

UNLV

School of
COMMUNITY
HEALTH SCIENCES

Back to School Immunization Survey

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Background

- ▶ NRS 392.435 Immunization of Pupils, unless otherwise exempted, Nevada state law requires that a child may not be enrolled in public schools without proof of immunizations or boosters (N.R.S. 392.435)
- ▶ In 2013, Nevada's immunization coverage for children aged 19-35 months ranked at 48th (Immunize Nevada, 2015)
- ▶ Immunization coverage improved to 38th in the nation (Immunize Nevada, 2015)
- ▶ In 2015, the United States experienced a measles outbreak linked to an amusement park in California (Disneyland) (CDC, 2016)

2015 Measles outbreak in the United States



Source: CDC, California Department of Public Health, Arizona Department of Health Services, Delaware Division of Public Health, New York State Department of Health, Nebraska Department of Health & Human Services, South Dakota Department of Health

Data updated: February 2, 2015
Not drawn to scale

For every \$1 spent on a vaccine in the US...



ECBT
every child by two

Information from Economic Evaluation of the Routine Childhood Immunization Program in the United States, 2009. Presented at Pediatric Academic Societies Annual Meeting, Boston, Massachusetts, Apr 28-May 1, 2012. Fangjun Zhou, PhD

Image courtesy of Vichaya Kitying-Angsulee/FredRitaPhotos.net

...with routine vaccination the US saves \$13.5 billion in direct costs and \$68.8 billion in societal costs.

The Purpose of this Survey:

- ❖ To identify barriers that prevent students in Nevada from obtaining school required immunizations on time
- ❖ To explore the reasons why parents are coming to the Back to School clinics instead of their primary care physicians for immunizations
 - ❖ Are Back to School sustainable?
- ❖ To evaluate the barriers to find key strategies to improve immunization outreach
- ❖ **Number of survey respondents: n=220**

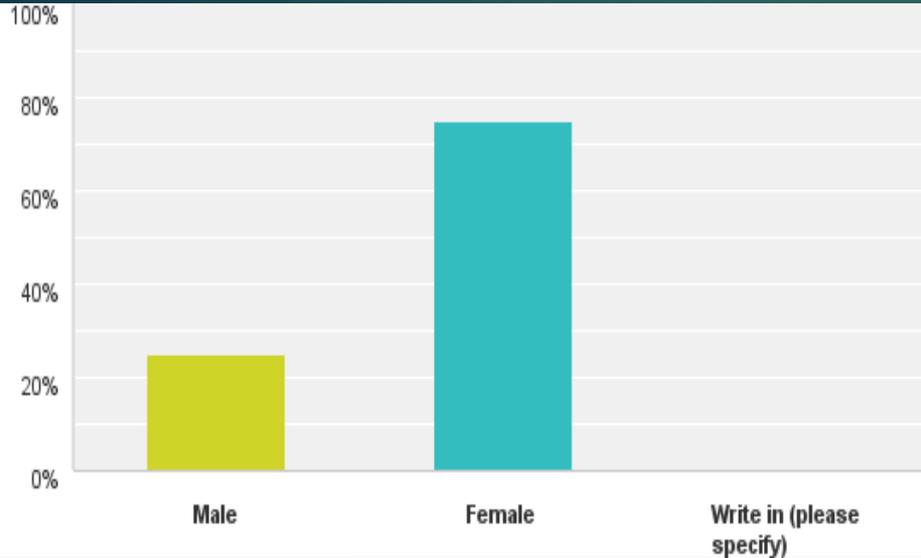
2016 COMMUNITY IMMUNIZATION CLINIC SCHEDULE
Low or no-cost immunizations are available for insured and uninsured school-age children on a first-come, first-served basis (minimal fees may apply).

Please bring your child's:
Insurance card (if applicable)
Shot Records: View and print your child's shot records at <https://crecord.nv.gov>

Day	Time	Event Name	Location	Address
Saturday, July 9th	10am-2pm	Healthcare Partners Durango Pediatric Wellness Clinic	Durango Pediatric Clinic	5575 S. Durango Dr #103 Las Vegas, NV 89113
Thursday, July 14th	10am-2pm	Logandale Back To School Health Fair & Clinic	Old Logandale School	3011 N Moapa Valley Blvd Logandale, NV 89021
Saturday, July 16th	9am-1pm	Desert View Hospital Back To School Fair	Desert View Hospital	360 S Lola Ln Pahrump, NV 89048
Saturday, August 6th	10am-4pm	Cox Communications Back To School Fair	Galleria Mall	1300 W. Sunset Rd Henderson, NV
Saturday, August 6th	9am-1pm	Southwest Medical Associates Back To School Fair	Southwest Medical Associates	5580 W Flamingo Rd Las Vegas, NV 89103
Tuesday, August 9th	9am-12:30pm	Robison Middle School Back To School Clinic	Robison Middle School	825 Marion Dr Las Vegas, NV 89110
Saturday, August 13th	10am-2pm	NAACP Community Health Fair	Pearson Community Center	1625 W Carey Ave, North Las Vegas, NV 89032
Saturday, August 13th	10am-4pm	Cox Communications Back To School Fair	Meadows Mall	4300 Meadows Lane Las Vegas, NV 89107
Saturday, August 13th	10am-2pm	Healthcare Partners Durango Pediatric Wellness Clinic	Durango Pediatric Clinic	5575 S. Durango Dr #103 Las Vegas, NV 89113
Saturday, August 20th	10am-4 pm	Cox Communications Back To School Fair	Boulevard Mall	3528 S Maryland Pkwy Las Vegas, NV 89169
Saturday, August 20th	10am-2pm	Healthcare Partners Back To School Fair & Wellness Clinic	Boulder City Pediatric Clinic	1297 Nevada Highway, Ste. B Boulder City, NV 89005
Tuesday, August 23rd	9am-1pm	Cashman Middle School Back To School Clinic	Cashman Middle School	4622 W. Desert Inn Road Las Vegas, NV 89102
Saturday, August 27th	9am-1pm	Give Kids A Boost	Southern Nevada Health District	280 S. Decatur Blvd, Las Vegas, NV 89107
Saturday, August 27th	10am-2pm	Healthcare Partners Galleria Pediatric Wellness Clinic	Galleria Pediatric Clinic	1397 Galleria Drive Henderson, NV 89014
Saturday, August 27th	10am-4pm	Cox Communications Back To School Fair	Downtown Summerlin	1980 Festival Plaza Dr. Las Vegas, NV 89135

