





Your future health ...
Su salud de mañana ...

in your hands today en sus manos hoy





I. STUDY HIGHLIGHTS

- The three risk factors that contribute up to a 60% of possibility of developing cancer are:
 - ✓ Smoking
 - ✓ Poor diet, and
 - ✓ Physical inactivity
- The Mexican American Cohort Study has made great strides in understanding not only this three factors but additional ones in our community





1. ACCULTURATION

- It's the process of learning about a new culture and incorporating some of its aspects (language, food, etc.) into the background culture
- Our study has demonstrated that among Mexican-born participants, a higher level of acculturation
 - ✓ not only predicted history of, but also resulted in a higher prevalence of smoking.
 - ✓ Was directly associated with risk of obesity in US-born Mexican Americans
- Our study actively collaborates with other research groups developing interventions aimed at providing health education and promoting healthy behaviors taking into account the cultural beliefs of our community





2. SMOKING

- Smoking continues to be the number one cause of preventable deaths in the US. One out of three
 cancer deaths in the United States is caused by smoking. Longer duration and greater intensity of
 smoking increase the risk of lung cancer significantly.
- Our study has shown that smoking-susceptible Mexican-American adolescents were more likely to :
 - ✓ hold more positive expectations about smoking
 - ✓ have a parent, brother, or friend who smoked
 - ✓ believe their peers approve of their smoking
 - ✓ report more temptations to try smoking
 - ✓ report lower subjective social status at school
 - √ have had a detention during the school year
- Our study actively collaborates with other research groups developing interventions aimed at providing health education and promoting healthy behaviors taking into account the cultural beliefs of our community





Baseline questionnaire sections

- I. DEMOGRAPHICS
- II. PAST MEDICAL HISTORY
- III. Access to Health Care and Screening Practices
- IV. REPRODUCTIVE HISTORY WOMEN ONLY
- V. ACCULTURATION
- VI. PHYSICAL ACTIVITIES
- VII. WORK HISTORY EXPOSURES
- VIII. LIFESTYLE HABITS
- IX. COMMUNITY INFORMATION RESIDENCE
- X. MEDIA USAGE
- XI. CONTACTS
- XII. FAMILY HISTORY





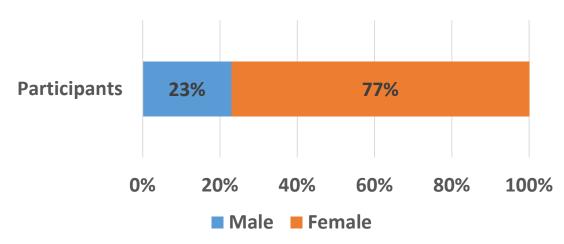
I. DEMOGRAPHICS

This page covers basic demographics for the participants of the cohort study. The percentage born in Mexico by gender. As well as education level broken down by gender.

