

# Covid-19 Vaccination Promotion: Building Trust in Historically Hesitant Communities

**Presented by:**

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# Agenda



- Building Trust and Confidence in the Covid- 19 Vaccine:
  - Latinos, Parents of Young Children, Black Americans, Syrians, Chinese, South Asians, Sudanese
- Historical Cultural Hesitancies to Receive Vaccinations
- What Doesn't Work to Advertise and Promote Vaccinations
- Effective Vaccination Interventions
- Discussion: Implications and Vaccination Promotion



# Introduction

- Healthcare sector has a history of a lack of responsiveness to cultural differences in attitudes, beliefs, values, lifestyles, and language.
- Culturally competent healthcare is the key to reducing health disparities and improving health outcomes for all populations.
- Culturally tailored COVID-19 vaccine education and advertisements will assist in preventative care efforts aimed at minimizing the spread of COVID-19 across all cultures.



# Possible Factors Behind Vaccine Hesitancy in the Latino Community

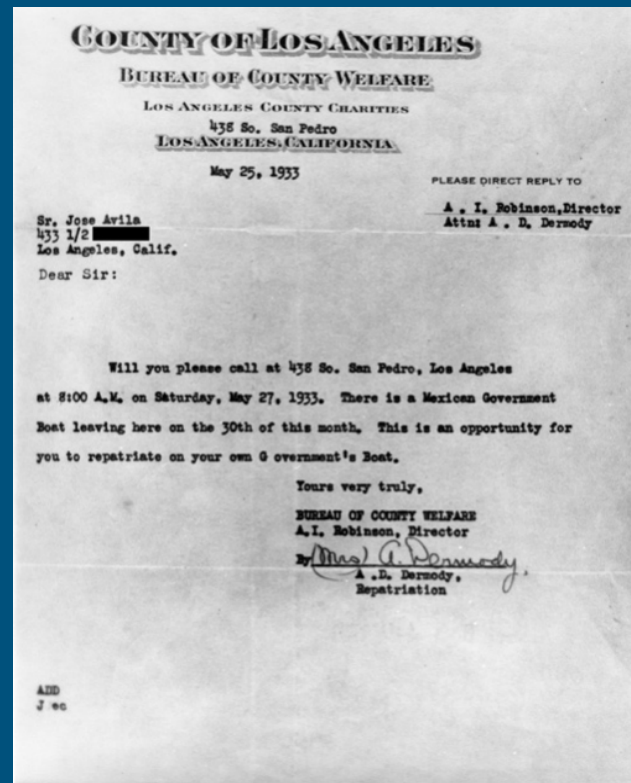
- Barriers
  - Language
    - English may not be the primary language
  - U.S. citizenship Status
    - Undocumented individuals are usually not eligible for health insurance
    - Access to health care

The COVID Collaborative Vaccination Attitudes survey of 258 Latinx individuals found the following factors would impact their decision to get vaccinated (COVID Collaborative, Langer Research, UnidosUS, & NAACP, 2020)

- Vaccine safety
- Vaccine effectiveness
- Confidence in the institutions [developing and delivering the Vaccine]

# A History Behind the Latinos Lack of Trust with the US Government

- Past: Anti-Latino Discrimination
  - Illegal Deportation/Repatriation
  - <https://youtu.be/WpRK4vSZ7Nc>
- Present: Anti-Immigrant Rhetoric
  - Latinx Americans felt unsafe after hearing our current administration's statements about undocumented immigrants (Reuters, 2019)
  - "Words can be dangerous and they can even kill when they create barriers to healthcare access." - Dr. Albert Wu (Reuters, 2019)





# How to Bridge the Gap: Solutions

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## 1. Transparency

- a. Educate how vaccines are created and how they work

## 2. Communication

- a. Ensure all messaging are provided in both Spanish and English languages

## 3. Representation

- a. Seek influential members of the Latino community (religious leaders, physicians , news anchors, radio personalities, to spread the importance of COVID-19 vaccines

## Resources

- [Healthcare access for Undocumented Folks in the Time of COVID19 | United We Dream](#)
- [PowerPoint Presentation \(protectingimmigrantfamilies.org\)](#)
- [Cultural Insights: Communicating with Hispanics/Latinos \(cdc.gov\)](#)



# Parents of Young Children: Cultural Hesitancies to receive Vaccines

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## Possible Reasons for Vaccine Hesitancy