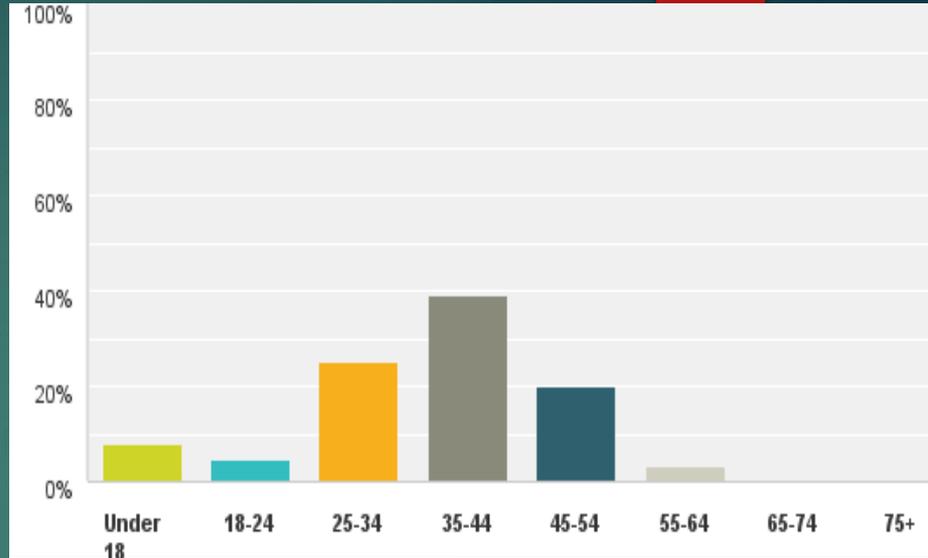
Visit ImmunizeNevada.org for more information about age limitations, insurance requirements, additional events, times and locations.

What is your gender?



- ❖ 75% of the respondents were female

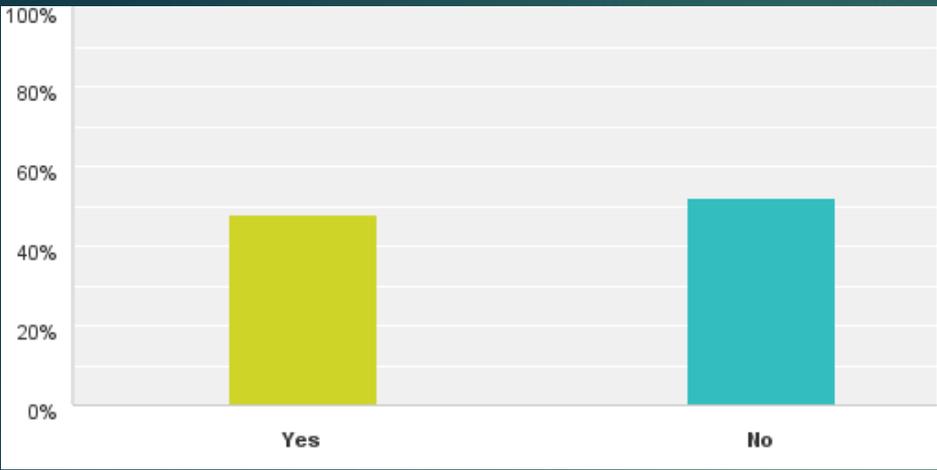
What is your age?



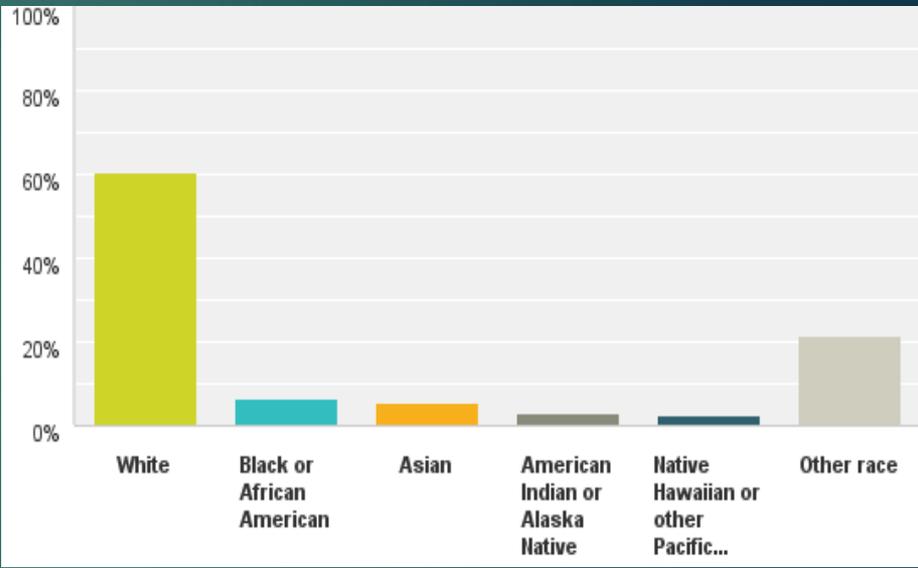
- ❖ The group with the highest response was between the age of 35-44.



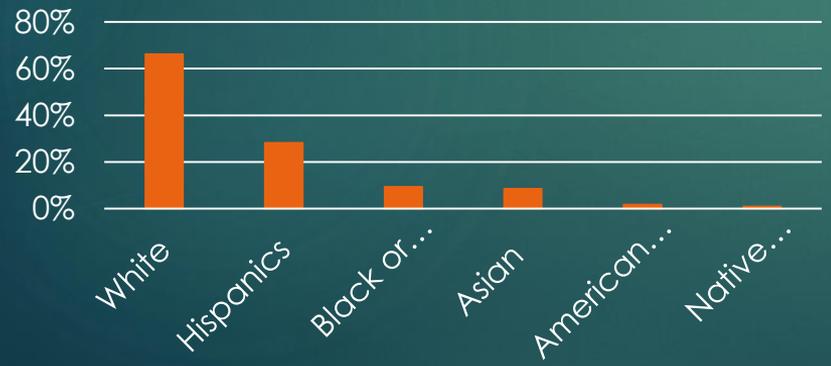
Are you of Hispanic, Latino or Spanish origin?



