that you had HIGH CHOLESTEROL? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	10	(4.7)	10	(3.8)	20	(4.2)
25-44	73	(14.3)	112	(13.0)	185	(13.5)
45-59	107	(30.6)	182	(32.6)	289	(31.8)
60+	67	(48.6)	102	(40.6)	169	(43.4)
Total Yes	257		406		663	

Medical History

(B4.1) 38. Did a doctor or other health care provider ever tell you that you had STROKE? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	1	(0.3)	0	(0.0)	1	(0.1)
25-44	4	(0.6)	9	(0.9)	13	(0.8)
45-59	12	(3.0)	18	(3.0)	30	(3.0)
60+	17	(11.4)	28	(10.3)	45	(10.7)
Total Yes	34		55		89	

(B5.1) 40. Did a doctor or other health care provider ever tell you that you had GALLBLADDER DISEASE? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	2	(0.7)	13	(3.4)	15	(2.2)
25-44	18	(2.9)	118	(11.4)	136	(8.2)
45-59	19	(4.7)	140	(23.4)	159	(15.9)
60+	15	(10.3)	90	(32.7)	105	(25.0)
Total Yes	54		361		415	

(B6.1) 42. Did a doctor or other health care provider ever tell you that you had KIDNEY FAILURE? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	0	(0.0)	2	(0.5)	2	(0.3)
25-44	8	(1.3)	10	(1.0)	18	(1.1)
45-59	3	(0.7)	5	(0.8)	8	(0.8)
60+	9	(6.3)	14	(5.1)	23	(5.5)
Total Yes	20		31		51	

Medical History

(B7.1) 44. Did a doctor or other health care provider ever tell you that you had LIVER DISEASE INCLUDING CIRRHOSIS OR HEPATITIS? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	7	(2.3)	4	(1.1)	11	(1.6)
25-44	53	(8.5)	69	(6.7)	122	(7.4)
45-59	48	(12.1)	69	(11.7)	117	(11.8)
60+	11	(7.7)	18	(6.7)	29	(7.0)
Total Yes	119		160		279	

(B8.1) 46. Did a doctor or other health care provider ever tell you that you had ANY DISEASE OF THE THYROID? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	2	(0.7)	7	(1.9)	9	(1.3)
25-44	0	(0.0)	48	(4.7)	48	(2.9)
45-59	8	(2.0)	49	(8.4)	57	(5.8)
60+	5	(3.6)	26	(9.8)	31	(7.7)
Total Yes	15		130		145	

(B9.1) 48. Did a doctor or other health care provider ever tell you that you had BONE FRACTURE OR BREAK AS AN ADULT, that is after age 18? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	64	(21.5)	24	(6.3)	88	(13.0)
25-44	217	(35.1)	237	(22.7)	454	(27.3)
45-59	170	(42.6)	193	(32.3)	363	(36.4)
60+	49	(33.6)	104	(37.7)	153	(36.3)
Total Yes	500		558		1058	

Medical History

(B10.1) 50. Did a doctor or other health care provider ever tell you that you had some form of ARTHRITIS including osteoarthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	9	(3.1)	6	(1.6)	15	(2.3)
25-44	69	(11.2)	181	(17.7)	250	(15.3)
45-59	125	(31.2)	224	(38.4)	349	(35.5)
60+	60	(42.0)	159	(59.8)	219	(53.5)
Total Yes	263		570		833	

(B11.1) 52. Did a doctor or other health care provider ever tell you that you had ASTHMA? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	29	(9.9)	51	(13.7)	80	(12.0)
25-44	39	(6.3)	182	(17.7)	221	(13.4)
45-59	41	(10.2)	121	(20.3)	162	(16.2)
60+	35	(23.5)	68	(25.1)	103	(24.5)
Total Yes	144		422		566	

(B12.1) 54. Did a doctor or other health care provider ever tell you that you had CHRONIC BRONCHITIS, EMPHYSEMA, OR CHRONIC OBSTRUCTIVE PULMONARY DISEASE OR COPD? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	27	(9.7)	20	(5.5)	47	(7.3)
25-44	38	(6.3)	73	(7.1)	111	(6.8)
45-59	37	(9.4)	65	(11.0)	102	(10.4)
60+	19	(13.9)	40	(15.6)	59	(15.0)
Total Yes	121		198		319	

Medical History

(B13.1) 56. Did a doctor or other health care provider ever tell you that you had GLAUCOMA? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	0	(0.0)	0	(0.0)	0	(0.0)
25-44	6	(1.0)	12	(1.2)	18	(1.1)
45-59	14	(3.5)	21	(3.6)	35	(3.5)
60+	9	(6.7)	30	(11.5)	39	(9.8)
Total Yes	29		63		92	

(B14.1) 58. Did a doctor or other health care provider ever tell you that you had CATARACTS? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	0	(0.0)	1	(0.3)	1	(0.1)
25-44	14	(2.3)	15	(1.4)	29	(1.7)
45-59	33	(8.3)	41	(6.9)	74	(7.5)
60+	27	(19.4)	90	(34.4)	117	(29.2)
Total Yes	74		147		221	

(B15.1) 60. Did a doctor or other health care provider ever tell you that you had DEPRESSION that required treatment with medication? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	33	(11.1)	83	(22.4)	116	(17.4)
25-44	90	(14.6)	313	(30.3)	403	(24.4)
45-59	63	(15.8)	180	(30.2)	243	(24.4)
60+	21	(14.5)	47	(17.6)	68	(16.5)
Total Yes	207		623		830	

Medical History

(B16.1) 62. Did a doctor or other health care provider ever tell you that you had DIABETES OR SUGAR DIABETES? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	1	(0.4)	13	(3.8)	14	(2.3)
25-44	13	(2.3)	113	(11.3)	126	(8.1)
45-59	30	(7.9)	86	(14.8)	116	(12.0)
60+	22	(15.8)	39	(14.7)	61	(15.1)
Total Yes	66		251		317	

(B17.1) 64. Did a doctor or other health care provider ever tell you that you had CANCER? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	0	(0.0)	3	(0.8)	3	(0.4)
25-44	5	(0.8)	29	(2.8)	34	(2.1)
45-59	12	(3.0)	41	(6.9)	53	(5.3)
60+	16	(10.8)	34	(12.4)	50	(11.8)
Total Yes	33		107		140	

(C1) 66. How old were you when you had your first menstrual period?(YES = ≤14 years)

Age Group	Women	
	n	(%)
18-24	354	(93.2)
25-44	946	(90.7)
45-59	517	(86.9)
60+	220	(81.5)
Total Yes	2037	

Medical History

(C2) 67. Have you had a menstrual period in the last 12 months? (YES)

Age Group	Women	
	n	(%)
18-24	346	(91.3)
25-44	905	(87.2)
45-59	248	(41.5)
60+	3	(1.1)
Total Yes	1502	

(C3.1) 68. Have your periods stopped permanently, that is have you gone through menopause or the change of life? (YES)

Age Group	Women	
	n	(%)
18-24	5	(1.3)
25-44	41	(4.0)
45-59	334	(59.0)
60+	240	(89.2)
Total Yes	620	

(C3.3) 70. Have you had a hysterectomy, that is surgery to remove your uterus or womb? (YES)

Age Group	Women	
	n	(%)
18-24	1	(14.3)
25-44	25	(58.1)
45-59	95	(28.6)
60+	87	(37.2)
Total Yes	208	

Medical History

(C4) 71. Are you currently going through menopause? (YES)

Age Group	Women	
	n	(%)
18-24	1	(0.3)
25-44	21	(2.3)
45-59	80	(43.5)
60+	3	(9.4)
Total Yes	105	

(C5) 72. Have you ever had surgery to remove either part or all of one or both of your ovaries? (YES)

Age Group	Women	
	n	(%)
18-24	3	(0.8)
25-44	52	(5.0)
45-59	96	(16.3)
60+	80	(30.7)
Total Yes	231	

(C6.1) 73. Have you ever used estrogen, progesterone, or other female hormones by pill, injection, or patch? (YES = CURRENT AND PAST USE)

Age Group	Women	
	n	(%)
18-24	2	(18.2)
25-44	47	(33.1)
45-59	211	(43.5)
60+	110	(47.4)
Total Yes	370	

Medical History

(C7.1) 75. Have you ever been pregnant? (YES)

Age Group	Women	
	n	(%)
18-24	202	(54.4)
25-44	943	(90.0)
45-59	572	(94.7)
60+	270	(97.1)
Total Yes	1987	

(C7.2) 76. How many times have you been pregnant? (YES = 4 OR MORE PREGNANCIES)

Age Group	Women	
	n	(%)
18-24	13	(1.9)
25-44	526	(31.2)
45-59	340	(33.6)
60+	207	(48.0)
Total Yes	1086	

(C7.3) 77. How many live births have you had? (YES = 4 OR MORE BIRTHS)

Age Group	Women	
	n	(%)
18-24	4	(0.6)
25-44	367	(21.8)
45-59	248	(24.5)
60+	186	(43.2)
Total Yes	805	

Medical History

(C7.4) 78. How old were you when you had your first live birth? (YES = <18 YEARS)

Age Group	Women	
	n	(%)
18-24	51	(15.4)
25-44	158	(15.9)
45-59	83	(14.6)
60+	38	(14.7)
Total Yes	330	

(C7.5) 79. How many miscarriages have you had? (YES = MORE THAN 1)

Age Group	Women	
	n	(%)
18-24	9	(4.2)
25-44	139	(24.3)
45-59	104	(34.0)
60+	54	(41.2)
Total Yes	306	

(C8.1) 80. Have you ever taken birth control pills for one month or longer? (YES = CURRENT AND PAST USE)

Age Group	Women	
	n	(%)
18-24	223	(58.2)
25-44	731	(70.0)
45-59	365	(61.4)
60+	108	(40.3)
Total Yes	1427	

Medical History

(C9.1) 82. Have you ever had birth control shots such as Depo Provera? (YES = CURRENT AND PAST USE)

Age Group	Women	
	n	(%)
18-24	163	(42.3)
25-44	470	(45.0)
45-59	49	(8.2)
60+	6	(2.2)
Total Yes	688	

(C10.1) 84. Have you ever had a birth control implant such as Norplant? Do not include an IUD. (YES)

Age Group	Women	
	n	(%)
18-24	3	(0.8)
25-44	155	(14.8)
45-59	57	(9.5)
60+	11	(4.0)
Total Yes	226	

(D1.1) 86. Did you ever have a mammogram? (YES)

Age Group	Women	
	n	(%)
18-24	34	(9.7)
25-44	341	(33.3)
45-59	554	(92.3)
60+	256	(93.8)
Total Yes	1185	

Medical History

(D2.1) 88. Did you ever have a Pap smear? (YES)

Age Group	Women	
	n	(%)
18-24	308	(81.3)
25-44	1038	(99.0)
45-59	585	(97.5)
60+	250	(91.6)
Total Yes	2181	