1. Religious
2. Personal or philosophical
3. Safety concerns
4. Desire for additional education

(McKee & Bohannon, 2016)

“Some parents delay or stagger vaccines, because they presume that doing so is safer. But this is a false assumption based on..nothing. Not evidence, not fact, not science, not research. It’s on years (and years) of all of those things that immunization medicine, and the immunization schedule, is based.” Dr. Todd Wolynn, the CEO of Kids Plus Pediatrics  
*(Wolynn, 2020)*

# How to Bridge the Gap: Solutions

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- Maintain a trustworthy patient-provider relationship
  - <https://youtu.be/s7xKvqoxIMA>
- Tailor communication to specific patient's concerns and doubts

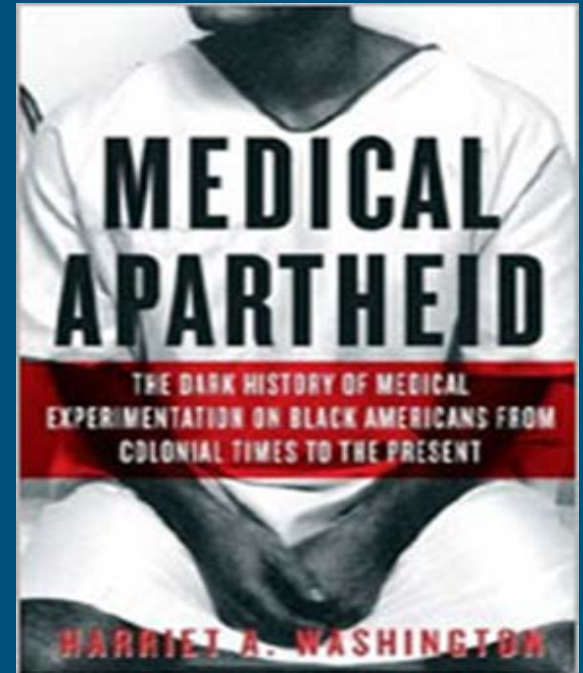


# History of Lack of Trust of Health Professionals among Black Americans

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## Past History:

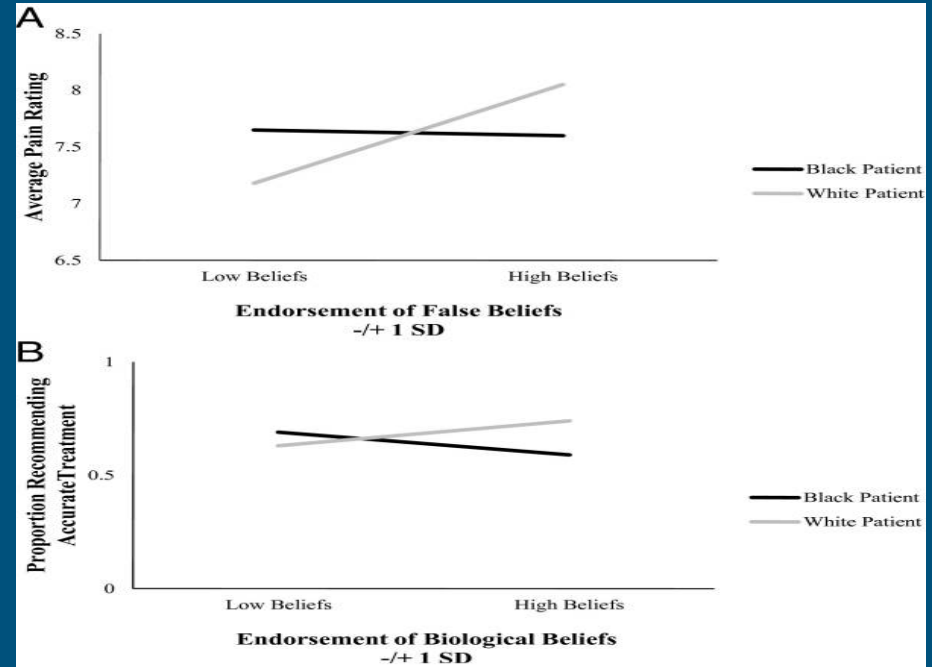
- Health profession has history of utilizing black bodies for experimentation without informed consent
  - [The Tuskegee Study](#)
- Discussion: After watching this video, can you think of some reasons why trusting vaccinations is concerning for Black Americans?