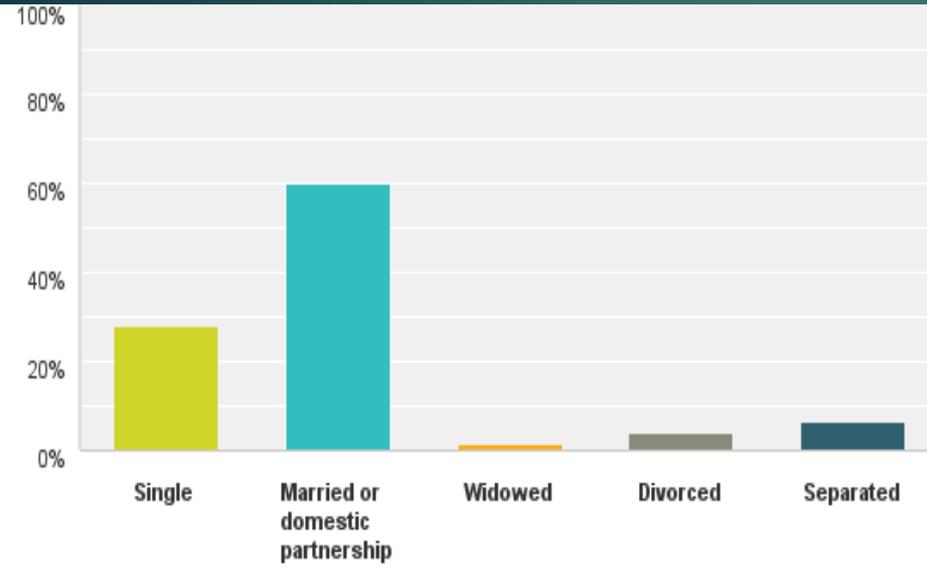
What is your race? (Please mark one)



Nevada 2015 Census

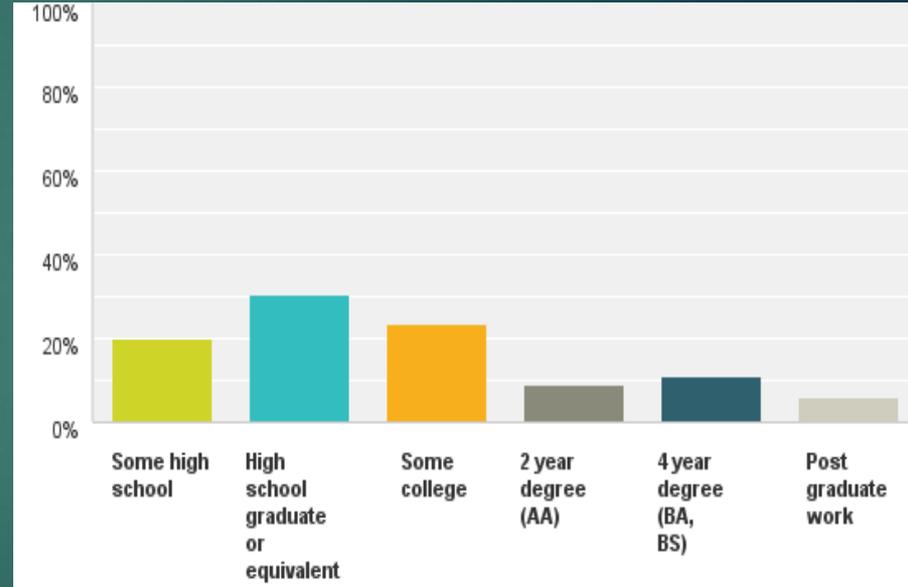


What is your marital status?

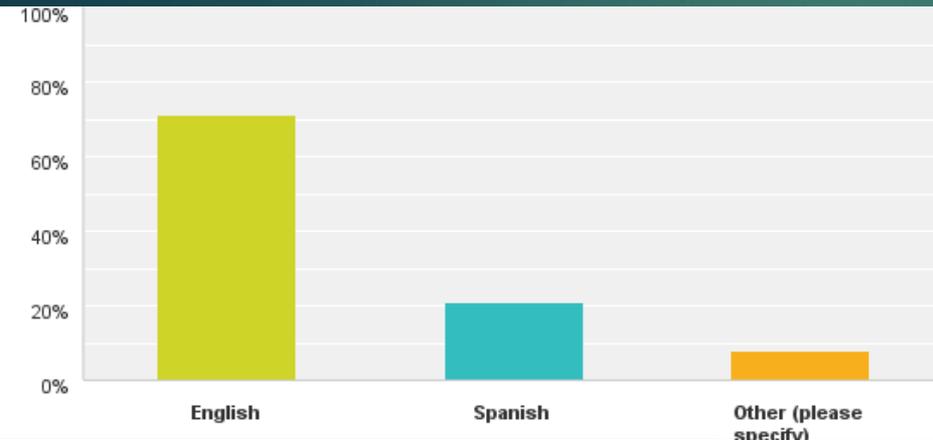


- ❖ 60% of participants are married
- ❖ 30% were single

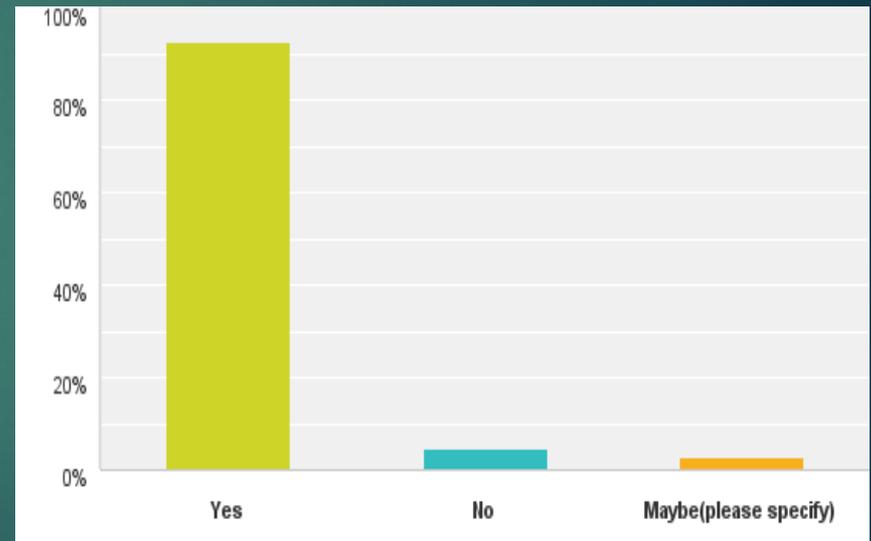
What is the highest level of education that you have completed?