(D3.1) 90. Did you ever have a PSA test? A PSA test is a blood test used to check men for prostate cancer. (YES)

Age Group	Men	
	n	(%)
50-59	50	(23.9)
60+	68	(52.3)
Total Yes	118	

(D4.1) 92. Did you ever have a test to see if there is blood in your bowel movement also called a fecal occult blood test or FOBT? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
50-59	55	(26.3)	135	(42.5)	190	(36.1)
60+	56	(40.9)	107	(43.3)	163	(42.4)
Total Yes	111		242		353	

(D5.1) 94. Did you ever have a colonoscopy or sigmoidoscopy? These are tests in which a tube is inserted in the rectum to view the bowel. (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
50-59	88	(37.8)	189	(54.5)	277	(47.8)
60+	66	(47.1)	151	(59.0)	217	(54.8)
Total Yes	154		340		494	

(D6.1) 96. Did a doctor or other health care provider ever tell you that you had a colon or rectal polyp? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
50-59	25	(32.5)	65	(36.9)	90	(35.6)
60+	23	(38.3)	50	(35.5)	73	(36.3)
Total Yes	48		115		163	

Medical History

(E1.1) 97. Have you ever used aspirin at least twice a week for one month or longer? This does not include Tylenol. (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	89	(31.2)	83	(22.6)	172	(26.4)
25-44	211	(33.8)	216	(20.7)	427	(25.6)
45-59	197	(49.3)	203	(34.3)	400	(40.4)
60+	98	(68.5)	132	(49.1)	230	(55.8)
Total Yes	595		634		1229	

(E2.1) 99. Have you ever used ibuprofen, Advil, or other nonsteroidal anti-inflammatory drugs at least twice a week for one month or longer? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	145	(50.0)	178	(47.8)	323	(48.8)
25-44	334	(53.2)	551	(53.1)	885	(53.2)
45-59	200	(50.4)	330	(55.7)	530	(53.6)
60+	58	(41.1)	128	(49.0)	186	(46.3)
Total Yes	737		1187		1924	

(E3) 101. In the past year have you used any traditional medicines? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	85	(29.6)	68	(19.8)	153	(24.2)
25-44	155	(25.7)	224	(22.8)	379	(23.9)
45-59	113	(28.8)	164	(28.7)	277	(28.7)
60+	58	(40.8)	92	(34.7)	150	(36.9)
Total Yes	411		548		959	

(E4) 102. In the past year have you sought advice or treatment from a traditional healer? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	17	(5.9)	13	(3.5)	30	(4.5)
25-44	29	(4.6)	77	(7.4)	106	(6.4)
45-59	40	(9.8)	73	(12.3)	113	(11.3)
60+	13	(8.8)	27	(10.0)	40	(9.6)
Total Yes	99		190		289	

Medical History

(TM1) 103. Have YOU ever been treated by a Traditional Native Healer? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	18	(6.7)	22	(6.2)	40	(6.4)
25-44	55	(9.2)	121	(12.0)	176	(11.0)
45-59	60	(15.1)	110	(18.6)	170	(17.2)
60+	24	(16.6)	38	(14.1)	62	(15.0)
Total Yes	157		291		448	

(TM1.1) 104. Would you go to a Traditional Native Healer again? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	13	(81.3)	18	(90.0)	31	(86.1)
25-44	44	(91.7)	107	(97.3)	151	(95.6)
45-59	51	(89.5)	104	(97.2)	155	(94.5)
60+	19	(86.4)	32	(88.9)	51	(87.9)
Total Yes	127		261		388	

(TM2) 105. Have you ever taken your children to a Traditional Native Healer? (YES = SOMETIMES AND USUALLY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	7	(2.5)	4	(1.1)	11	(1.7)
25-44	7	(1.2)	31	(3.1)	38	(2.4)
45-59	12	(3.0)	28	(4.9)	40	(4.1)
60+	10	(7.1)	6	(2.3)	16	(4.0)
Total Yes	36		69		105	

(TM3) 106. Do you use Traditional Native remedies/practices when you are sick or ill? (YES = SOMETIMES AND USUALLY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	102	(36.6)	97	(27.2)	199	(31.3)
25-44	228	(38.4)	346	(34.6)	574	(36.0)
45-59	149	(38.3)	244	(42.3)	393	(40.7)
60+	58	(40.6)	95	(37.0)	153	(38.3)
Total Yes	537		782		1319	

Medical History

(TM4) 107. Do you use Traditional Native remedies/practices to remain healthy (prevent illness)? (YES = SOMETIMES AND USUALLY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	102	(36.6)	97	(27.2)	199	(31.3)
25-44	228	(38.4)	346	(34.6)	574	(36.0)
45-59	149	(38.3)	244	(42.3)	393	(40.7)
60+	58	(40.6)	95	(37.0)	153	(38.3)
Total Yes	537		782		1319	

Family History

(K1) 108. Is participant willing to answer questions about family history?

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	115	(37.2)	260	(67.5)	375	(54.0)
25-44	340	(53.5)	780	(74.2)	1120	(66.4)
45-59	241	(58.9)	469	(77.6)	710	(70.1)
60+	78	(51.7)	159	(56.8)	237	(55.0)
Total Yes	774		1668		2442	

(K1.1) 109. Have any of your blood relatives ever had a heart attack?

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	46	(52.9)	89	(47.1)	135	(48.9)
25-44	150	(55.6)	326	(52.3)	476	(53.3)
45-59	127	(59.1)	239	(57.7)	366	(58.2)
60+	30	(43.5)	69	(51.1)	99	(48.5)
Total Yes	353		723		1076	

(K2.1) 115. Have any of your blood relatives ever had a stroke?

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	48	(60.0)	93	(50.8)	141	(53.6)
25-44	132	(50.6)	356	(58.7)	488	(56.3)
45-59	104	(51.7)	226	(56.4)	330	(54.8)
60+	26	(38.2)	62	(45.9)	88	(43.3)
Total Yes	310		737		1047	

Family History

(K3.1) 119. Have any of your blood relatives ever had a diabetes?

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	37	(46.3)	107	(52.2)	144	(50.5)
25-44	120	(46.3)	381	(59.3)	501	(55.5)
45-59	83	(41.5)	228	(56.6)	311	(51.6)
60+	25	(37.3)	70	(51.5)	95	(46.8)
Total Yes	265		786		1051	

(K4.1) 123. Have any of your blood relatives ever had a colorectal cancer?

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	12	(16.9)	36	(19.9)	48	(19.0)
25-44	50	(19.2)	156	(26.2)	206	(24.1)
45-59	41	(21.7)	103	(26.6)	144	(25.0)
60+	12	(18.8)	34	(25.0)	46	(23.0)
Total Yes	115		329		444	

(K5.1) 128. Did your mother, any of your full sisters, or daughters ever have breast cancer?

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	5	(5.3)	20	(8.5)	25	(7.6)
25-44	26	(8.4)	75	(10.1)	101	(9.6)
45-59	24	(11.3)	63	(13.8)	87	(13.0)
60+	15	(21.4)	15	(10.0)	30	(13.6)
Total Yes	70		173		243	

Family History

(K6.1) 131. Did your mother, any of your full sisters, or daughters ever have ovarian cancer?

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	1	(1.1)	3	(1.3)	4	(1.2)
25-44	9	(3.2)	52	(7.3)	61	(6.1)
45-59	9	(4.5)	28	(6.4)	37	(5.8)
60+	3	(4.7)	9	(6.3)	12	(5.8)
Total Yes	22		92		114	

(K7.1) 134. Did your father, any of your full brothers, or sons ever have prostate cancer?

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	0	0.0	4	(1.8)	4	(1.2)
25-44	17	(5.8)	37	(5.5)	54	(5.6)
45-59	16	(7.5)	27	(6.4)	43	(6.8)
60+	5	(7.1)	22	(15.3)	27	(12.6)
Total Yes	38		90		128	

(K8.1) 137. Have any of your full blood relatives had any type of cancer other than colorectal, breast, ovarian, or prostate?

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	22	(25.6)	67	(34.7)	89	(31.9)
25-44	89	(33.0)	264	(40.8)	353	(38.5)
45-59	69	(34.3)	185	(44.9)	254	(41.4)
60+	25	(37.3)	53	(37.6)	78	(37.5)
Total Yes	205		569		774	

Vision

- (V1) 142. At the present time, would you say your eyesight using both eyes (with glasses or contact lenses, if you wear them) is excellent or good? (YES = EXCELLENT AND GOOD)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	232	(75.8)	305	(79.8)	537	(78.1)
25-44	458	(73.0)	807	(77.2)	1265	(75.7)
45-59	233	(57.1)	378	(63.1)	611	(60.7)
60+	77	(52.7)	162	(59.6)	239	(57.2)
Total Yes	1000		1652		2652	

- (V2) 143. Do you ever worry about your eyesight? (YES = ANY OF THE TIME)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	137	(44.8)	202	(52.9)	339	(49.3)
25-44	337	(53.5)	510	(48.9)	847	(50.6)
45-59	261	(64.0)	353	(58.7)	614	(60.9)
60+	86	(59.3)	158	(57.9)	244	(58.4)
Total Yes	821		1223		2044	

- (V3) 144. Do you have any pain or discomfort in and around your eyes (for example, burning, itching, or aching)? (YES = ANY DISCOMFORT)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	106	(34.6)	154	(40.3)	260	(37.8)
25-44	231	(36.7)	403	(38.6)	634	(37.9)
45-59	176	(43.1)	228	(37.9)	404	(40.0)
60+	68	(46.3)	110	(40.3)	178	(42.4)
Total Yes	581		895		1476	

Vision

(V4) 145. Do you have any difficulty reading ordinary print in newspapers? (YES = ANY DIFFICULTY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	56	(18.3)	76	(20.0)	132	(19.2)
25-44	165	(26.2)	272	(26.1)	437	(26.1)
45-59	261	(64.0)	374	(62.2)	635	(62.9)
60+	83	(56.5)	157	(57.9)	240	(57.4)
Total Yes	565		879		1444	

(V5) 146. Do you have any difficulty doing work or hobbies that require you to see well up close, such as cooking, sewing, fixing things around the house, or using hand tools? (YES = ANY DIFFICULTY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	35	(11.4)	50	(13.2)	85	(12.4)
25-44	118	(18.7)	225	(21.6)	343	(20.5)
45-59	228	(55.9)	349	(58.2)	577	(57.2)
60+	84	(58.3)	155	(57.2)	239	(57.6)
Total Yes	465		779		1244	

(V6) 147. Because of your eyesight, do you have any difficulty going down steps, stairs, or curbs in dim light or at night? (YES = ANY DIFFICULTY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	22	(7.2)	39	(10.3)	61	(8.9)
25-44	68	(10.8)	138	(13.2)	206	(12.3)
45-59	129	(31.6)	180	(30.0)	309	(30.7)
60+	62	(42.5)	124	(45.8)	186	(44.6)
Total Yes	281		481		762	