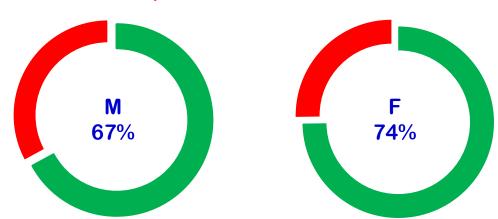
Total households: 18,962

Total Participants: 26,672

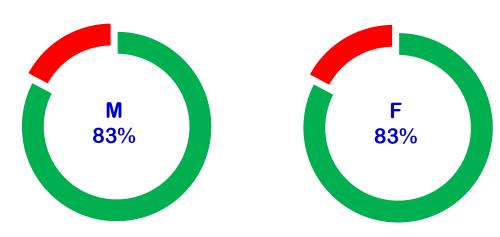
FU rate: ~ 78%



Participants Born in Mexico



Education Level: HS

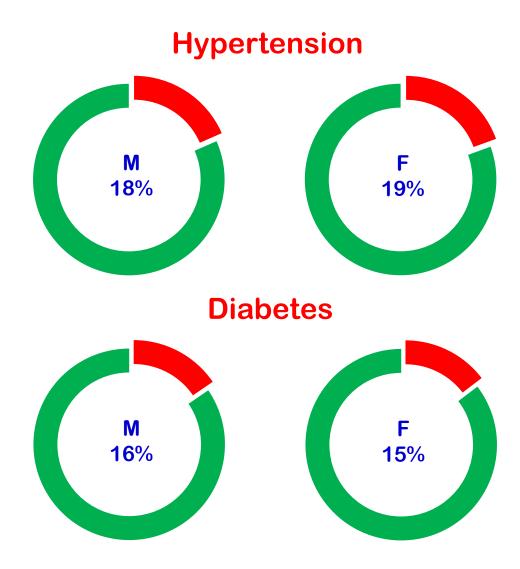






II. PAST MEDICAL HISTORY

- In the past medical history, we collect information from participants detailing any medically diagnosed conditions
- Hypertension and Diabetes are two that are high in the Mexican American community.
- The following slide has cancer cases reported to the cohort. Prevalence is the number of cases while incidence is the number of new cases.







TYPE OF PRIMARY CANCER CONFIRMED	PREVALENT (38.7%)			INCIDENT (61.3%)			TOTAL		
FROM TCR AND MR	Female	Male	TOTAL	Female	Male	TOTAL	Female	Male	TOTAL
ALL CANCERS	425	134	559	651	234	885	1,076	368	1,444
Breast	176	0	176	214	0	214	390	0	390
Digestive System	35	28	63	123	62	185	158	90	248
Female Reproductive System	89		89	89		89	178		178
Lymphatic and hematopoietic tissue	35	15	50	42	29	71	77	44	121
Male Reproductive System		45	45		60	60		105	105
Endocrine	32	1	33	45	6	51	77	7	84
Urinary System	13	16	29	32	18	50	45	34	79
Lungs	8	5	13	34	26	60	42	31	73
Other & unspecified sites	37	24	61	72	33	105	109	57	166





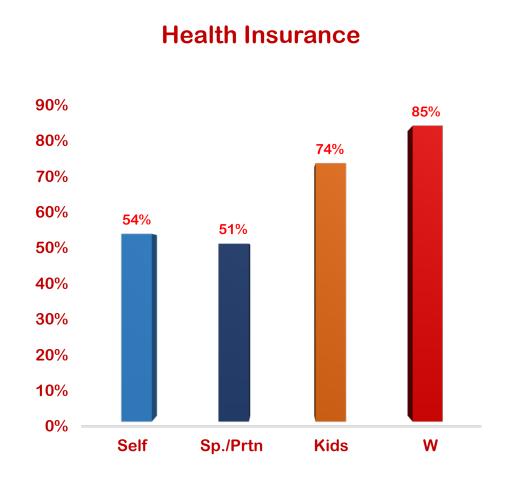
III. Access to Health Care and Screenings

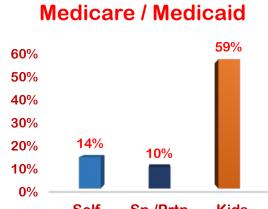
- The following slides show data on participant access to health care. If they have access, what kind of insurance provider do they have.
- Also a slide on how often the participants frequent their health care provider. As well as how the participant would rate their own health on a scale from 1-5, 1 being poor and 5 being excellent.
- The screening slide has statistical information about how many of our participants have not colonoscopy, mammograms, or PAP tests performed in the past.