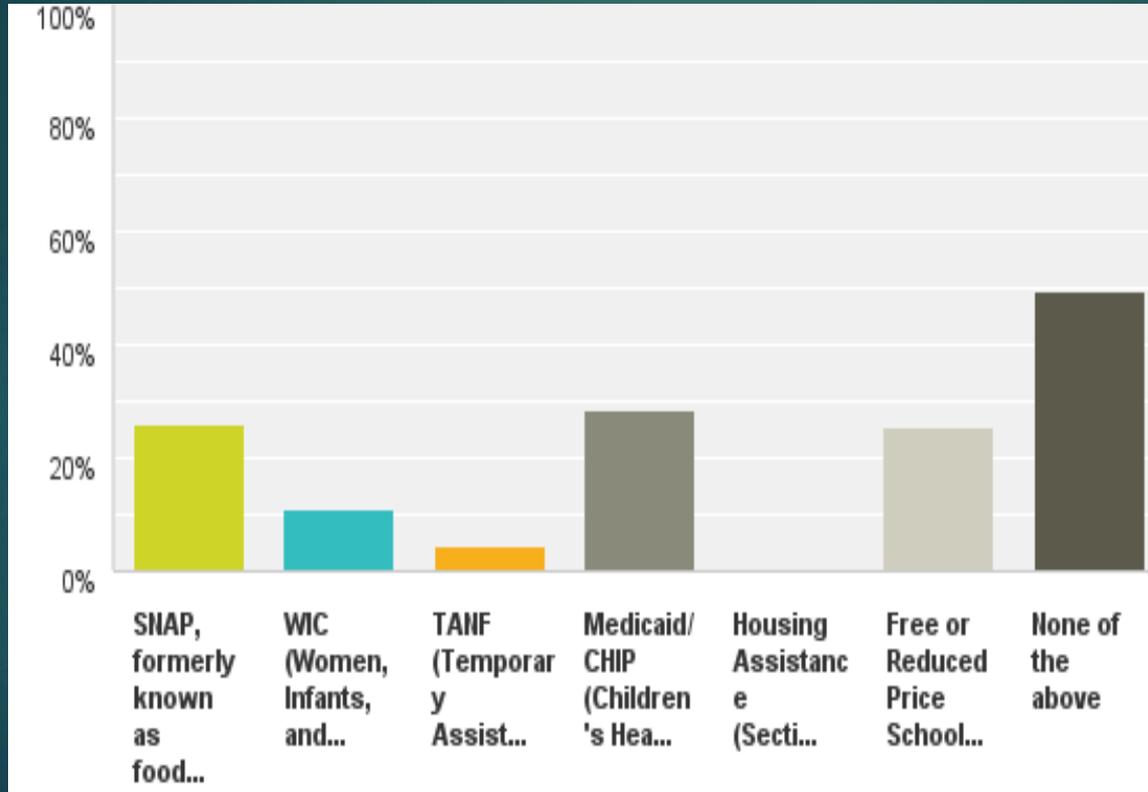
What is the primary language spoken in your home?



Is there enough immunization information available in your preferred language?