Vision

(V7) 148. Because of your eyesight, do you have any difficulty noticing objects off to the side while you are walking along? (YES = ANY DIFFICULTY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	54	(17.6)	54	(14.2)	108	(15.7)
25-44	94	(14.9)	124	(11.9)	218	(13.0)
45-59	121	(29.7)	155	(25.8)	276	(27.4)
60+	65	(45.1)	103	(37.7)	168	(40.3)
Total Yes	334		436		770	

(V8b) 149. Did you give up driving mainly because of your eyesight? (YES = MAINLY EYESIGHT AND EYESIGHT AND OTHER REASONS)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	2	(8.0)	2	(6.9)	4	(7.4)
25-44	17	(13.3)	11	(10.2)	28	(11.9)
45-59	30	(24.4)	22	(23.4)	52	(24.0)
60+	10	(38.5)	7	(22.6)	17	(29.8)
Total Yes	59		42		101	

(V8.c) 150. Because of your eyesight, do you have any difficulty driving in the daytime in familiar places? (YES = ANY DIFFICULTY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	12	(5.4)	17	(6.4)	29	(6.0)
25-44	26	(6.4)	44	(5.6)	70	(5.9)
45-59	28	(12.4)	29	(7.7)	57	(9.4)
60+	13	(14.1)	11	(11.2)	24	(12.6)
Total Yes	79		101		180	

Vision

(V9) 151. Because of your eyesight, do you have any difficulty driving at night? (YES = ANY DIFFICULTY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	36	(16.3)	78	(29.7)	114	(23.6)
25-44	93	(22.8)	273	(35.0)	366	(30.8)
45-59	77	(34.2)	187	(49.3)	264	(43.7)
60+	42	(45.7)	62	(63.3)	104	(54.7)
Total Yes	248		600		848	

(V10) 152. Have you had an eye exam in the past two years in which the pupils were dilated? This would have made you temporarily sensitive to bright light. (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	135	(59.7)	198	(63.9)	333	(62.1)
25-44	328	(61.4)	668	(71.6)	996	(67.9)
45-59	272	(72.3)	427	(76.7)	699	(74.9)
60+	93	(71.5)	197	(80.4)	290	(77.3)
Total Yes	828		1490		2318	

(V12.1) 153. Has a doctor ever told you that diabetes has affected your eyes or that you had retinopathy? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	4	(1.4)	3	(0.8)	7	(1.1)
25-44	9	(1.5)	3	(0.3)	12	(0.7)
45-59	10	(2.6)	20	(3.5)	30	(3.1)
60+	13	(9.4)	11	(4.3)	24	(6.1)
Total Yes	36		37		73	

Dental Health

(O1) 154. Have you visited the dentist or a dental clinic for any reason in the last year? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	163	(58.2)	248	(70.5)	411	(65.0)
25-44	322	(54.9)	665	(66.9)	987	(62.4)
45-59	180	(46.5)	351	(63.7)	531	(56.6)
60+	48	(36.6)	93	(41.5)	141	(39.7)
Total Yes	713		1357		2070	

(O3) 156. Have any of your permanent teeth been removed because of tooth decay or gum disease? Do not include teeth lost for other reasons, such as injury or orthodontics. (YES = ANY NUMBER OF TEETH LOST)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	114	(41.0)	123	(34.7)	237	(37.5)
25-44	369	(63.0)	581	(58.3)	950	(60.0)
45-59	306	(84.1)	430	(79.0)	736	(81.1)
60+	126	(94.7)	194	(81.9)	320	(86.5)
Total Yes	915		1328		2243	

(O4) 157. Have you had your teeth "cleaned" by a dentist or a dental hygienist within the last year? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	139	(53.5)	191	(55.2)	330	(54.5)
25-44	214	(38.9)	465	(49.1)	679	(45.4)
45-59	133	(36.4)	253	(46.8)	386	(42.6)
60+	30	(25.2)	66	(29.7)	96	(28.2)
Total Yes	516		975		1491	

Hearing

(H1) 158. Do you have any trouble with your hearing (without a hearing aide)? (YES = A LITTLE TROUBLE, A LOT OF TROUBLE AND DEAF)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	56	(18.4)	42	(11.1)	98	(14.3)
25-44	168	(27.0)	199	(19.1)	367	(22.1)
45-59	211	(52.2)	190	(31.9)	401	(40.1)
60+	104	(71.7)	136	(50.0)	240	(57.6)
Total Yes	539		567		1106	

(H2) 159. Has your hearing been tested within the last 4 years? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	189	(72.7)	202	(70.6)	391	(71.6)
25-44	310	(57.3)	406	(49.5)	716	(52.6)
45-59	208	(56.7)	257	(52.1)	465	(54.1)
60+	78	(62.9)	128	(56.6)	206	(58.9)
Total Yes	785		993		1778	

(H3) 160. Are you now wearing a hearing aide? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	1	(0.3)	1	(0.3)	2	(0.3)
25-44	4	(0.6)	10	(1.0)	14	(0.8)
45-59	15	(3.7)	9	(1.5)	24	(2.4)
60+	35	(24.6)	30	(11.1)	65	(15.7)
Total Yes	55		50		105	

Behavioral Health

(F1) 161. In general, would you say your health is: (YES = EXCELLENT, VERY GOOD, GOOD)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	260	(84.1)	303	(78.7)	563	(81.1)
25-44	496	(78.0)	813	(77.4)	1309	(77.6)
45-59	288	(70.4)	419	(69.4)	707	(69.8)
60+	101	(67.3)	188	(67.1)	289	(67.2)
Total Yes	1145		1723		2868	

(F2) 162. Does your health now limit you in moderate activities, such as moving a table, pushing a vacuum cleaner, bowling, or playing golf? (YES = A LOT AND A LITTLE)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	78	(25.2)	95	(24.7)	173	(24.9)
25-44	140	(22.0)	271	(25.8)	411	(24.4)
45-59	132	(32.3)	247	(40.9)	379	(37.4)
60+	76	(50.3)	189	(67.5)	265	(61.5)
Total Yes	426		802		1228	

(F3) 163. Does your health now limit you in climbing several flights of stairs? (YES = A LOT AND A LITTLE)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	78	(25.2)	146	(37.9)	224	(32.3)
25-44	156	(24.6)	385	(36.7)	541	(32.1)
45-59	157	(38.4)	304	(50.4)	461	(45.6)
60+	94	(62.7)	197	(70.4)	291	(67.7)
Total Yes	485		1032		1517	

Behavioral Health

(F4) 164. During the PAST 4 WEEKS, have you accomplished less than you would like as a result of your health? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	107	(34.6)	148	(38.6)	255	(36.8)
25-44	191	(30.1)	378	(36.0)	569	(33.8)
45-59	136	(33.3)	293	(48.5)	429	(42.3)
60+	71	(47.7)	150	(53.8)	221	(51.6)
Total Yes	505		969		1474	

(F5) 165. During the PAST 4 WEEKS, were you limited in the kind of work or other regular daily activities you do as a result of your physical health? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	61	(19.8)	57	(14.8)	118	(17.1)
25-44	118	(18.6)	244	(23.2)	362	(21.5)
45-59	108	(26.4)	225	(37.3)	333	(32.9)
60+	66	(44.3)	135	(48.2)	201	(46.9)
Total Yes	353		661		1014	

(F6) 166. During the PAST 4 WEEKS, have you accomplished less than you would like as a result of any emotional problems, such as feeling depressed or anxious? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	61	(19.8)	134	(34.8)	195	(28.1)
25-44	119	(18.8)	312	(29.7)	431	(25.6)
45-59	95	(23.2)	180	(29.9)	275	(27.2)
60+	35	(23.3)	78	(28.1)	113	(26.4)
Total Yes	310		704		1014	

Behavioral Health

(F7) 167. During the PAST 4 WEEKS, did you do work or other regular daily activities less carefully than usual as a result of any emotional problems, such as feeling depressed or anxious? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	53	(17.2)	81	(21.0)	134	(19.3)
25-44	97	(15.3)	222	(21.2)	319	(18.9)
45-59	74	(18.1)	142	(23.5)	216	(21.3)
60+	27	(18.0)	65	(23.4)	92	(21.5)
Total Yes	251		510		761	

(F8) 168. During the PAST 4 WEEKS, did pain interfere with your normal work including both work outside the home and housework? (YES = ANY OF THE TIME)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	126	(40.8)	179	(46.5)	305	(43.9)
25-44	320	(50.3)	553	(52.6)	873	(51.7)
45-59	236	(57.7)	372	(61.6)	608	(60.0)
60+	106	(71.1)	200	(71.7)	306	(71.5)
Total Yes	788		1304		2092	

(F9) 169. How much of the time during the PAST 4 WEEKS have you felt calm and peaceful? (YES = ALL OR MOST OF THE TIME)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	189	(61.4)	191	(49.7)	380	(54.9)
25-44	385	(60.5)	467	(44.5)	852	(50.5)
45-59	233	(57.0)	304	(50.3)	537	(53.0)
60+	83	(56.1)	162	(58.1)	245	(57.4)
Total Yes	890		1124		2014	

Behavioral Health

(F10) **170. How much of the time during the PAST 4 WEEKS did you have a lot of energy? (YES = ALL OR MOST OF THE TIME)**

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	193	(62.5)	142	(37.0)	335	(48.3)
25-44	352	(55.3)	389	(37.0)	741	(44.0)
45-59	208	(50.9)	229	(37.9)	437	(43.1)
60+	57	(38.0)	106	(38.0)	163	(38.0)
Total Yes	810		866		1676	

(F11) **171. How much of the time during the PAST 4 WEEKS have you felt downhearted and blue? (YES = ANY OF THE TIME)**

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	220	(71.2)	334	(87.0)	554	(79.9)
25-44	431	(67.9)	841	(80.1)	1272	(75.5)
45-59	288	(70.4)	472	(78.1)	760	(75.0)
60+	98	(65.8)	200	(71.7)	298	(69.6)
Total Yes	1037		1847		2884	

(F12) **172. During the PAST 4 WEEKS, how much of the time has your physical health or emotional problems interfered with your social activities, like visiting friends, relatives, etc.? (YES = ANY OF THE TIME)**

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	135	(43.7)	213	(55.5)	348	(50.2)
25-44	286	(45.0)	528	(50.3)	814	(48.3)
45-59	176	(43.0)	323	(53.5)	499	(49.3)
60+	81	(54.4)	164	(58.8)	245	(57.2)
Total Yes	678		1228		1906	

Behavioral Health

(D1) 173. In the last 2 weeks, did you feel down, have a depressed mood, or feel hopeless? (YES = SEVERAL DAYS, MORE THAN HALF THE DAYS, AND ALMOST EVERYDAY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	121	(39.5)	228	(59.8)	349	(50.8)
25-44	235	(37.4)	490	(46.9)	725	(43.3)
45-59	156	(38.3)	291	(48.4)	447	(44.3)
60+	50	(34.0)	102	(37.4)	152	(36.2)
Total Yes	562		1111		1673	