# History of Lack of Trust of Health Professionals among Black Americans

## Present day:

- Medical institutions used to reinforce systems of oppression
- Lack of adequate medical treatment, differential treatment
- Mortality disparities - lower life expectancy



Hoffman, K. M., Trawalter, S., Axt, J. R., & Oliver, M. N. (2016). Racial bias in pain assessment and treatment recommendations, and false beliefs about biological differences between blacks and whites. *Proceedings of the National Academy of Sciences*, 113(16), 4296-4301.

[illegible]

*"... I have major trust issues with my government across the board... A lot of people are trust motivated. If you don't have my trust then I'm not going to pay you much mind no matter what you say" (AAM).*

*"I don't trust the government for nothing that they're mixing up"*  
(AANTF)

*"I think the older generation, you hate to say, set in their ways, but it's a pattern that they associated with fear of the government doing the unknown. I think that is something that still has not changed even to this day" (AAM)*

[illegible]

*I trust them, and I'm going to tell you why... Because if they were, if I felt like I couldn't trust them that I means I can't trust everybody's that's working with them. There are too many people that work in the government that have our best interest. So, please don't think that the government is trying to hurt us if they say, 'Go get your flu shot.' Because I don't believe they are, period (AAM).*

# Recommendations to Overcome Hesitancies and Barriers to receive Covid Vaccination among Black Americans

## Short-term

- Target population by age and gender
- Community-based vaccine programs  
<https://www.thecommunityguide.org/sites/default/files/Vaccination-Community-Based-Interventions-Implemented-in-Combination-Archive.pdf>
- Partner with trusted individuals and organizations within the black community
  - Faith-based (Pastor John Harrell of Proviso Baptist Church in Maywood)
  - Elected Officials (Rep. La Shawn Ford)
  - Historically Black Colleges and Universities



<https://chicago.suntimes.com/coronavirus/2020/11/29/21725597/black-brown-communities-should-get-first-dibs-on-coronavirus-vaccine-minority-leaders-say>



# Recommendations to Overcome Hesitancies and Barriers to receive Covid Vaccination among Black Americans

## Long-term

- Provide on-going supports and investments to the black community
- Address generational trauma
- Address racism as a public health concern



# Syrian Population



- Common Religion: Muslim (Zong & Batalova, 2017)
- Language: Arabic (Zong & Batalova, 2017)
- Population: 1,059 Syrian Refugees Resettled in Illinois  
between 2012- 2017 (Zong & Batalova, 2017).

# SYRIANS:

## Cultural Hesitancies to Receive Vaccines



## Religious Barriers:

- Fears that vaccines are not halal certified (Ahmed et al., 2017).
- Many view vaccinations as “unacceptable” during the month of Ramadan (Peiffer-Smadja et al., 2017).
- Same gender preferences when receiving healthcare (Alqufly, 2019).

## Language Barriers:

- Limited english speaking skills and preferences to communicate in Arabic create challenges in understanding why vaccines are beneficial as well as coordinating vaccines with the healthcare providers (Pearson et al., 2011).



SYRIANS:

## Ineffective Vaccination Promotion



- Educating the public that in way that attempts to convince that a vaccination is the “less risky option” than the virus (Angelmar, 2013).
- Lack of appropriate cultural representation when advertising the vaccinations (Proto, 2019).

Promote Vaccinations  
with Confidence:

Steps to Build Trust  
in the Syrian Population



# SYRIANS: Building Trust in the Community

Healthcare providers are highly influential in vaccination decisions.

Strategies Include:

- Scheduling vaccines in the doctor's office (WHO, 2014).
- Providing interpreters and health care providers of the same gender (Attum, 2020).
- Effective evidence-based communication strategies include motivational interviewing (Gagneur, 2020).



# SYRIANS: Building Trust in the Community

- Collaboration with Muslim community leaders to make public announcements about the necessity of non-halal vaccinations through online forums (History of Vaccines, 2018).
- Combination of community-based interventions specific to the Muslim community (Task Force, 2015).