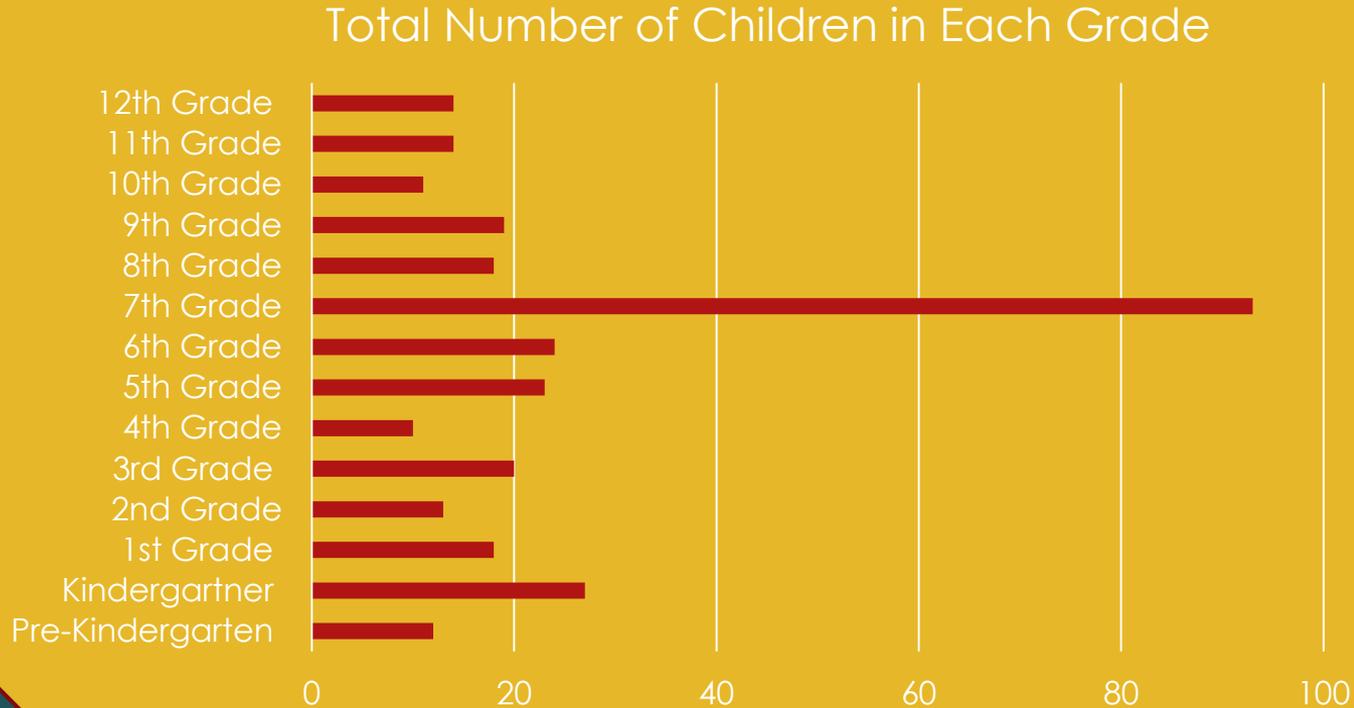


Programs that you and your family participate in (check all that apply)

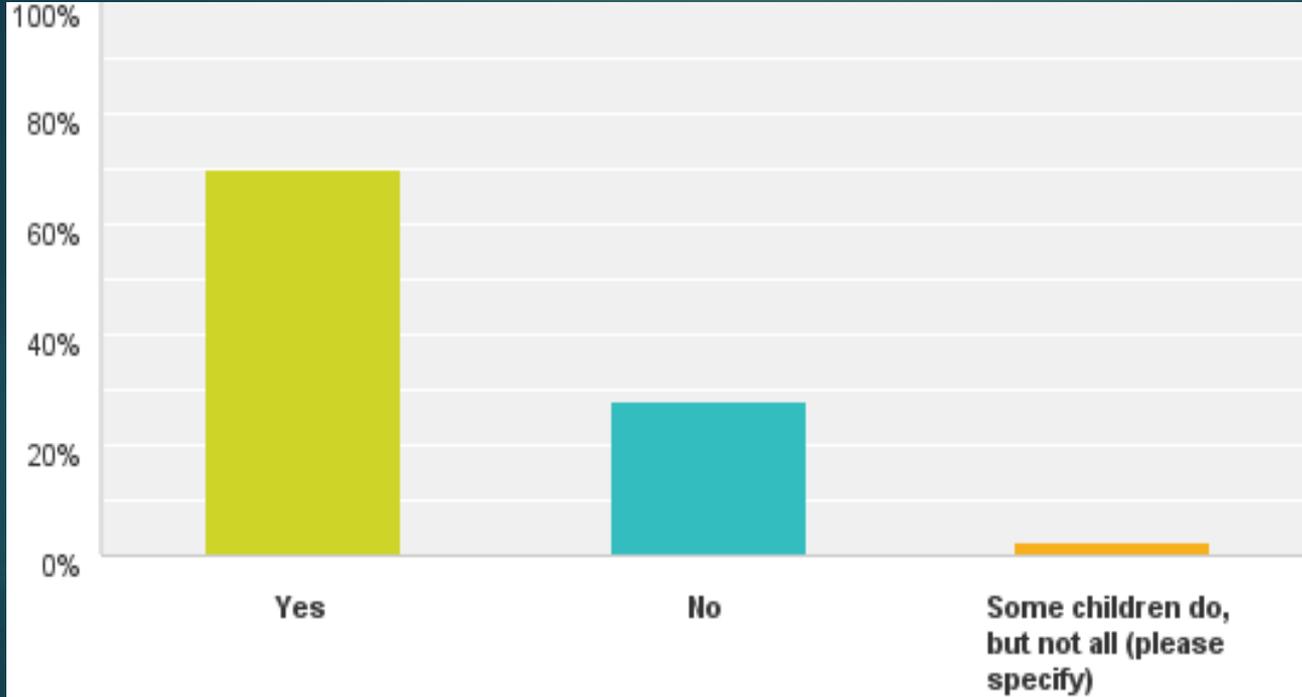


❖ About half of the participants are receiving some form of government aid

Please write in the boxes below the grades of each of your children receiving immunizations today.