(D2) 174. In the last 2 weeks, did you have difficulties enjoying activities that you used to find pleasurable? (YES = SEVERAL DAYS, MORE THAN HALF THE DAYS, AND ALMOST EVERYDAY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	96	(31.4)	139	(36.5)	235	(34.2)
25-44	177	(28.2)	363	(34.8)	540	(32.3)
45-59	147	(36.1)	245	(40.8)	392	(38.9)
60+	48	(33.1)	92	(33.7)	140	(33.5)
Total Yes	468		839		1307	

(D3) 175. In the last 2 weeks, did you have trouble sleeping? Did you find yourself having trouble falling asleep, or staying asleep? Were you sleeping too much or not enough? (YES = SEVERAL DAYS, MORE THAN HALF THE DAYS, AND ALMOST EVERYDAY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	149	(48.7)	225	(58.9)	374	(54.4)
25-44	296	(47.0)	560	(53.7)	856	(51.2)
45-59	177	(43.4)	320	(53.4)	497	(49.4)
60+	60	(40.8)	124	(45.4)	184	(43.8)
Total Yes	682		1229		1911	

Behavioral Health

(D4) 176. In the last 2 weeks, did you feel your energy had decreased, that you were more tired than you used to be? (YES = SEVERAL DAYS, MORE THAN HALF THE DAYS, AND ALMOST EVERYDAY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	106	(34.6)	178	(46.7)	284	(41.3)
25-44	220	(35.0)	535	(51.2)	755	(45.1)
45-59	161	(39.5)	320	(53.2)	481	(47.7)
60+	64	(43.5)	136	(49.8)	200	(47.6)
Total Yes	551		1169		1720	

(D5) 177. In the last 2 weeks, did you have any change in your appetite? (YES = SEVERAL DAYS, MORE THAN HALF THE DAYS, AND ALMOST EVERYDAY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	71	(23.2)	162	(42.4)	233	(33.9)
25-44	148	(23.5)	317	(30.3)	465	(27.8)
45-59	88	(21.6)	201	(33.4)	289	(28.6)
60+	21	(14.3)	64	(23.4)	85	(20.2)
Total Yes	328		744		1072	

(D6) 178. In the last 2 weeks, have you felt like a failure? Have you felt guilty about things? (YES = SEVERAL DAYS, MORE THAN HALF THE DAYS, AND ALMOST EVERYDAY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	99	(32.4)	144	(37.7)	243	(35.3)
25-44	146	(23.2)	316	(30.3)	462	(27.6)
45-59	106	(26.0)	192	(31.9)	298	(29.5)
60+	25	(17.2)	45	(16.6)	70	(16.8)
Total Yes	376		697		1073	

Behavioral Health

(D7) 179. In the last 2 weeks, did you have trouble concentrating on things? Did you find yourself jumping from one thing to another, or not able to stay focused on reading or a TV show? (YES = SEVERAL DAYS, MORE THAN HALF THE DAYS, AND ALMOST EVERYDAY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	96	(31.4)	152	(39.8)	248	(36.0)
25-44	157	(24.9)	341	(32.7)	498	(29.7)
45-59	109	(26.7)	193	(32.2)	302	(30.0)
60+	32	(21.8)	53	(19.5)	85	(20.3)
Total Yes	394		739		1133	

(D8) 180. In the last 2 weeks, did you feel that you had slowed down, that you didn't get as much done in a day? Or were you just the opposite? Did you feel nervous, restless, unable to sit still? (YES = SEVERAL DAYS, MORE THAN HALF THE DAYS, AND ALMOST EVERYDAY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	95	(31.0)	149	(39.1)	244	(35.5)
25-44	190	(30.2)	397	(38.0)	587	(35.1)
45-59	132	(32.4)	229	(38.2)	361	(35.8)
60+	50	(34.0)	82	(30.1)	132	(31.5)
Total Yes	467		857		1324	

(D9) 181. In the last 2 weeks, have you thought of hurting yourself - or that you would be better off dead? (YES = SEVERAL DAYS, MORE THAN HALF THE DAYS, AND ALMOST EVERYDAY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	30	(9.8)	43	(11.3)	73	(10.6)
25-44	32	(5.1)	60	(5.8)	92	(5.5)
45-59	33	(8.1)	41	(6.8)	74	(7.3)
60+	5	(3.4)	4	(1.5)	9	(2.1)
Total Yes	100		148		248	

Behavioral Health

182. In the last 2 weeks, have these problems been difficult for you? (at work, getting along with other people, family, and children?) (YES = SEVERAL DAYS, MORE THAN HALF THE DAYS, AND ALMOST EVERYDAY)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	97	(31.8)	159	(41.7)	256	(37.3)
25-44	177	(28.1)	380	(36.5)	557	(33.3)
45-59	121	(29.7)	214	(35.7)	335	(33.2)
60+	26	(17.8)	51	(18.8)	77	(18.5)
Total Yes	421		804		1225	

Tobacco Use

(G1) 183. Have you smoked at least 100 cigarettes in your entire life? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	242	(78.3)	242	(62.9)	484	(69.7)
25-44	487	(76.7)	615	(58.5)	1102	(65.4)
45-59	310	(75.8)	358	(59.3)	668	(65.9)
60+	99	(65.6)	124	(44.4)	223	(51.9)
Total Yes	1138		1339		2477	

(G2.1) 185. Have you ever smoked cigarettes regularly, that is at least one cigarette a day for three months or longer? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	207	(85.5)	212	(87.6)	419	(86.6)
25-44	419	(86.0)	529	(86.0)	948	(86.0)
45-59	268	(86.5)	316	(88.3)	584	(87.4)
60+	84	(84.8)	105	(84.7)	189	(84.8)
Total Yes	978		1162		2140	

(G2.3) 187. Do you smoke regularly now? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	161	(77.8)	141	(66.5)	302	(72.1)
25-44	279	(66.6)	299	(56.5)	578	(61.0)
45-59	137	(51.1)	139	(44.0)	276	(47.3)
60+	23	(27.4)	28	(26.7)	51	(27.0)
Total Yes	600		607		1207	

Tobacco Use

(G4.1) 191. During the time you smoked regularly, did you quit smoking for at least one year? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	73	(35.3)	80	(37.7)	153	(36.5)
25-44	179	(42.7)	273	(51.6)	452	(47.7)
45-59	116	(43.4)	168	(53.2)	284	(48.7)
60+	35	(42.2)	40	(38.5)	75	(40.1)
Total Yes	403		561		964	

(G5.1) 193. Have you ever used commercially manufactured chewing tobacco or snuff at least 20 times in your lifetime?(YES = Current and Past use)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	117	(37.9)	104	(27.0)	221	(31.8)
25-44	326	(51.4)	336	(32.0)	662	(39.3)
45-59	131	(32.0)	132	(21.9)	263	(26.0)
60+	43	(28.5)	56	(20.1)	99	(23.1)
Total Yes	617		628		1245	

(G6.1) 196. Have you ever used homemade chew from tobacco leaves mixed with ash such as iq'mik at least 20 times in your lifetime?(YES = Current and past use)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	77	(25.0)	89	(23.1)	166	(24.0)
25-44	154	(24.3)	230	(21.9)	384	(22.8)
45-59	59	(14.4)	102	(16.9)	161	(15.9)
60+	26	(17.2)	70	(25.1)	96	(22.3)
Total Yes	316		491		807	

Tobacco Use

199. During the past year, were you in close contact with people when they were smoking?

(G7) Including your home, work place, restaurants, bars, casinos, bingo halls, and friends' or relatives' houses. (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	185	(59.9)	270	(70.7)	455	(65.8)
25-44	369	(58.6)	732	(70.2)	1101	(65.8)
45-59	275	(67.9)	421	(70.3)	696	(69.3)
60+	115	(79.3)	223	(80.8)	338	(80.3)
Total Yes	944		1646		2590	

(E9) 200. Do people smoke cigarettes inside your home? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	188	(61.4)	174	(45.5)	326	(47.4)
25-44	310	(49.2)	295	(28.2)	1070	(63.9)
45-59	203	(49.8)	214	(35.6)	592	(58.7)
60+	49	(33.3)	76	(27.8)	295	(70.2)
Total Yes	750		759		2283	

Alcohol Use

(H1) 201. During your lifetime, have you had at least 12 drinks of any kind of alcoholic beverages? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	232	(75.1)	302	(78.6)	534	(77.1)
25-44	571	(90.1)	895	(85.2)	1466	(87.0)
45-59	366	(89.5)	498	(82.7)	864	(85.5)
60+	116	(77.3)	159	(57.2)	275	(64.3)
Total Yes	1285		1854		3139	

(H2) 202. Was your last drink of any kind of alcoholic beverage within the last year? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	208	(89.7)	267	(88.4)	475	(89.0)
25-44	460	(80.8)	659	(73.9)	1119	(76.6)
45-59	247	(67.7)	281	(56.5)	528	(61.3)
60+	48	(41.4)	62	(39.0)	110	(40.0)
Total Yes	963		1269		2232	

(H2.1) 203. Considering all types of alcoholic beverages, during the PAST 12 MONTHS did you have 5 or more drinks on an occasion? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	190	(91.8)	223	(85.1)	413	(88.1)
25-44	418	(91.1)	504	(77.1)	922	(82.8)
45-59	221	(89.1)	206	(73.0)	427	(80.6)
60+	34	(75.6)	33	(53.2)	67	(62.6)
Total Yes	863		966		1829	

Alcohol Use

(H2.2) 204. Considering all types of alcoholic beverages, during the PAST 30 DAYS did you have 5 or more drinks on an occasion? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	155	(74.5)	172	(64.7)	327	(69.0)
25-44	336	(72.7)	382	(58.0)	718	(64.0)
45-59	169	(68.1)	161	(57.1)	330	(62.3)
60+	29	(61.7)	27	(43.5)	56	(51.4)
Total Yes	689		742		1431	

(H3) 205. Have you ever tried to cut down on your drinking? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	161	(77.4)	187	(70.3)	348	(73.4)
25-44	340	(73.8)	425	(64.6)	765	(68.4)
45-59	198	(79.8)	193	(69.2)	391	(74.2)
60+	36	(80.0)	34	(55.7)	70	(66.0)
Total Yes	735		839		1574	

(H4) 206. Have people annoyed you by criticising your drinking? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	46	(22.1)	64	(24.1)	110	(23.2)
25-44	166	(36.0)	111	(16.9)	277	(24.8)
45-59	103	(41.5)	78	(28.0)	181	(34.3)
60+	12	(27.3)	11	(18.0)	23	(21.9)
Total Yes	327		264		591	