# Question:

How would you respond to this hesitancy:

*“I’m waiting to see if others at my mosque will decide to get the vaccine before I decide to get vaccinated.”*

# Chinese Overview



- ❖ **Common Religion:** Buddhism and Folk Religion (cfr, 2019).
- ❖ **Language:** Most common language for Chinese immigrants in the United States is Mandarin (Sawe, B. 2020)
- ❖ **Population:** Largest population in the world with over 1.4 billion people (worldometer, 2020) The population of Chinese immigrants in the United States has grown nearly seven-fold since 1980, reaching almost 2.5 million in 2018, or 5.5 percent of the overall foreign-born population.
- ❖ **Gender (in America):** Higher majority of men in population (Textor, P., & 17, N. 2020)

# South Asian

## Overview



- South Asian nations include, India, Pakistan, Bangladesh, Nepal, Bhutan, Sri Lanka, and Maldives (coff, 2018).
- Religion: Hinduism, Islam, Sikhism, and Christianity. The most common is Hinduism. (coff, 2018).
- Language: Most linguistically diverse areas in the world. (coff, 2018).
- Home to one of the worlds earliest known civilizations, the Indus civilization, and today is one of the most densely populated regions on the planet. (coff, 2018).
- As of 2017, 5.4 million South Asian immigrants in the United States

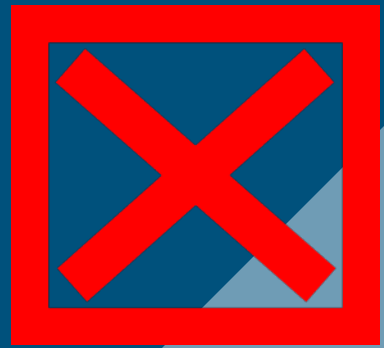


# Chinese and South Asian Population

## Cultural Hesitancies to Receive Vaccines

- **Distrust-** In China there is a lack of governance on vaccine safety and there is a lack of transparency from the government to its civilians. This translates to the Chinese population here in the United States.
- **Perceived religious prohibition-** Buddhism and Hinduism
- **Traditional complementary and alternative medicine (WHO, 2020).**
- **History of low percent of childhood immunization and immunizations in South Asian culture-** not a top priority.
- **Lack of understanding and education on importance of vaccinations in South Asian cultures.**

## Chinese and South Asian Ineffective Vaccination Interventions



- Lack of appropriate cultural representation when advertising the COVID-19 vaccinations- making both populations feel as if their culture and belief systems are not important.
- Lack of transparency
- Educating the populations in a way that makes them feel as if their alternative medicine is not as viable as the vaccination



# Chinese and South Asian Effective Vaccination Interventions

- **Adequate vaccine knowledge- online communication mechanism should be established to engage with the public with language distinction in a timely manner that gives transparency, avoids misinformation, and informs the public on side effects.**
- **Immunization programmes with focus on raising caregiver awareness and education-systematically using communication and advocacy activities to change parental behaviour**
- **Representation- Translators available in doctors offices, seeking influential members of the Chinese and South Asian communities to spread the importance of COVID-19 vaccines, and global partnerships. Engage religious or other influential leaders to promote vaccination in the community**
- **Individual action plans based on concerns, religious beliefs, healthcare providers of certain genders, and preferred language**

# True Or False

## Chinese and South Asian Populations

1. **T or F:** The Most common religion practiced by the Chinese population is Buddhism and Folk religion
  2. **T or F:** The South Asian population has a historically low percentage of childhood immunization
  3. **T or F:** There is a higher number of women in the chinese population than men
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# True or False: Correct Answers

1. **T** or F: The Most common religion practiced by the Chinese population is Buddhism and Folk religion
2. **T** or F: The South Asian population has a historically low percentage of childhood immunization
3. T or **F**: There is a higher number of women in the chinese population than men