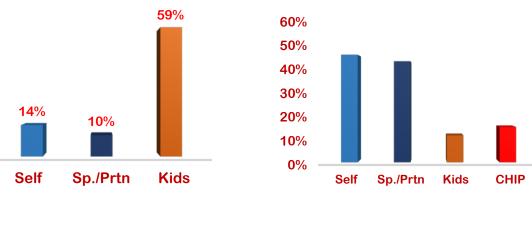


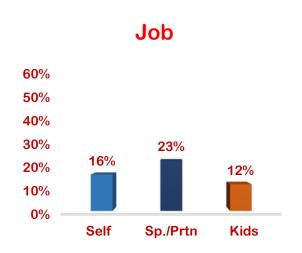


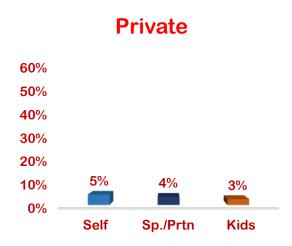
III. ACCESS TO HEALTH CARE











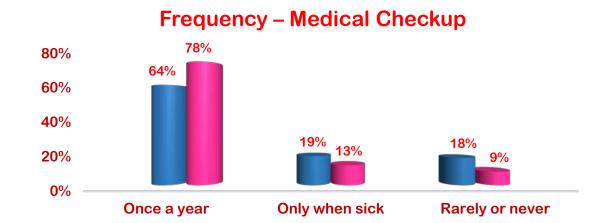
Gold Card - CHIP

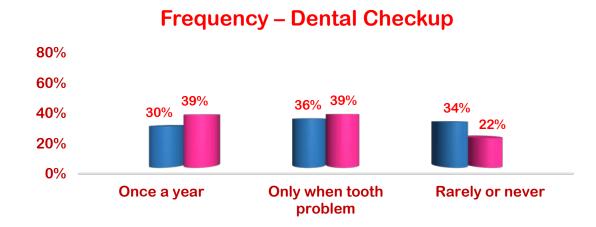




III. ACCESS TO HEALTH CARE







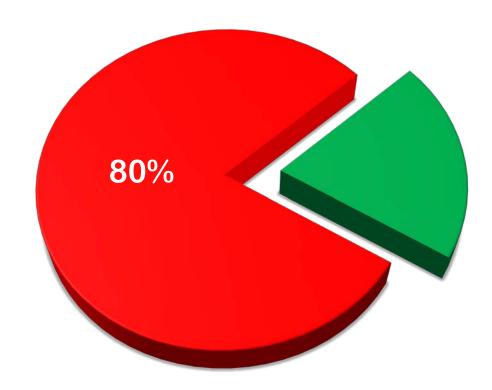




IV. SCREENING

RED denotes "never had" while **GREEN** denotes "have had"

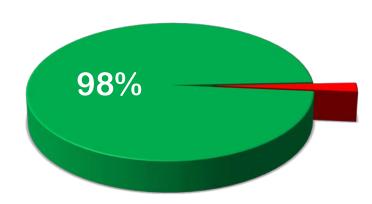
Never had a colonoscopy



Ever had a mammogram



Ever had a PAP test





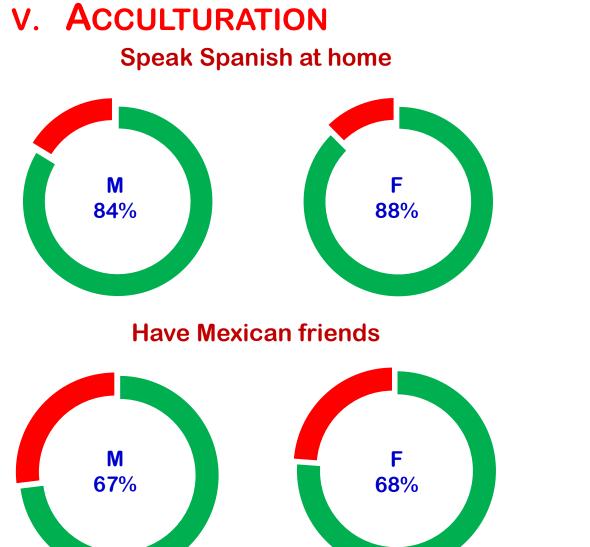


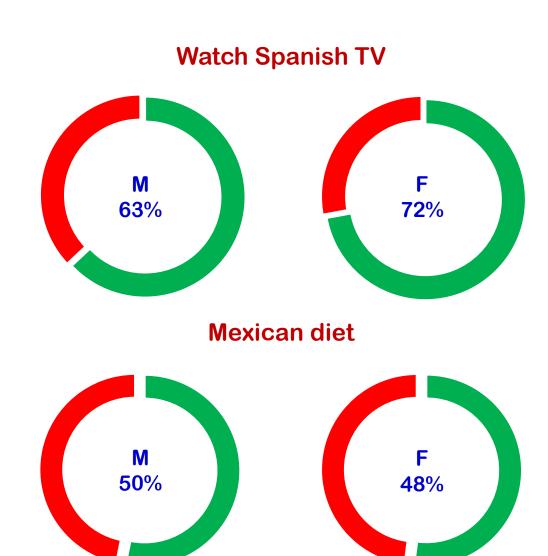
V. ACCULTURATION

- Acculturation is defined as a cultural modification of an individual, group, or people by adapting to or borrowing traits from another culture
- This is important because as a new member of society changes to adapt to their new environment they often change their social structure as well as their eating habits.
- In the following slide we have data for four acculturation aspects. The percentage of participants which speak Spanish at home, watch Spanish TV, eat a primarily Mexican diet, and have mostly Mexican friends.