Alcohol Use

(H5) 207. Have you ever felt bad or guilty about your drinking? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	94	(45.2)	145	(54.5)	239	(50.4)
25-44	255	(55.3)	293	(44.6)	548	(49.0)
45-59	139	(56.0)	145	(52.2)	284	(54.0)
60+	25	(56.8)	23	(37.7)	48	(45.7)
Total Yes	513		606		1119	

(H6) 208. Have you ever taken a drink first thing in the morning to steady your nerves or to get rid of a hangover? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	37	(17.8)	35	(13.2)	72	(15.2)
25-44	148	(32.1)	75	(11.4)	223	(19.9)
45-59	112	(45.2)	64	(23.0)	176	(33.5)
60+	13	(29.5)	9	(14.8)	22	(21.0)
Total Yes	310		183		493	

Safety Behaviors

- (I1) 209. How often do you use a seatbelt when riding or driving in a car or truck? (YES = ALWAYS OR ALMOST ALWAYS)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	174	(58.4)	259	(69.6)	433	(64.6)
25-44	444	(71.6)	785	(76.5)	1229	(74.7)
45-59	283	(72.6)	483	(83.3)	766	(79.0)
60+	103	(75.2)	202	(76.8)	305	(76.3)
Total Yes	1004		1729		2733	

- (I2) 210. Do you usually drive the speed limit ? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	81	(40.5)	101	(40.1)	182	(40.3)
25-44	236	(53.5)	419	(54.0)	655	(53.8)
45-59	176	(62.4)	247	(62.4)	423	(62.4)
60+	66	(66.0)	79	(73.1)	145	(69.7)
Total Yes	559		846		1405	

- (I3) 211. How often do you wear a helmet when riding a bicycle, motorcycle, snowmobile, 4-wheeler, or ATV? (YES = ALWAYS OR ALMOST ALWAYS)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	38	(14.2)	40	(14.8)	78	(14.5)
25-44	91	(18.7)	148	(23.8)	239	(21.6)
45-59	57	(21.0)	74	(27.6)	131	(24.3)
60+	23	(30.3)	14	(13.5)	37	(20.6)
Total Yes	209		276		485	

Safety Behaviors

- (14) 212. In the last month, did you DRIVE a boat, car, or other vehicle after drinking more than one alcoholic drink? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	53	(17.2)	43	(11.3)	96	(13.9)
25-44	111	(17.6)	111	(10.6)	222	(13.2)
45-59	51	(12.5)	23	(3.8)	74	(7.3)
60+	12	(8.0)	8	(2.9)	20	(4.7)
Total Yes	227		185		412	

- (15) 213. In the last month, did you RIDE in a boat, car, or other vehicle after the driver drank more than one alcoholic drink? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	58	(18.9)	84	(21.9)	142	(20.6)
25-44	112	(17.7)	144	(13.8)	256	(15.3)
45-59	69	(16.9)	48	(7.9)	117	(11.5)
60+	11	(7.3)	12	(4.3)	23	(5.4)
Total Yes	250		288		538	

- (16) 214. Do you wear a float coat, life jacket, or some sort of personal floatation device or pdf when boating? (YES = ALWAYS)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	89	(32.1)	139	(46.6)	228	(39.7)
25-44	239	(43.6)	414	(56.1)	653	(50.8)
45-59	177	(53.3)	251	(62.6)	428	(58.4)
60+	71	(60.2)	96	(61.5)	167	(60.9)
Total Yes	576		900		1476	

Safety Behaviors

(V8) 215. Are you currently driving, at least once in a while? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	221	(72.2)	264	(69.3)	485	(70.6)
25-44	408	(64.9)	782	(74.8)	1190	(71.1)
45-59	225	(55.3)	380	(63.3)	605	(60.1)
60+	92	(63.4)	98	(35.9)	190	(45.5)
Total Yes	946		1524		2470	

(V8.1) 216. Have you given up driving a car? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	52	(67.5)	84	(74.3)	136	(71.6)
25-44	87	(40.1)	145	(57.3)	232	(49.4)
45-59	51	(29.1)	122	(56.2)	173	(44.1)
60+	26	(50.0)	143	(82.2)	169	(74.8)
Total Yes	216		494		710	

Occupational Exposure

(J1) 217. Did you ever work with or around asbestos at least once a month for six months or more? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	12	(5.3)	7	(2.4)	19	(3.7)
25-44	44	(8.8)	18	(2.0)	62	(4.4)
45-59	61	(17.8)	24	(4.6)	85	(9.8)
60+	13	(10.7)	11	(4.3)	24	(6.4)
Total Yes	130		60		190	

(J2) 218. Did you ever work with or around heavy metals including cadmium or mercury at least once a month for six months or more? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	21	(8.3)	6	(1.7)	27	(4.5)
25-44	29	(5.4)	10	(1.0)	39	(2.6)
45-59	20	(5.6)	6	(1.1)	26	(2.9)
60+	10	(7.6)	4	(1.5)	14	(3.6)
Total Yes	80		26		106	

(J3) 219. Did you ever work with or around lead at least once a month for six months or more? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	17	(6.6)	3	(0.9)	20	(3.4)
25-44	40	(7.4)	13	(1.4)	53	(3.5)
45-59	31	(8.9)	7	(1.3)	38	(4.3)
60+	11	(8.9)	1	(0.4)	12	(3.1)
Total Yes	99		24		123	

Occupational Exposure

(J4) 220. Did you ever work with or around mineral or mining dust at least once a month for six months or more? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	13	(4.6)	9	(2.5)	22	(3.5)
25-44	30	(5.0)	11	(1.1)	41	(2.5)
45-59	18	(4.6)	3	(0.5)	21	(2.2)
60+	7	(5.1)	0	(0.0)	7	(1.7)
Total Yes	68		23		91	

(J5) 221. Did you ever work with or around pesticides including crop or livestock insecticides, weed killers or fungicides at least once a month for six months or more? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	13	(4.5)	2	(0.6)	15	(2.3)
25-44	18	(3.0)	25	(2.5)	43	(2.7)
45-59	28	(7.2)	14	(2.5)	42	(4.4)
60+	6	(4.3)	10	(3.8)	16	(4.0)
Total Yes	65		51		116	

(J6) 222. Did you ever work with or around gasoline or other petroleum products at least once a month for six months or more? Do not include pumping your own gas. (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	97	(34.4)	21	(5.8)	118	(18.2)
25-44	237	(38.7)	74	(7.3)	311	(19.0)
45-59	157	(40.1)	26	(4.5)	183	(18.8)
60+	39	(27.7)	7	(2.5)	46	(11.1)
Total Yes	530		128		658	

Occupational Exposure

(J7) 223. Did you ever work with or around radioactive materials including x-ray radiation at least once a month for six months or more? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	9	(3.1)	21	(5.7)	30	(4.6)
25-44	28	(4.7)	39	(3.8)	67	(4.1)
45-59	20	(5.1)	24	(4.1)	44	(4.5)
60+	7	(4.9)	6	(2.2)	13	(3.1)
Total Yes	64		90		154	

(J8) 224. Did you ever do silversmithing or welding at least once a month for six months or more? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	23	(7.6)	6	(1.6)	29	(4.3)
25-44	55	(8.8)	10	(1.0)	65	(3.9)
45-59	42	(10.5)	7	(1.2)	49	(4.9)
60+	15	(10.3)	0	(0.0)	15	(3.5)
Total Yes	135		23		158	

(J9) 225. Have you ever served in the US military? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	19	(6.1)	4	(1.0)	23	(3.3)
25-44	131	(20.6)	36	(3.4)	167	(9.9)
45-59	147	(35.9)	13	(2.2)	160	(15.8)
60+	95	(62.9)	2	(0.7)	97	(22.5)
Total Yes	392		55		447	

Occupational Exposure

(J10) 226. Were you exposed to biological or other chemical agents either in training or combat used in the military including agent orange or depleted uranium? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	9	(56.3)	1	(25.0)	10	(50.0)
25-44	26	(23.4)	4	(13.3)	30	(21.3)
45-59	33	(27.3)	3	(27.3)	36	(27.3)
60+	14	(16.5)	0	(0.0)	14	(16.1)
Total Yes	82		8		90	

Household Environment

(E4) 228. Inside your home, do you have dogs, cats, other furry pets, or birds? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	95	(31.1)	130	(34.0)	225	(32.8)
25-44	179	(28.5)	410	(39.2)	589	(35.2)
45-59	115	(28.3)	248	(41.3)	363	(36.0)
60+	33	(22.6)	79	(29.2)	112	(26.9)
Total Yes	422		867		1289	

(E5) 229. Do you have a natural gas (not propane) appliance in your home (such as a cooking stove, range, heater, dryer, or oven)? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	174	(62.8)	219	(66.8)	393	(65.0)
25-44	296	(48.6)	532	(54.4)	828	(52.2)
45-59	182	(45.3)	309	(52.8)	491	(49.7)
60+	60	(42.0)	125	(46.5)	185	(44.9)
Total Yes	712		1185		1897	

(E7) 231. Do you have a flush toilet in your home? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	233	(76.4)	329	(86.4)	562	(81.9)
25-44	522	(82.9)	931	(89.2)	1453	(86.8)
45-59	337	(82.8)	530	(88.2)	867	(86.0)
60+	120	(82.2)	242	(88.6)	362	(86.4)
Total Yes	1212		2032		3244	

Household Environment

(E10) 233. Have there ever been any long-lasting wet or damp spots on any surfaces inside your home (e.g., on walls, wallpaper, floors, ceilings, or carpets)? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	59	(22.6)	57	(17.5)	116	(19.8)
25-44	145	(25.5)	255	(26.6)	400	(26.2)
45-59	86	(22.9)	149	(27.2)	235	(25.5)
60+	27	(20.0)	47	(18.6)	74	(19.1)
Total Yes	317		508		825	

(E11) 236. Has there ever been any mold or mildew on any surfaces inside your home? (do not include mildew on bathroom tiles or mold on food items)? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	50	(20.1)	73	(22.9)	123	(21.7)
25-44	154	(27.9)	318	(33.4)	472	(31.4)
45-59	88	(24.0)	176	(31.8)	264	(28.7)
60+	24	(17.8)	56	(22.7)	80	(20.9)
Total Yes	316		623		939	

(E12) 240. Have you ever noticed "damp", "musty", or "moldy" odors in any area of your home? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	45	(16.7)	63	(18.9)	108	(17.9)
25-44	137	(24.0)	250	(25.6)	387	(25.0)
45-59	83	(22.1)	153	(27.0)	236	(25.0)
60+	24	(17.9)	53	(21.4)	77	(20.2)
Total Yes	289		519		808	

Household Environment

(E13) **243. Has there ever been any major water damage to your home (for example: spots on roof/ceiling, swelling sheetrock or wood rotting as a result of broken pipes, leaks, or flooding)? (YES)**

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	47	(17.4)	56	(17.1)	103	(17.3)
25-44	152	(26.9)	209	(22.0)	361	(23.9)
45-59	107	(27.9)	170	(30.4)	277	(29.3)
60+	35	(25.2)	59	(23.6)	94	(24.2)
Total Yes	341		494		835	