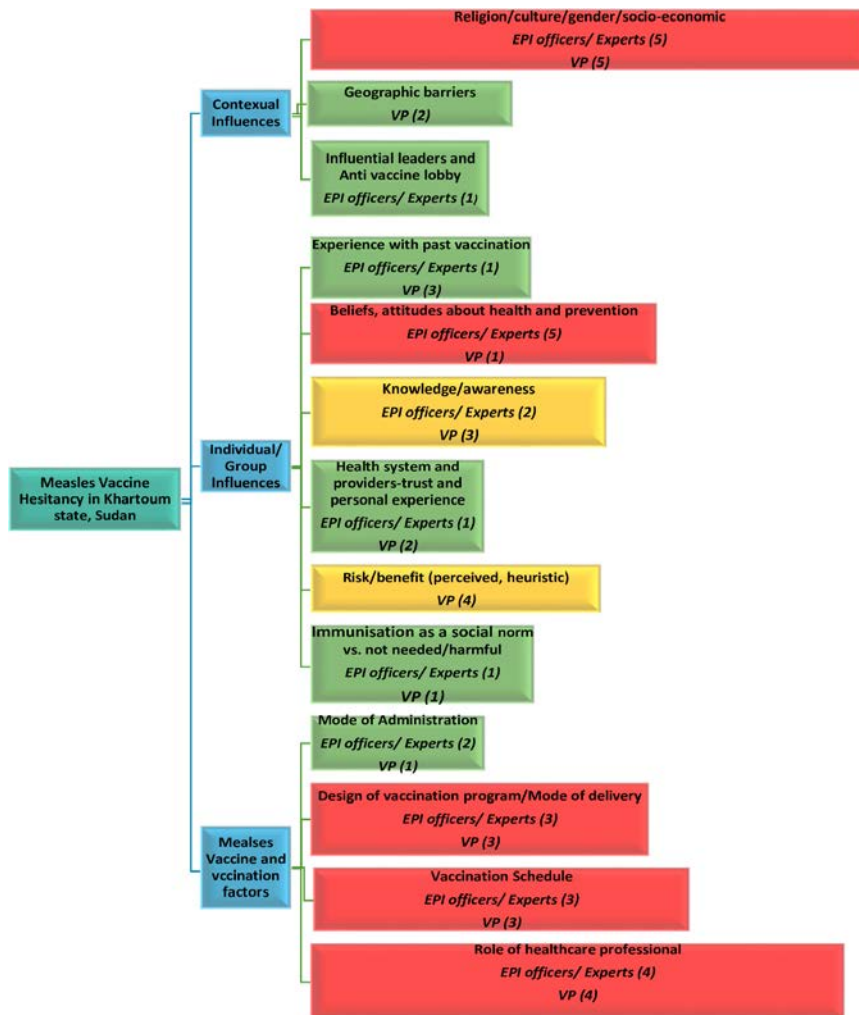
# Sudan Overview



- National Name: Jamhuryat as-Sudan
- Population( 2014 est)- **Population (2014 est.):** 35,482,233 (growth rate: 1.78%); birth rate: 30.01/1000; infant mortality rate: 52.86/1000; life expectancy: 63.32; density per sq mi: 42.4
- Capital: Khartoum, 4.632 million
- Languages: Arabic(Official), English(Official), Nubian, Ta Bedawie, Fur
- Ethnicity/race: Sudanese Arab(70%), Fur, Beja, Nuba, Fallata
- Religions: Sunni Muslim, small Christian minority

# Sudanese hesitation to vaccines

- Ethical/moral/religious reasons
- Fear that vaccination are causing diseases (Measles outbreak in Sudan: example of the right)
- Culture
- Development of autism



# Sudanese Vaccine Hesitancies

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- 19) French doctors suggest testing Covid-19 vaccine in Africa, slammed as racist – YouTube
- Lack of education
- Lack of knowledge and lack of awareness
- (19) Vaccine hesitancy in Sudan - YouTube



# Sudanese Hesitation to Vaccines

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- Disease is more “natural” than vaccine
- Do not trust the organized medicine
- Do not trust government health authorities
- “It is well known that the measles virus vaccine (a live virus vaccine) can cause severe immune dysfunction, greatly increasing autoimmune reactions to the nervous system”  
Russell Blaylock, MD.



# Sudanese Hesitation to Vaccines

**More vaccines given at once means a higher risk of adverse reactions.**

- “A review of data from the Vaccine Adverse Event Reporting System (VAERS) shows a dose-dependent association between the number of vaccines administered simultaneously and the likelihood of hospitalization or death for an adverse reaction.” - Neil Miller, Journalist



# Sudan vaccine Hesitancy: example

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**“The vaccine is the disease itself, they are bringing Polio to Sudan”**

“The vaccine is only available effective way for protecting our children from both the wild and the vaccine derived (mutated) types of Poliovirus. Non vaccinating our children which implies not training their immune system to appropriately respond and kill the viruses when contracted from the environment, will contribute to availing susceptible population, continued circulation of Polio virus and having more and more children diseased and paralyzed by both wild and vaccine derived Polio viruses, according to UNICEF-Sudan”.