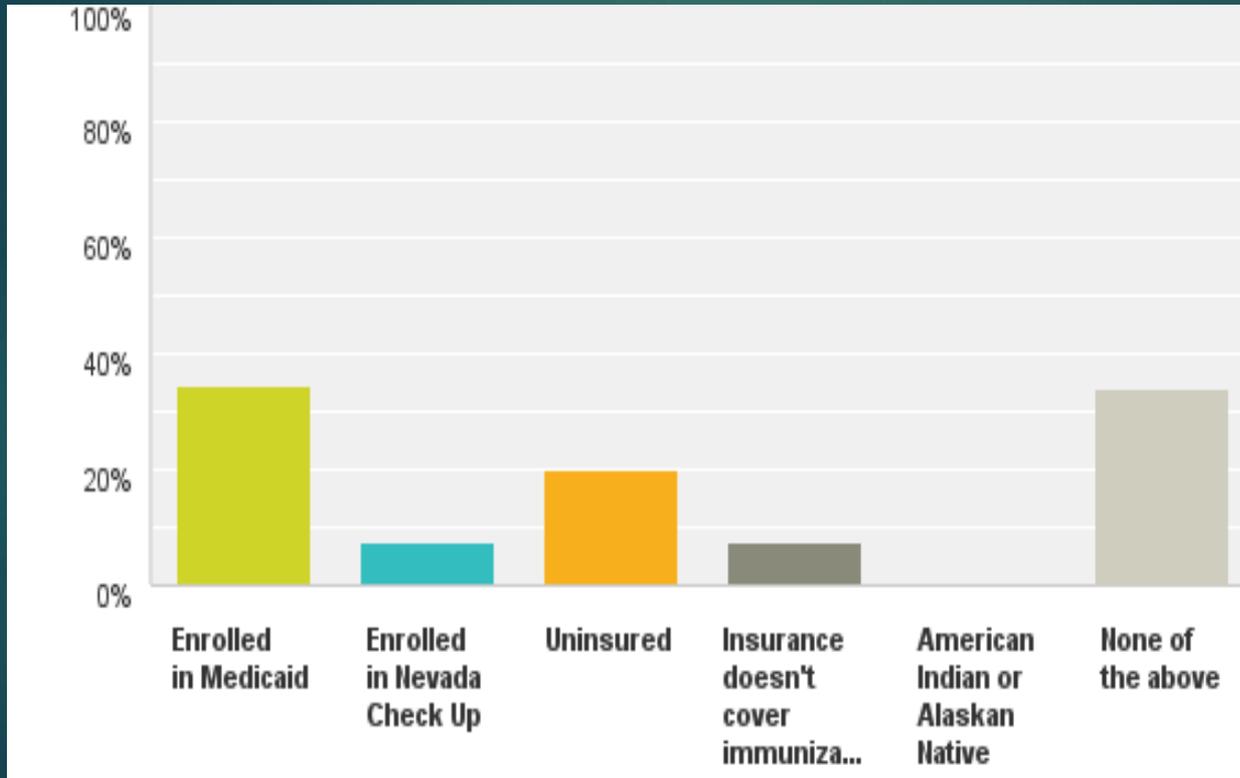


Do your children have health insurance?



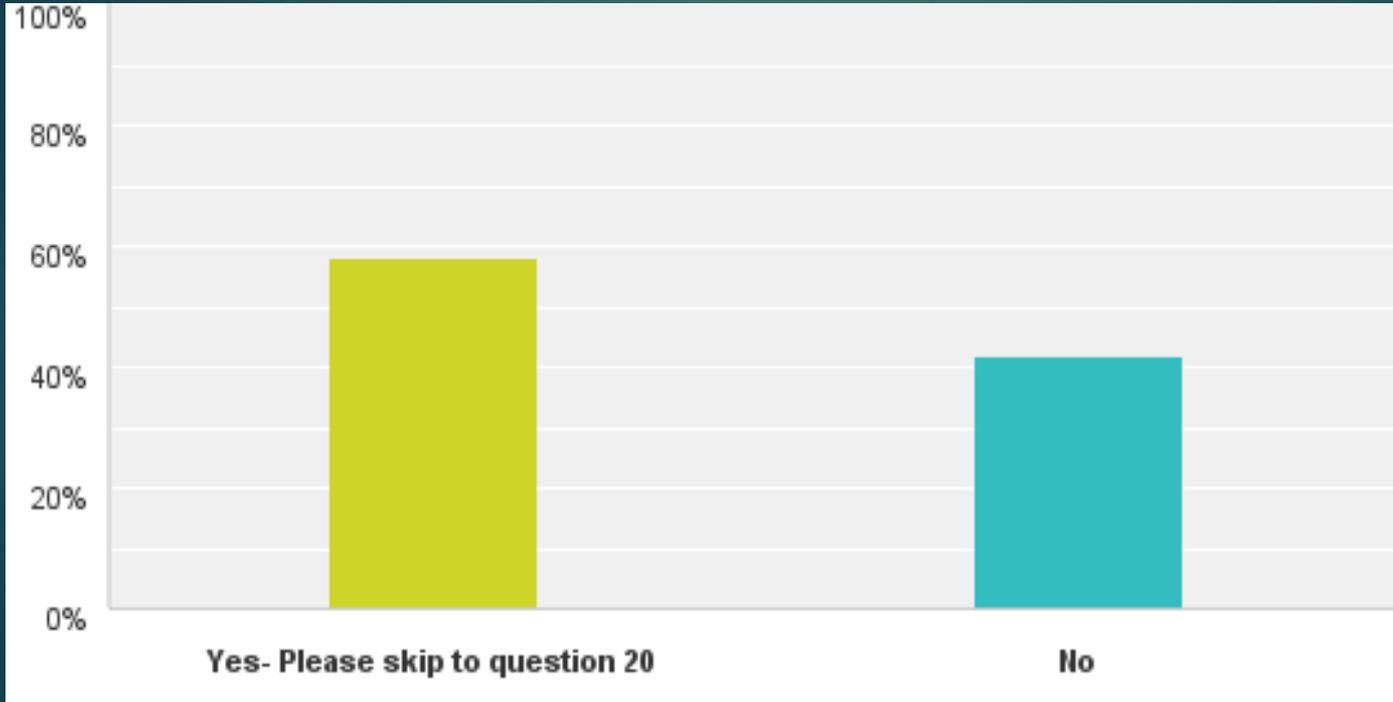
- ❖ 70% of participants stated their child had health insurance
- ❖ 28% of participants stated their child did not have health insurance

Please check any of the following that apply to your children:



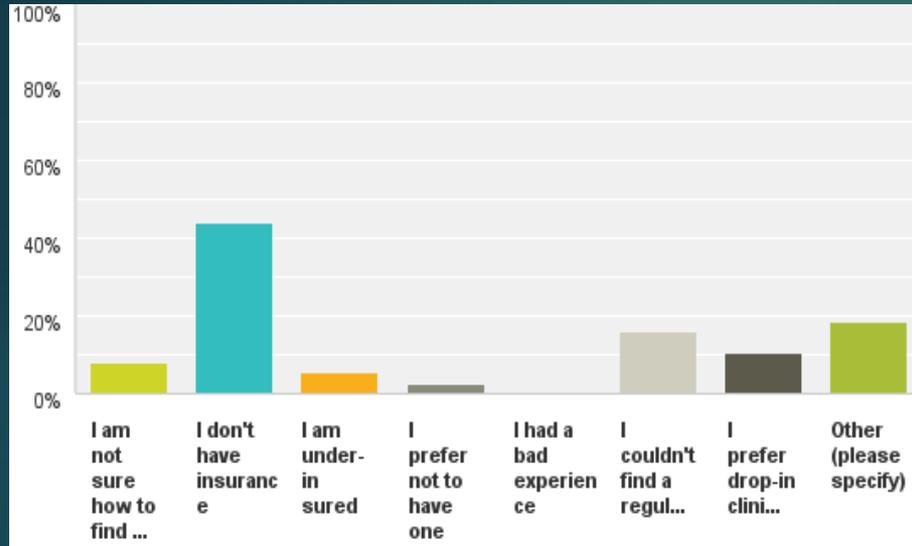
- ❖ 34% of participants are enrolled in Medicaid
- ❖ VFC eligibility

Do your children have a regular health care provider such as a primary or general health care physician?