Care of Others

(C1) 246. Does anybody usually rely on you as the main person responsible with their personal care needs? (For example, eating, bathing, dressing, or getting around the house)? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	97	(31.7)	176	(46.1)	273	(39.7)
25-44	268	(42.6)	623	(59.7)	891	(53.3)
45-59	113	(27.8)	239	(39.8)	352	(34.9)
60+	36	(24.5)	64	(23.4)	100	(23.8)
Total Yes	514		1102		1616	

(C2) 247. Do any children rely on you for personal care needs? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	93	(95.9)	167	(94.9)	260	(95.2)
25-44	245	(92.1)	608	(97.7)	853	(96.1)
45-59	96	(86.5)	206	(86.2)	302	(86.3)
60+	31	(86.1)	58	(90.6)	89	(89.0)
Total Yes	465		1039		1504	

(C2.1a) 248. Are any of these children between 0-1 years old? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	41	(44.1)	86	(52.4)	127	(49.4)
25-44	97	(40.8)	188	(31.3)	285	(34.0)
45-59	36	(38.7)	53	(25.9)	89	(29.9)
60+	14	(46.7)	17	(30.4)	31	(36.0)
Total Yes	188		344		532	

Care of Others

(C2.1b) 249. Are any of these children between 2-5 years old? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	65	(71.4)	121	(72.9)	186	(72.4)
25-44	146	(61.1)	368	(60.9)	514	(61.0)
45-59	45	(46.9)	92	(44.9)	137	(45.5)
60+	18	(58.1)	35	(61.4)	53	(60.2)
Total Yes	274		616		890	

(2.1c) 250. Are any of these children between 6-12 years old? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	41	(44.6)	48	(29.3)	89	(34.8)
25-44	156	(64.2)	419	(69.3)	575	(67.8)
45-59	58	(61.1)	105	(51.7)	163	(54.7)
60+	19	(61.3)	31	(54.4)	50	(56.8)
Total Yes	274		603		877	

(C2.1d) 251. Are any of these children between 13-18 years old? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	30	(33.0)	27	(16.7)	57	(22.5)
25-44	92	(38.3)	239	(39.6)	331	(39.2)
45-59	46	(48.9)	113	(55.7)	159	(53.5)
60+	20	(66.7)	32	(57.1)	52	(60.5)
Total Yes	188		411		599	

Care of Others

(C2.2a) 252. Are any of these children your own children? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	42	(45.7)	128	(77.1)	170	(65.9)
25-44	174	(71.9)	574	(94.7)	748	(88.2)
45-59	66	(68.8)	150	(73.2)	216	(71.8)
60+	21	(70.0)	30	(52.6)	51	(58.6)
Total Yes	303		882		1185	

(C2.2b) 253. Are any of these children your grandchildren? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	2	(2.2)	0	(0.0)	2	(0.8)
25-44	19	(8.0)	47	(7.8)	66	(7.8)
45-59	46	(47.9)	118	(57.8)	164	(54.7)
60+	26	(86.7)	49	(86.0)	75	(86.2)
Total Yes	93		214		307	

(C2.2c) 254. Are any of these children some other relative or not related? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	39	(41.9)	45	(27.6)	84	(32.8)
25-44	91	(38.7)	107	(17.8)	198	(23.7)
45-59	32	(34.0)	58	(28.7)	90	(30.4)
60+	10	(33.3)	10	(18.2)	20	(23.5)
Total Yes	172		220		392	

Care of Others

(C2.3) 255. Are any of these children mentally or physically disabled? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	6	(6.5)	7	(4.2)	13	(5.0)
25-44	14	(5.7)	37	(6.1)	51	(6.0)
45-59	10	(10.4)	26	(12.6)	36	(11.9)
60+	3	(10.0)	4	(7.0)	7	(8.0)
Total Yes	33		74		107	

(C3) 256. Do any adults rely on you for PERSONAL CARE needs? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	46	(47.4)	63	(36.6)	109	(40.5)
25-44	132	(50.0)	195	(31.5)	327	(37.0)
45-59	58	(51.3)	117	(49.4)	175	(50.0)
60+	26	(72.2)	33	(52.4)	59	(59.6)
Total Yes	262		408		670	

(C3.1a) 257. Do any of these adults have MENTAL DIFFICULTIES? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	6	(13.0)	3	(4.8)	9	(8.3)
25-44	18	(13.6)	25	(12.8)	43	(13.1)
45-59	11	(19.0)	24	(20.5)	35	(20.0)
60+	6	(23.1)	6	(18.2)	12	(20.3)
Total Yes	41		58		99	

Care of Others

(C3.1b) 258. Do any of these adults have PHYSICAL DIFFICULTIES? (YES)

Age Group	Men	Women	Both
	n (%)	n (%)	n (%)
18-24	17 (37.0)	18 (28.6)	35 (32.1)
25-44	51 (38.6)	55 (28.2)	106 (32.4)
45-59	33 (56.9)	64 (54.7)	97 (55.4)
60+	7 (26.9)	13 (39.4)	20 (33.9)
Total Yes	108	150	258

Cultural Factors

(M1) 259. What language do you usually speak at home, your own Alaska Native or American Indian language, English, both? (YES = ALASKA NATIVE OR BOTH)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	88	(28.6)	82	(21.4)	170	(24.6)
25-44	223	(35.2)	273	(26.1)	496	(29.5)
45-59	153	(37.6)	216	(35.8)	369	(36.5)
60+	84	(55.6)	146	(52.7)	230	(53.7)
Total Yes	548		717		1265	

(M2) 260. How much do you identify with your own tribal tradition? (YES = A LOT)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	70	(22.7)	81	(21.0)	151	(21.8)
25-44	196	(30.8)	291	(27.7)	487	(28.9)
45-59	187	(45.7)	261	(43.2)	448	(44.2)
60+	76	(51.0)	139	(49.6)	215	(50.1)
Total Yes	529		772		1301	

(M3) 261. How much do you identify yourself with non-Native culture? (YES = A lot)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	76	(24.8)	111	(28.9)	187	(27.1)
25-44	160	(25.2)	287	(27.5)	447	(26.6)
45-59	95	(23.2)	194	(32.1)	289	(28.5)
60+	39	(26.0)	70	(25.1)	109	(25.4)
Total Yes	370		662		1032	

Cultural Factors

(M4) 262. Do you ever attend Native dances, powwows, potlatches, chicken scratch dances, sweats, or other such traditional events? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	212	(69.1)	309	(80.5)	521	(75.4)
25-44	455	(71.5)	806	(76.8)	1261	(74.8)
45-59	312	(76.3)	487	(80.6)	799	(78.9)
60+	105	(70.0)	211	(75.4)	316	(73.5)
Total Yes	1084		1813		2897	

(M5) 263. Do you ever participate in Native dances, powwows, potlatches, chicken scratch dances, sweats, or other such traditional events as a dancer, drum member, organizer, or other active participant? (YES)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	121	(39.2)	197	(51.2)	318	(45.8)
25-44	264	(41.5)	504	(48.0)	768	(45.6)
45-59	192	(47.1)	318	(52.6)	510	(50.4)
60+	65	(43.3)	128	(45.7)	193	(44.9)
Total Yes	642		1147		1789	

(TM5) 264. How much of your food do you get from subsistence? (YES = All or almost all)

Age Group	Men		Women		Both	
	n	(%)	n	(%)	n	(%)
18-24	78	(25.7)	62	(16.4)	140	(20.5)
25-44	147	(23.3)	184	(17.6)	331	(19.8)
45-59	98	(24.1)	133	(22.1)	231	(22.9)
60+	51	(34.7)	87	(32.1)	138	(33.0)
Total Yes	374		466		840	

Alaska EARTH Study Manuscripts
Updated 11/18/08

Published Alaska EARTH manuscripts:

- 1. Slattery ML, Schumacher MC, Lanier AP, Henderson J, Edwards S, Edwards R, Murtaugh M, Sandidge J, Day GE, Kaufman D, Tom-Orme L. A prospective cohort of American Indian and Alaska Native People: Study design, methods, and implementation. Am J Epidemiol. 2007;166:606-15.**

Abstract:

In 2001, the National Cancer Institute funded three centers to test the feasibility of establishing a cohort of American Indian and Alaska Native people. Participating tribal organizations named the study EARTH (Education and Research Towards Health). This paper describes the study methods. A computerized data collection and tracking system was developed using audio computer-assisted survey methodology with touch screens. Data were collected on diet, physical activity, lifestyle and cultural practices, medical and reproductive history, and family history of heart disease, diabetes, and cancer. In addition, a small panel of medical measurements was obtained, including height, weight, waist and hip circumferences, blood pressure, and a lipid panel plus glucose. At the completion of the enrollment visit, data were used to provide immediate health feedback to study participants. During the initial funding period, the authors anticipate enrolling 16,000 American Indian and Alaska Native participants. The age distribution of the study population was similar to that reported in the 2000 US Census for the relevant populations. A component critical to the success of the EARTH Study has been the partnerships with tribal members. The study has focused on involvement of American Indian and Alaska Native communities in development and implementation and on provision of feedback to participants and communities.

- 2. Slattery ML, Murtaugh M, Schumacher MC, Johnson J, Edwards S, Edwards R, Benson J, Tom-Orme L, Lanier A. Development, implementation, and evaluation of a computerized self-administered diet history questionnaire for use in studies of American Indian and Alaska Native people. J Am Diet Assoc 2008;108:101-9.**

Abstract:

Collection of dietary intake in epidemiologic studies involves using methods that are comprehensive yet appropriate for the population being studied. Here we describe a diet history questionnaire (DHQ) that was developed using an audio self-administered computer-assisted interview technique. The DHQ was developed for use in a cohort of American

Indians and Alaskan Natives with tribal input and area-specific modules to incorporate local food availability. The DHQ includes 54 main food group questions, specific food items within the main food group, and food preparation and general eating practice questions. The questionnaire was programmed to be self-administered using a computer with a touch screen. The average time for the first 6,604 participants to complete the questionnaire was 36 minutes. Almost 100% of participants had complete DHQ data and the average number of food items selected was 70. The methods developed for collection of dietary data appear to be appropriate for the targeted population and may have usefulness for other populations where collecting dietary data in a self-administered format is desirable.