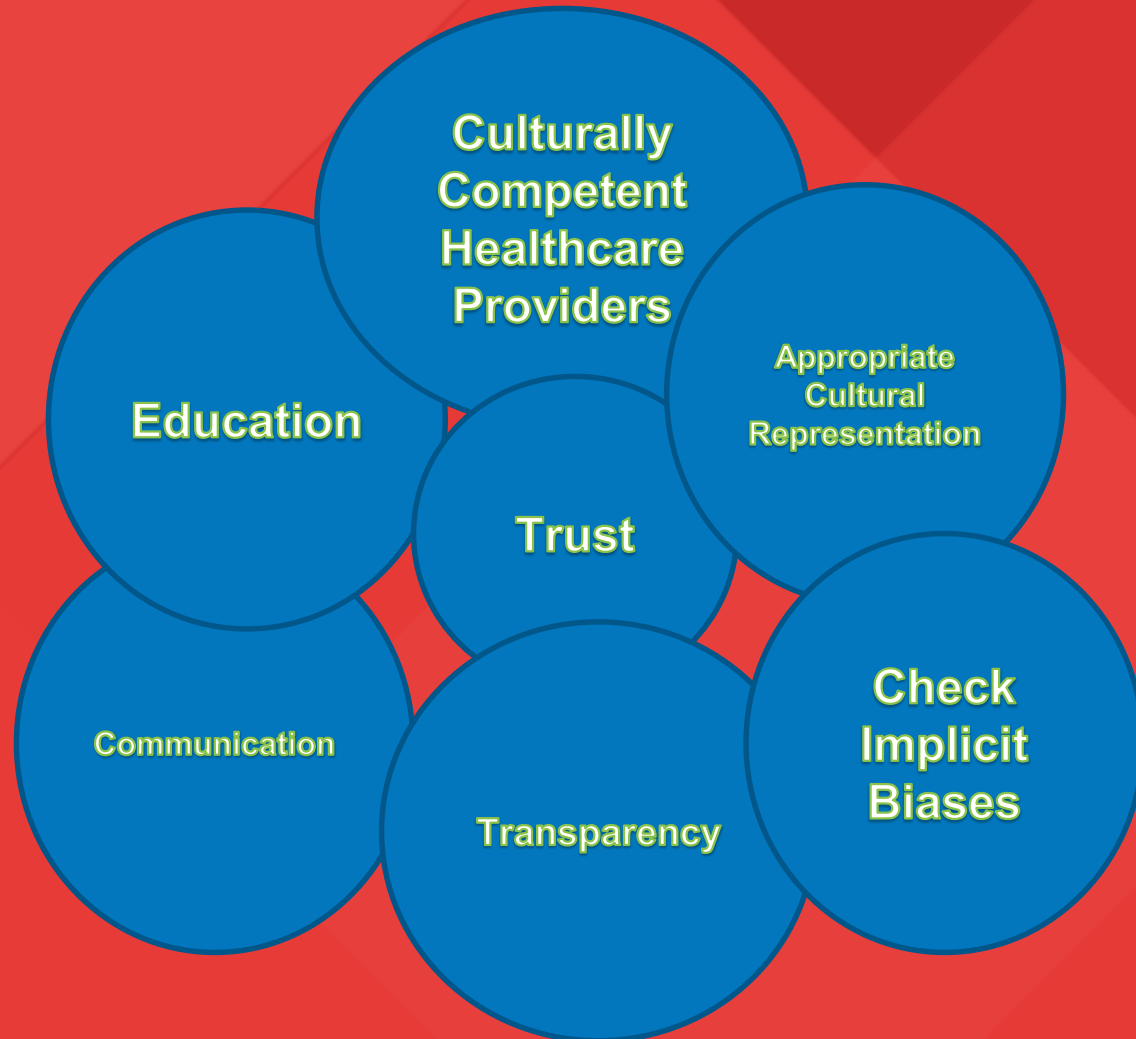
# Sudanese Effective Vaccine Intervention

- Establishing Truth with the community
- Treating the source of vaccine misinformation
- Have an effective social media communications strategy
- Involve faith leaders, Muslim doctors, and researchers to convey the message
- Use emotional, personal messages, and stories are most effective
- Representation- Have translators at a doctor's offices
- EDUCATION IS THE KEY



April 2014

# Bridging the Gap





# Discussion

- **What are the implications you have learned for each population?**
- **What does your organization need to do to be ready to promote when the health department comes forth with specific information about the vaccine?**