❖ More than half of the participants have a primary care provider

Please select any reasons why your children don't have a regular health care provider



Answer Choices	Responses
▼ I don't have insurance	44.00% 33
▼ Other (please specify) Responses	18.67% 14
▼ I couldn't find a regular health care provider in my area	16.00% 12
▼ I prefer drop-in clinics; don't prefer to schedule appointments	10.67% 8
▼ I am not sure how to find a regular health care provider	8.00% 6
▼ I am under-insured	5.33% 4
▼ I prefer not to have one	2.67% 2
▼ I had a bad experience	0.00% 0

Total Respondents: 75

Please select any of the following reasons why your children are receiving vaccines here today. (Please check all that apply):

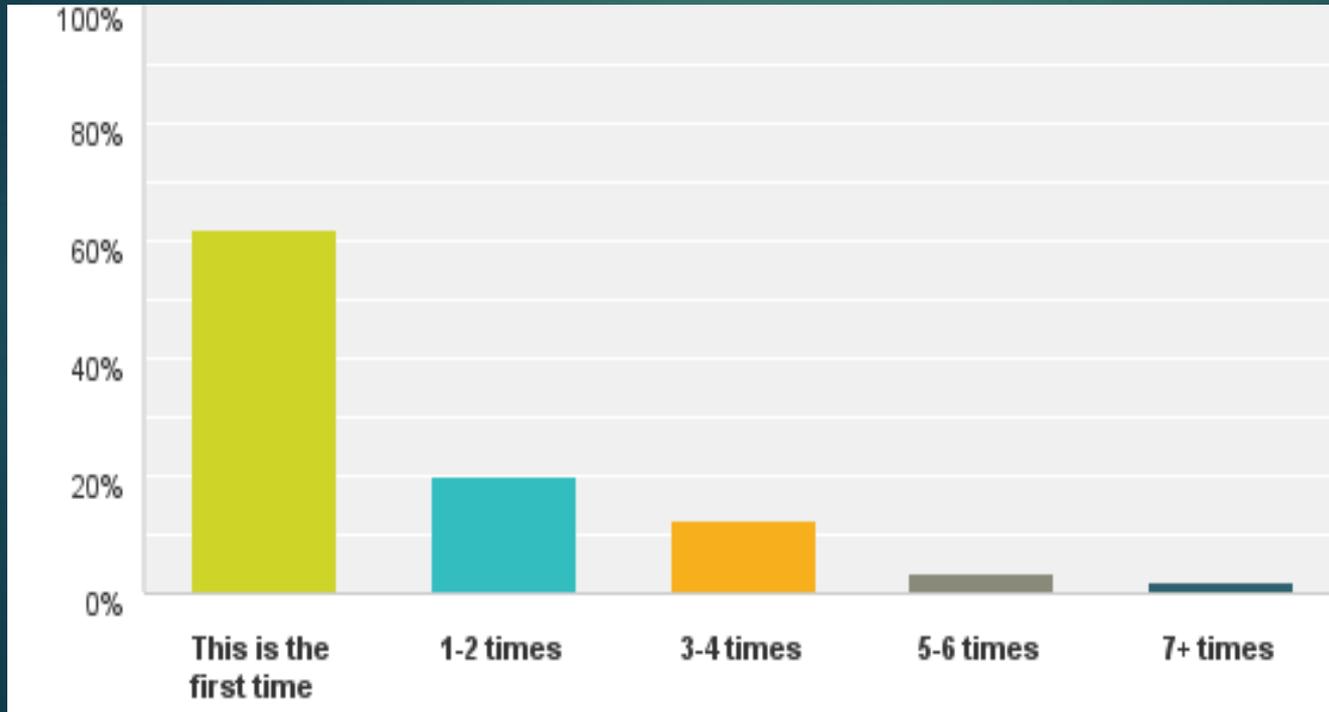


Answer Choices	Responses
It was convenient (hours, location, transportation)	51.50% 86
I usually get my children's back to school vaccines at community health fairs and events	29.94% 50
It was less expensive to get immunizations here	25.75% 43
I don't have a primary care doctor	14.97% 25
I didn't know where to go because I don't have insurance	11.38% 19
My family had a change in employment or income status	7.19% 12
I couldn't get an appointment	7.19% 12
My family had a change in healthcare or insurance status	5.99% 10
I was unaware of other locations providing vaccines	5.39% 9
I couldn't figure out where else would take my insurance	4.79% 8
Other (please specify) Responses	1.80% 3
My child had other health concerns on the date of a previously scheduled appointment	0.00% 0

Total Respondents: 167

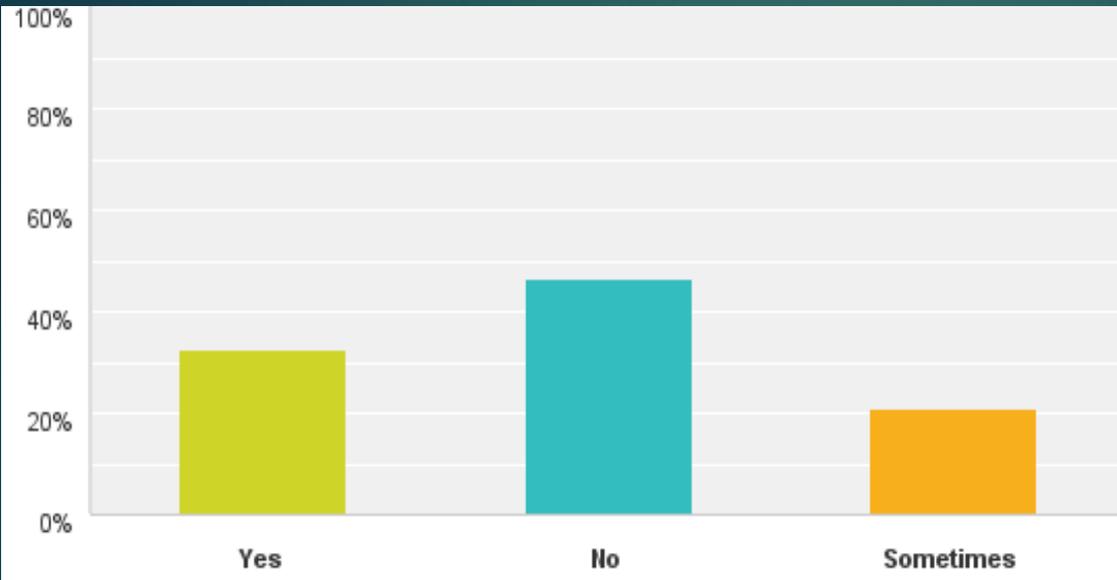
- ❖ Top 3 reasons:
 - ❖ It was convenient
 - ❖ I usually get my children back to school vaccines at community health events
 - ❖ It was less expensive

In the past, how many times have you brought your children to receive their vaccines from a community health clinic or event (such as today's event)?