3. **Schumacher MC, Slattery ML, Lanier AP, Ma K-N, Edwards S, Ferucci ED, Tom-Orme L. Prevalence and Predictors of Cancer Screening Among American Indian and Alaska Native People: The EARTH Study. Cancer Causes Control Cancer Causes Control. 2008 Sep;19:725-37. Epub 2008 Feb 29.**

Abstract:

Purpose: The purpose of this study was to examine the prevalence rates for cervical, breast, and colorectal cancer screening among American Indian and Alaska Native people living in Alaska and in the Southwest US, and to investigate predictive factors associated with receiving each of the cancer screening tests. **Methods:** We used the Education and Research Towards Health (EARTH) Study to measure self-reported cancer screening prevalence rates among 11,358 study participants enrolled in 2004-2007. We used prevalence odds ratios to examine demographic, lifestyle and medical factors associated with receiving age- and sex-appropriate cancer screening tests. **Results:** The prevalence rates of all the screening tests were higher in Alaska than in the Southwest. Pap test in the past 3 years was reported by 75.1% of women in Alaska and 64.6% of women in the Southwest. Mammography in the past 2 years was reported by 64.6% of women aged 40 years and older in Alaska and 44.0% of those in the Southwest. Colonoscopy or sigmoidoscopy in the past 5 years was reported by 41.1% of study participants aged 50 years and older in Alaska and by 11.7% of those in the Southwest US. Multivariate analysis found that location (Alaska versus the Southwest), higher educational status, income and the presence of one or more chronic medical condition predicted each of the three screening tests. Additional predictors of Pap test were age (women aged 25-39 years more likely to be screened than older or younger women), marital status (ever married more likely to be screened), and language spoken at home (speakers of American Indian Alaska Native language only less likely to be screened). Additional predictors of mammography were age (women aged 50 years and older were more likely to be screened than those aged 40-49 years), positive family history of breast cancer, use of smokeless tobacco

(never users more likely to be screened), and urban/rural residency (urban residents more likely to be screened). Additional predictors of colonoscopy/sigmoidoscopy were age (men and women aged 60 years and older slightly more likely to be screened than those aged 50-59 years), family history of any cancer, family history of colorectal cancer, former smoking, language spoken at home (speakers of American Indian Alaska Native language less likely to be screened), and urban/rural residence (urban residents more likely to be screened). **Conclusion:** Programs to improve screening among American Indian and Alaska Native people should include efforts to reach individuals of lower socioeconomic status and who do not have regular contact with the medical care system. Special attention should be made to identify and provide needed services to those who live in rural areas, and to those living in the Southwest US.

4. **Ferucci ED, Schumacher MC, Lanier AP, Murtaugh MA, Edwards S, Helzer LJ, Lillian TO, Slattery ML. Arthritis Prevalence and Associations in American Indian and Alaska Native People. Arthritis Care and Research, 2008;59:1128-36.**

Abstract:

Objective: Increased prevalence of arthritis has been reported in American Indian and Alaska Native (AI/AN) populations, but few studies have investigated associations with arthritis in these populations. We describe baseline data on arthritis from the Education and Research Towards Health (EARTH) study. **Methods:** Data on self-reported doctor-diagnosed arthritis from the baseline visit of 9968 AI/AN adults from Alaska and the Southwest US are included. The prevalence of arthritis and univariate and multivariate associations between arthritis and demographic characteristics, health-related factors, and treatment are described. **Results:** The prevalence of self-reported arthritis increased with age. The age-sex-adjusted prevalence was high in Alaska (26.1%) and low in the Southwest US (16.5%) as compared to 21.5% in the US population. In both centers, arthritis was associated with age, lack of employment, chronic medical conditions, and poorer self-reported overall health. Arthritis was associated with female sex in Alaska only, while education, marital status, and urban residency were associated with arthritis in the Southwest US. In both centers, self-reported physical health measured by the short form-12 (SF-12) was lower in people with arthritis, while mental health was not associated with arthritis. More frequent use of anti-inflammatory medications was reported with arthritis in both centers, while increased use of traditional medicine and healers were associated with arthritis only in Alaska. **Conclusion:** Compared to US rates, the prevalence of self-reported arthritis is higher among Alaska Native people and lower in a Southwest American Indian population. Some factors associated with arthritis differ between the two populations.

5. Redwood D, Ferucci E, Lanier A, Schumacher MC, Johnson J, Helzer L, Tom-Orme L, Murtaugh M, Slattery M. Traditional food and physical activity patterns and associations with cultural factors in a diverse Alaska Native population. *Int J Circumpolar Health* 2008; 67(4): 335-348.

Abstract:

Objectives: This study assessed self-reported traditional food use and physical activity among 3,830 Alaska Native and American Indian (AN/AI) people enrolled in the *Education and Research Towards Health (EARTH)* Study in three regions of Alaska. **Study Design:** A cross-sectional analysis of a prospective cohort study. **Methods:** Participants (2323 women and 1507 men) completed a computer-assisted self-administered questionnaire that included information on diet, physical activity, lifestyle, and cultural factors. **Results:** Over 92% of participants reported eating at least one traditional food in the past year. The top three traditional foods reported were fish, moose, and *agutuk* (Eskimo ice cream). The percentage of people who consumed traditional foods varied by region and age but not by sex. Almost 70% of participants engaged in at least one traditional harvesting physical activity. Picking berries or greens, cutting/smoking fish or meat, and fishing were the most common activities. Participation in traditional physical activity was highest in southwest Alaska and was higher among men than women, but did not differ by age. Both traditional food and physical activity were associated with greater tribal self-identification, speaking a Native language at home, using traditional remedies, and participating in or attending traditional events. **Conclusion:** The EARTH Study found relationships between traditional food use, traditional physical activities, and traditional cultural activities and behaviors. Consumption of a variety of traditional foods and participation in traditional physical activities remain an important part of the contemporary Alaska Native lifestyle. Efforts to promote and sustain these foods and activities in AN/AI populations may lead to improved health outcomes.

Accepted for publication:

6. Redwood D, Schumacher MC, Lanier A, Ferucci E, Asay E, Helzer L, Tom-Orme L, Edwards S, Murtaugh M, Slattery ML. Physical activity patterns of American Indian and Alaska Native people living in Alaska and the Southwest United States. *Am J Health Promotion*, in press.

Abstract:

Purpose: Assessment of self-reported physical activity (PA) and effects on health measures.

Design: Cross-sectional analysis of baseline data from a cohort study.

Setting: Education and Research Towards Health (EARTH) Study participants from Alaska and the Southwest US enrolled from 2004-2007.
Subjects: 10,372 American Indian and Alaska Native people (AI/AN) aged ≥ 18 years.

Measures: Participants completed a computer-assisted self-administered questionnaire and had anthropometric and health measurements taken.

Analysis: ANOVA, chi-square tests, and multiple linear regressions were used.

Results: Almost 23% of participants reported less than 30 minutes per week of moderate or vigorous activities. Half (49%) reported no vigorous activities. Characteristics associated with more time spent performing vigorous activity were: male gender; age less than 40; higher income and education levels; and living in a rural area. Almost 70% of Alaska participants and 36% of Southwest participants engaged in wild food harvesting activities. Participants with higher levels of activity had significantly better clinical characteristics (HDL cholesterol, triglycerides, body mass index, and waist circumference).

Conclusion: AI/AN people engage in many different physical activities, including traditional harvesting activities. Women had lower levels of PA than men, and participation in vigorous PA was associated with better clinical characteristics. These data can be used to guide health promotion efforts in AI/AN populations.

7. **Schumacher MC, Ferucci ED, Lanier AP, Slattery ML, Schraer CD, Raymer TW, Murtaugh MA, Tom-Orme L. Metabolic Syndrome: Prevalence among American Indian and Alaska Native People Living in the Southwest United States and in Alaska. Metabolic Syndrome and Related Disorders, in press.**

Abstract:

Introduction: Metabolic syndrome, a cluster of cardiovascular risk factors, occurs commonly in the United States. However, few studies have reported prevalence rates among American Indian and Alaska Native people. Reports have been limited to those aged 45-74 years of age, or to First Nations and Inuit populations in Canada. **Methods:** We used the Education and Research towards Health (EARTH) Study to measure the prevalence rates of metabolic syndrome among four American Indian and Alaska Native groups: one group from the Southwestern United States (Navajo Nation), and three groups within Alaska. Metabolic syndrome was defined according to National Cholesterol Education Program (NCEP) definition as the presence of three of the following five criteria: waist circumference > 102 cm (40.2 inches) in men and > 88 cm (34.6 inches) in women; triglycerides ≥ 150 mg/dl (1.69 mmol/L); high density lipoprotein (HDL) cholesterol < 40 mg/dl (1.04 mmol/L) in men and < 50 mg/dl (1.29 mmol/L) in women; blood pressure $\geq 130/85$ mm Hg (either systolic or diastolic blood pressure elevated) or

self-reported physician diagnosed hypertension; fasting glucose ≥ 110 mg/dl (6.1 mmol/L) or self-reported physician diagnosed diabetes. Prevalence rates were age-adjusted to the US 2000 population and compared to rates for US Whites (NHANES 1988-1994). **Results:** A total of 2864 men and 5168 women age 20 years and over were included in the analyses. Among men and women from the Southwest US, metabolic syndrome was found among 43.2% of men and 47.3% of women. Among Alaska Native people overall, metabolic syndrome was found among 26.5% of men and 31.2% of women. In Alaska, the prevalence rate varied by region, ranging among men from 18.9% (Western Alaska) to 35.1% (Southeast), and among women from 22.0% (Western Alaska) to 38.4% (Southeast). Compared to US Whites, American Indian/Alaska Native men and women from all regions except Western Alaska, were more likely to have metabolic syndrome; men in Western Alaska were less likely to have metabolic syndrome than US Whites, and the prevalence among women in Western Alaska was similar to that of US Whites. **Discussion:** The prevalence rate of metabolic syndrome varied widely among the study population groups. Differences paralleled differences in the prevalence rates of diabetes. Lifestyle and genetic differences may underlie the findings.

- 8. Slattery ML, Ferucci ED, Murtaugh MA, Edwards S, Ma K, Etzel RA, Tom-Orme L, Lanier AP. Associations between body mass index, waist circumference, and health indicators in American Indian and Alaska Native adults. Am J Health Promotion, in press.**

Abstract:

Background. Obesity may play a major role in health disparities that exist between American Indian and Alaska Native (AIAN) populations and non-Hispanic white populations. In this study we report the prevalence of obesity and high waist circumference in a cohort of AIAN people.

Methods. This study reports data from 11,293 AIAN people from Alaska and the Navajo Nation. Height, weight, and waist and hip circumference measurements were obtained as part of the baseline study visit. We evaluated factors associated with body mass index (BMI) and waist circumference using chi-squared and prevalence ratio (PR) statistics.

Results. We observed that 32.4% of the population was overweight (BMI 25-29.9), 47.1% was obese (BMI 30 or greater), and 21.4% was very obese (BMI of 35 or greater). A large waist circumference (>102 cm for men and >88 cm for women) was observed in 41.7% of men and 78.3% of women. People who were obese were more likely to perceive their health as fair or poor rather than excellent or very good (PR 1.91 95% CI 1.71, 2.14 comparing very obese to BMI <25). Participants less than 30 years of age were three times more likely to report their perceived health as being fair or poor when their BMI was ≥ 35 compared to those whose BMI was <25 (PR 3.01; 95% CI 2.39,3.81). Having a larger BMI was

associated with having two or more medical conditions, fewer hours of vigorous activity, and more hours of TV watching. **Conclusions.** AIAN people in this study have high levels of obesity and central obesity which can contribute to health disparities. It is important to identify causes of obesity and increase efforts to reduce obesity to improve the health of AIAN people.