# References

- Ahmed, A., Lee, K., Bukhsh, A., Al-Worafi, Y., Sarker, M., Ming, L., & Khan, T. (2017, October 04). Outbreak of vaccine-preventable diseases in Muslim majority countries. Retrieved November 27, 2020, from <https://www.sciencedirect.com/science/article/pii/S1876034117302411>
- Alqufly, A., Alharbi, B., Alhatlany, K., & Alhajjaj, F. (2019, May). Muslim female gender preference in delaying the medical care at emergency department in Qassim Region, Saudi Arabia. Retrieved November 27, 2020, from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6559098/>
- Anderson, E. (2014). Recommended solutions to the barriers to immunization in children and adults. Retrieved November 27, 2020, from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6179470/>
- Angelmar, R., & Morgon, P. (2013, October). Vaccine Marketing. Retrieved from [https://link-springer-com.libweb.ben.edu/chapter/10.1007%2F978-1-4614-7801-0\\_13](https://link-springer-com.libweb.ben.edu/chapter/10.1007%2F978-1-4614-7801-0_13)

# References

- Attum, B. (2020, July 08). Cultural Competence in the Care of Muslim Patients and Their Families. Retrieved November 27, 2020, from <https://www.ncbi.nlm.nih.gov/books/NBK499933/>
- Bertoncello, C., Ferro, A., & Zanovello, S. (2020, May 08). Socioeconomic Determinants in Vaccine Hesitancy and Vaccine Refusal in Italy. Retrieved from file:///Users/aliciagentile/Downloads/vaccines-08-00276.pdf
- Blakemore, E. (2017, September 27). The Brutal History of Anti-Latino Discrimination in America. Retrieved November 29, 2020, from <https://www.history.com/news/the-brutal-history-of-anti-latino-discrimination-in-america>
- Budiman, A., Tamir, C., Mora, L., & Noe-Bustamante, L. (2020, October 01). Immigrants in America: Key Charts and Facts. Retrieved November 29, 2020, from <https://www.pewresearch.org/hispanic/2020/08/20/facts-on-u-s-immigrants/>
- China Population (LIVE). (n.d.). Retrieved November 28, 2020, from <https://www.worldometers.info/world-population/china-population/>

# References

Community Preventive Services Task Force. (2015). Increasing Appropriate Vaccination: Community-Based Interventions

Implemented in Combination. Retrieved from

<https://www.thecommunityguide.org/sites/default/files/assets/Vaccination-Community-Based-in-Combination.pdf>

COVID Collaborative, Langer Research, UnidosUS, & NAACP. (2020). *COVID Collaborative Survey: Coronavirus Vaccination Hesitancy in the Black and Latinx Communities*. Langer Research Associates.

Daniels, N. A., Juarbe, T., Rangel-Lugo, M., Moreno-John, G., & Pérez-Stable, E. J. (2004). Focus group interviews on racial and ethnic attitudes regarding adult vaccinations. *Journal of the National Medical Association*, 96(11), 1455.

Dubé, E., Laberge, C., Guay, M., Bramadat, P., Roy, R., & Bettinger, J. (2013, August). Vaccine hesitancy: An overview.

Retrieved November 30, 2020, from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3906279/>

# References

- Gagneur, A. (2020, April). Motivational interviewing: A powerful tool to address vaccine hesitancy. Retrieved November 27, 2020, from <https://pubmed.ncbi.nlm.nih.gov/32281992/>
- García, M. T. (2018). *The Latino Generation: Voices of the New America*. Univ of North Carolina Press.
- Global Perspectives: A Remote Sensing & World Sensing Site. (2018). Retrieved November 28, 2020, from <http://www.cotf.edu/earthinfo/sasia/SApeo.html>
- Hasman, A., & Noble, D. (2016, September). Childhood immunisation in South Asia - overcoming the hurdles to progress. Retrieved November 29, 2020, from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4989267/>
- Jamison, A. M., Quinn, S. C., & Freimuth, V. S. (2019). “You don't trust a government vaccine”: Narratives of institutional trust and influenza vaccination among African American and white adults. *Social Science & Medicine*, 221, 87-94.