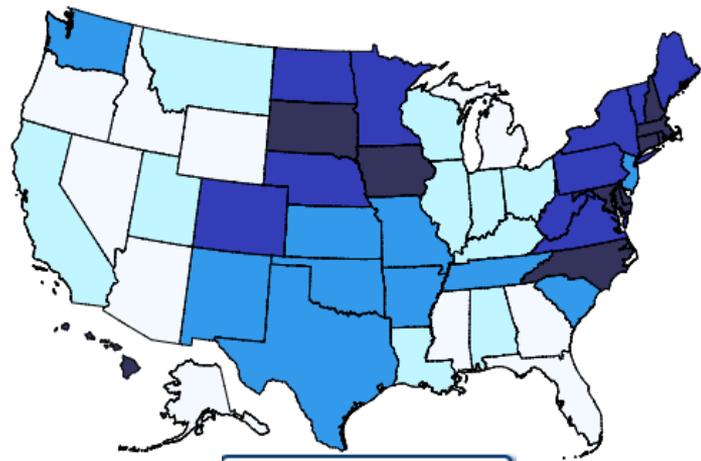


39% of participants were not first-timers

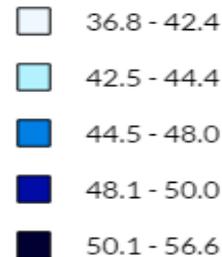
Are your children vaccinated every year against the flu?



Currently Viewing: Influenza vaccination (General Population) >> Age >> ≥6 months >> Coverage for 2015-16



Legend (%)



Where do you currently get your immunization-related information? Select all that apply.

Answer Choices	Responses
▼ Doctor	55.23% 95
▼ School	36.05% 62
▼ Internet (Google)	23.84% 41
▼ Health District	20.35% 35
▼ Immunization Web Resources (CDC Website, Southern Nevada Health Department)	13.37% 23
▼ Friends/Family	11.05% 19
▼ Social Media (Facebook, Twitter, etc.)	9.30% 16
▼ News (TV, Radio, Newspaper)	8.72% 15
▼ Other (please specify) Responses	1.16% 2
▼ Blog	0.00% 0

Total Respondents: 172

❖ Participants receive their immunization-related information from doctors, school, and the internet

Where would you prefer to get your immunization-related information? Select all that apply

Answer Choices	Responses
▼ Doctor	66.47% 111
▼ School	39.52% 66
▼ Immunization Web Resources (CDC Website, Southern Nevada Health Department)	28.14% 47
▼ Health District	27.54% 46
▼ Internet (Google)	17.37% 29
▼ News (TV, Radio, Newspaper)	9.58% 16
▼ Social Media (Facebook, Twitter, etc.)	8.98% 15
▼ Friends/Family	7.19% 12
▼ Other (please specify) Responses	2.99% 5
▼ Blog	1.20% 2

Total Respondents: 167

❖ Participants would prefer to get their immunization-related information from doctors, school and the internet

Have you heard of the Vaccines for Children Program?

Answer Choices	Responses	
Yes	29.59%	50
No	70.41%	119
Total		169

- ❖ Marketing and promoting this program will be beneficial for families.

Please tell us any other ways that we could help you and your children stay up to date on their immunizations?

More
advertisement!

- ❖ Send out reminders:
 - ❖ Text message
 - ❖ Letters
 - ❖ Email updates

Conclusion

- ❖ Identified some of the common possible barriers:
 - ❖ Convenience:
 - ❖ Unable to get time off work
 - ❖ Clinic hours
 - ❖ Location
 - ❖ Transportation
 - ❖ Cost: uninsured (28%)
- ❖ Identified where it is best to provide immunization-related information:
 - ❖ Doctors
 - ❖ School
 - ❖ Health District



How can we as a coalition address these barriers?

- ❖ Convenience:

- ❖ Time

- ❖ Extend clinic hours

- ❖ Transportation- What can we do?

- ❖ Interventions- starting a program that provides bus passes to individuals and families with low-socioeconomic status and to all considered to be at or below the poverty line



How can we as a coalition address these barriers?

❖ Cost

- ❖ Help parents attain less expensive and affordable insurance. Educate parents regarding insurance plans
- ❖ Provide resources at the clinics to inform parents about government programs, such as Vaccines for Children program
- ❖ Reduced cost for vaccines at community clinics and public health centers for low-income individuals and families

How can we as a coalition address these barriers?



- ❖ Immunization-related information:
 - ❖ Encourage physicians to provide immunization information to patients
 - ❖ Up to date resources
- ❖ Provide continuing education for healthcare providers
- ❖ Encourage schools to provide parents with immunization information



Questions?



THANK YOU! 😊

References

- ▶ Immunize, N. (2015, September 22). Immunization Rates Improve for Children and Teens in Nevada. Retrieved October 04, 2016, from <http://www.ktvn.com/story/30013898/immunization-rates-improve-for-children-and-teens-in-nevada>
- ▶ Measles Cases and Outbreaks. (2016, September 26). Retrieved October 04, 2016, from <http://www.cdc.gov/measles/cases-outbreaks.html>
- ▶ NRS: CHAPTER 392A - PROFOUNDLY GIFTED PUPILS; UNIVERSITY SCHOOLS FOR PROFOUNDLY GIFTED PUPILS. (2015, January 1). Retrieved October 05, 2016, from <https://www.leg.state.nv.us/nrs/NRS-392A.html>