9. **Redwood DG, Hagan KD, Perkins RD, Stafford HB, Helzer LJ, Lanier AP. Safety behaviors among Alaska Native and American Indian people living in Alaska. Injury Prevention, in press.**

Abstract:

Objective: This study examined self-reported safety behaviors among 3,828 Alaska Native and American Indian people enrolled in the Alaska *Education and*

Research Towards Health (EARTH) Study from 2004-2006. **Design:** This study was a cross-sectional analysis of baseline data from a cohort study. A non-random sample of participants (2322 women and 1506 men) aged ≥ 18 years from three regions of Alaska completed questions on safety behaviors as part of a comprehensive health and lifestyle computer-assisted self-administered questionnaire. **Results:** The majority of participants reported never driving after drinking (94.1%) or riding with a driver who had been drinking (91.3%). Fewer (74%) participants reported using a seatbelt always or almost always when riding in a vehicle. Only half (55%) always drove the speed limit or used a personal floatation device (PFD) when boating (51.5%). Even fewer (20.5%) reported using a helmet when riding on off-road vehicles, including 4-wheelers and snowmobiles. Factors identified among those least likely to use safety devices and practice good safety behaviors are: younger age, lower household income and education, non-married, speaking only English at home, and a self reported health status of poor to fair ($p < 0.05$).

Conclusions: Recommendations for future injury prevention efforts in this population are to increase use of PFDs while boating and address the underutilization of helmets with off-road vehicles. Limited prevention resources should be used to target those who engage in risky behaviors to maximize program impact.

Submitted to journals, under review:

10. **Slattery ML, Edwards S, Lanier A, Murtaugh M, Schumacher MC, Ma K, Ferucci E, Tom-Orme L, Etzel RA. Family history and associated health behaviors in Alaska Native and American Indian people. J Health Care Poor Underserved, under review.**

Abstract:

Family health history represents shared lifestyle, environment, and innate susceptibility to developing the disease. In this study we examine the prevalence of a family history of cancer, heart attack, stroke, and diabetes among American Indian and Alaska Native people participating in the EARTH Study. Among the 10,374 study participants examined, 17.7% reported not knowing their family history and another 23.5% preferred not to answer the family history component of the questionnaire. Of study participants who reported their family history, 8.0% reported family history of colorectal cancer, 7.9% a family history of breast cancer, 5.1% a family history of ovarian cancer, 5% of prostate cancer, 25.8% a family history of heart attack, 22.1% a family history of stroke, and 46.7% a family history of diabetes. For all conditions, those with a family history were more likely to perceive their own health as being fair or poor and to have lower levels of physical functioning than those without a family history of these conditions. Additionally, those with a family history of cancer were more likely to report smoking cigarettes and consuming alcohol and those with a family history of heart attack and diabetes were more likely to be overweight, report lower levels of vigorous physical activity, and have higher serum cholesterol levels. These data suggest that individuals with a family history of several chronic diseases have health and lifestyle behaviors that increase their risk for these diseases. Knowledge of family history can be instrumental in identifying individuals at risk for chronic diseases who can benefit most from targeted intervention and prevention programs.

11. Redwood D, Leston J, Asay E, Ferucci E, Etzel R, Lanier AP. Strategies for successful retention of Alaska Native and American Indian study participants. J Prim Prevention, under review.

Abstract:

This paper reports the strategies used to track and follow 3,828 Alaska Native and American Indian study participants in the city of Anchorage and more rural areas of Alaska and provides characteristics of respondents and non-respondents. Over 88% were successfully followed-up, with 49% of respondents completed in three or fewer attempts. Follow-up completion rates were significantly higher for women, those living in a rural area, over age 55, married, employed, higher household income, and at current residence for more than five years. Follow-up of large numbers of Alaska Native and American Indian people living in geographically diverse areas is feasible, although challenging. Successful strategies to avoid attrition include: using telephones as the primary method of contact; using a computerized contact relationship management (CRM) system to track efforts and manage data; obtaining contact information from participant contact networks, medical records, and community networks; using local village interviewers to contact participants without telephone

service; and mailing paper questionnaires to participants who are incarcerated or use social services.

12. Haymes SA, Leston JD, Ferucci ED, Schumacher MC, Etzel RA, Lanier AP. Visual Impairment and Eye Care Among Alaska Native People. *Ophthalmic Epidemiology*, under review.

Abstract:

Purpose: To estimate the prevalence of visual impairment, eye disease and eye care in the Alaska Native (AN) population, by demographic and socioeconomic factors. **Methods:** Population-based cross-sectional study of 3793 Alaska Native (AN) adults aged 18-94 years enrolled in the *Education and Research Towards Health* (EARTH) Study from March 2004-March 2006. Data on self-reported visual impairment, cataract, glaucoma, diabetic eye disease and previous dilated eye examinations were collected using audio computer-assisted self-administered questionnaires. **Results:** Prevalence of self-reported visual impairment was 8.7% (95% CI: 7.9-9.7), cataract 5.9% (95% CI: 5.2-6.7), glaucoma 2.5% (95% CI: 2.0-3.0) and diabetic eye disease 1.3% (95% CI: 0.9-1.7). Prevalence of visual impairment and each eye disease increased with age ($P < 0.001$). A greater proportion of men reported visual impairment compared to women (9.9% [95% CI: 8.5-11.5] and 7.9% [95% CI: 6.9-9.1] of men and women, respectively; $P = 0.02$ adjusted for age). Also, prevalence of visual impairment was greater among those with less education ($P < 0.001$ adjusted for age and sex). Overall, 70.0% (95% CI: 68.5-71.6) of participants reported a dilated eye examination within the previous two years. However, of those with diabetes, only 67.7% (95% CI: 60.8-74.1) reported a dilated eye examination within the recommended previous one year. Frequency of previous dilated eye examination was associated with increasing age, female sex, and decreasing education ($P < 0.001$). **Conclusions:** Self-reported visual impairment, cataract, glaucoma and diabetic eye disease are prevalent in the AN population. These data may be useful in healthcare planning and education programs.

13. Redwood D, Toffolon-Weiss M, Klejka J, Sylvester I, Lundgren K, Lanier AP. Community-based participatory research in a large cohort study of chronic diseases among Alaska Native adults. *Health Promotion Practice*, under review.

Abstract

In 2001, the National Cancer Institute funded a project to develop methods to recruit Alaska Native and American Indian (AN/AI) adults for a prospective cohort study of chronic disease risk and protective factors. A Community-Based Participatory Research (CBPR) framework was used to design and implement the study. Elements of CBPR used included collaboration between researchers and tribes at all stages of the project,

capacity building through training AN/AI staff in research methods, and knowledge dissemination through presentations, newsletters, and individual and community health feedback based on results of the study. Between March 2004 and August 2006, 3,828 AN/AI adults from 26 Alaskan communities were enrolled. Retention in the study is high, with over 88% of participants successfully completing a one year follow-up questionnaire. CBPR methods have facilitated effective development of study methods, recruitment and retention. Efforts are on-going to continue work with this unique AN/AI research participant community.

In tribal review:

14. Murtaugh MA, Greene T, Edwards S, Ma K, Redwood D, Lanier AP, Henderson J, Tom-Orme L, Slattery ML. Validation of a physical activity questionnaire for American Indians and Alaska Natives.

Abstract:

Physical activity, particularly moderate and vigorous activity, is an important component in the etiology of chronic disease. Its measurement in epidemiologic studies is most often through questionnaires. To date, no physical activity questionnaire has been validated for use in both urban and rural American Indian and Alaska Native (AIAN) populations where activities and lifestyles may differ from other ethnic groups in the US. Therefore, we assessed reliability and content and criterion validity of moderate and vigorous activity assessed using the EARTH physical activity questionnaire (PAQ) in AIAN. Reliability, assessed after a one month interval, was good (Spearman $\rho > 0.66$). Content validity was acceptable with less than 10% of hours of moderate and vigorous activity being from added activities for 82% and 85% of participants, respectively. Criterion (relative) validity was assessed against prospective 2-day physical activity logs collected over a year and was similar in strength to other physical activity questionnaires used in other studies of different ethnicities. Estimates of activity from 2-day logs were weighted averages over 2 post-hoc seasons based on length of daylight to account for greater missing data in the more active summer months. Validity was higher for vigorous (adjusted Pearson $R = 0.64$) and the sum of moderate and vigorous activities (adjusted Pearson $r = 0.54$) than for moderate activity (adjusted Pearson $r = 0.36$). The estimates of vigorous and the sum of moderate and vigorous activity from the EARTH PAQ are reliable and valid for use in epidemiologic studies of AIAN populations.

15. Murtaugh MA, Ma K-N, Redwood D, Greene T, Edwards S, Johnson J, Tom-Orme L, Lanier AP, Henderson J, Slattery ML. Validation of a Dietary History Questionnaire for American Indian and Alaska Native People.

Abstract:

Dietary intake of American Indian and Alaska Native people has been estimated using questionnaires that may not have been validated in this population. We assessed reliability (one-month test-retest reliability of the dietary history questionnaire) and relative validity (compared to the weighted average of up to 12 monthly 24-hour recalls) of a self-administered computer-assisted dietary history questionnaire (DHQ) for use in a prospective study of diet, lifestyle, and chronic disease in American Indians in the Dakotas and Southwestern US and Alaska Native people. Reliability (Pearson correlation) of the DHQ ranged from $r=0.43$ for vitamin A density to $r=0.90$ for energy intake. The association of nutrient and food estimates assessed by 24-hour recalls and the DHQ completed at the end of the year reflected no bias towards recent intake. Macronutrients expressed as density (nutrients per 1000 calories) did appear to be valid ($r=0.50-0.71$) as did several micronutrients (range $r=0.22$ to 0.59), fiber ($r=0.51$), and servings of red meat ($r=0.67$). However, the DHQ overestimated intake and gross amounts of nutrients were not strongly associated with the weighted average of the 24-hour recalls. The DHQ developed for estimation of dietary intake in American Indians and Native people in Alaska is reliable. Estimates of nutrient density appeared to have acceptable relative validity for use in epidemiologic studies.

Drafts:

16. Prevalence of measured clinical risk factors (Johnston)
17. Elder health (Haymes)
18. SF 12 (Edwards)
19. Depression (Alaska) (Dillard)
20. Tobacco (Alaska) (Smith)
21. Asthma (Alaska) (Helzer)

Planned manuscripts:

22. Women's health (reproductive health) (Johnston/Haymes)
23. Fractures (Murtaugh)
24. Tobacco, comparison of Alaska and Navajo (Redwood/Lanier)
25. Environmental/occupational health (Redwood)