VI. PHYSICAL ACTIVITY

 Physical activity is a key lifestyle factor for maintaining a healthy balance. The data below shows that of all the participants, female participants reported spending more time sitting and less time achieving recommended physical activity.

Physical Activity										
Born in	Mé	xico	EEUU							
	M 3,237	F 12,542	M 1,470	F 4,271						
Does NOT meet the recommendations for physical activity	55%	81%	58%	77%						
Sitting more than 3 hours every day	21%	79%	26%	74%						

Chrisman et al. Acculturation, sociodemographic and lifestyle factors associated with compliance with physical activity recommendations in the Mexican-American Mano A Mano cohort. BMJ Open. 2015. 5: 1-9

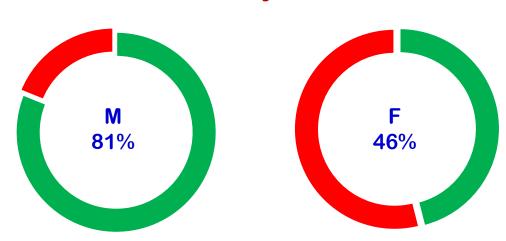




VII. WORK HISTORY

Below are the percentage of male and females in the work force and some of the key exposures they face in the workplace.

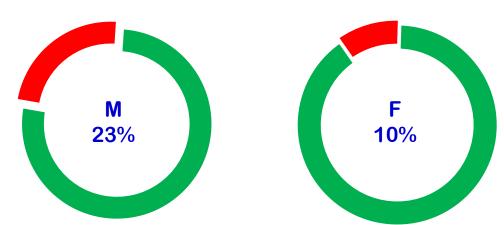
Currently Work



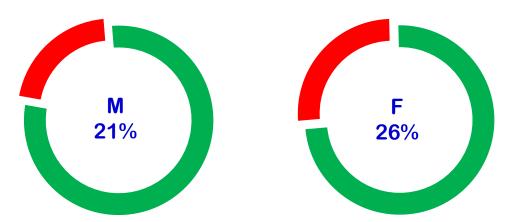
Exposure to Paint / Solvents



Exposure to Pesticides



Exposure to Cleaning Chemicals



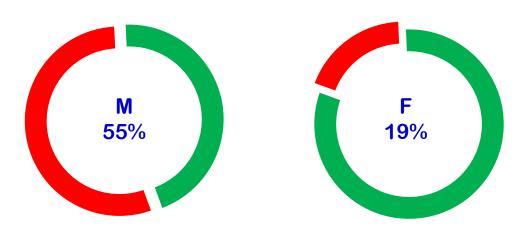




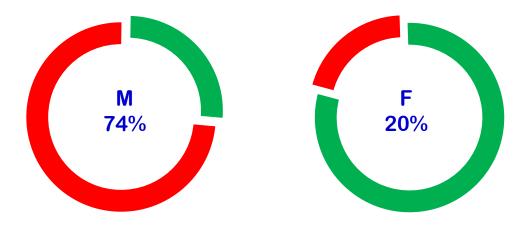
VIII.LIFESTYLE HABITS

- There are certain lifestyle habits that raise the risk of developing different diseases, mainly smoking and alcohol.
- These happen to be the most notable set of behaviors with our participants, 55% of males are smoking or quit and 19% of females are smoking or quit. While 74% of our male participants drink alcohol or have quit and 20% of females drink alcohol or quit.

Smoking (currently or quit)



Alcohol (currently or quit)

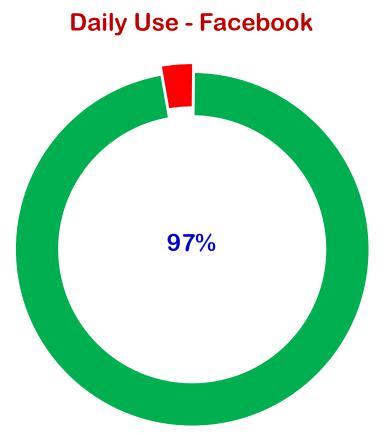






X. MEDIA USAGE

- A key usage of communication technology in the population of the Mano a Mano Cohort is Facebook.
- It is noted that 97 % of participants has daily use of the social media platform.







Thank You!

to the 26,672 participants
that have become
members of our Cohort
and make this research
possible



"We decided to participate in this important study because we believe that with the information that gets collected, researchers will be able in the future to prevent disease among the Hispanic population"