# References

- Krogstad, J., & Gonzalez-Barrera, A. (2015, March 24). A majority of English-speaking Hispanics in the U.S. are bilingual. Retrieved November 29, 2020, from <https://www.pewresearch.org/fact-tank/2015/03/24/a-majority-of-english-speaking-hispanics-in-the-u-s-are-bilingual/>
- Mansour, Z., Hamadeh, R., Rady, A., Danovaro-Holliday, M., Fahmy, K., Said, R., . . . Ammar, W. (2019, January 14). Vaccination coverage in Lebanon following the Syrian crisis: Results from the district-based immunization coverage evaluation survey 2016. Retrieved November 27, 2020, from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6332691/>
- McKee, C., & Bohannon, K. (2016). Exploring the Reasons Behind Parental Refusal of Vaccines. Retrieved November 30, 2020, from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4869767/>
- Patel, A. (2019, November 11). Combatting Vaccine Hesitancy |. Retrieved November 29, 2020, from <https://frontiersmag.wustl.edu/2019/11/11/combating-vaccine-hesitancy/>

# References

- Pearson, W., Zhao, G., & Ford, E. (2011). An Analysis of Language as a Barrier to Receiving Influenza Vaccinations among an Elderly Hispanic Population in the United States. Retrieved November 27, 2020, from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3169338/>
- Pelčić, G., Karačić, S., Mikirtichan, G., Kubar, O., Leavitt, F., Cheng-Tek Tai, M., . . . Tomašević, L. (2016, October 31). Religious exception for vaccination or religious excuses for avoiding vaccination. Retrieved November 29, 2020, from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5141457>
- Reuters. (2019, November 04). Survey: Trump's immigration rhetoric is negatively impacting Latinos' health. Retrieved November 29, 2020, from <https://www.nbcnews.com/news/latino/survey-trump-s-immigration-rhetoric-negatively-impacting-latinos-health-n1076011>

# References

Sawe, B. (2020, September 14). What Languages Are Spoken in China? Retrieved November 28, 2020, from

<https://www.worldatlas.com/articles/what-languages-are-spoken-in-china.html>

Sabahelzain, M. M., Moukhyer, M., Dubé, E., Hardan, A., van den Borne, B., & Bosma, H. (2019). Towards a further understanding of measles vaccine hesitancy in Khartoum state, Sudan: A qualitative study. *PLOS ONE*, 14(6), e0213882.

<https://doi.org/10.1371/journal.pone.0213882>

Textor, P., & 17, N. (2020, November 17). China: Population by gender 2018. Retrieved November 28, 2020, from

<https://www.statista.com/statistics/251129/population-in-china-by-gender/>

The State of Religion in China. (2019). Retrieved November 28, 2020, from <https://www.cfr.org/backgrounder/religion-china>

# References

- Traditional, Complementary and Integrative Medicine. (n.d.). Retrieved November 29, 2020, from <https://www.who.int/southeastasia/health-topics/traditional-complementary-and-integrative-medicine>
- Unicef. (2018, May 24). Syrian Arab Republic: Education. Retrieved November 27, 2020, from <https://www.unicef.org/syria/education>
- Warren, R. C., Forrow, L., Hodge Sr, D. A., & Truog, R. D. (2020). Trustworthiness before Trust—Covid-19 Vaccine Trials and the Black Community. *New England Journal of Medicine*.
- Winston, K. I. (2016). Medical Community Distrust and the Influenza Vaccination Rates of Black Americans.
- Wolynn, T. (2020). Vaccine Delay. Retrieved November 30, 2020, from <https://kidspluspgh.com/doctors-notes/vaccine-delay/>

# References

World Health Organization. (2014). Strategies for Overcoming Vaccine Hesitancy - A Systematic Review. Retrieved from

[https://www.who.int/immunization/sage/meetings/2014/october/3\\_SAGE\\_WG\\_Strategies\\_addressing\\_vaccine\\_hesitancy\\_2014.pdf](https://www.who.int/immunization/sage/meetings/2014/october/3_SAGE_WG_Strategies_addressing_vaccine_hesitancy_2014.pdf)

Xiao, X., & Borah, P. (2020). Do Norms Matter? Examining Norm-Based Messages in HPV Vaccination Promotion. Retrieved from

Do Norms Matter? Examining Norm-Based Messages in HPV Vaccination Promotion

Yang, R., Penders, B., & Horstman, K. (2019, December 20). Addressing Vaccine Hesitancy in China: A Scoping Review of Chinese

Scholarship. Retrieved November 29, 2020, from <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7157208/>