



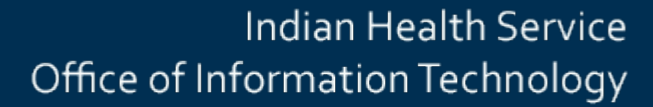
Welcome to IHS COVID-19 Response Vaccine Webinar Series

**This Session Will Begin at
12:30 PM Mountain Time**

Reminders

- Please MUTE your phone and computer microphone when not speaking.
- Please DO NOT place your phone on HOLD during the call. Music will play into the session and is heard by everyone.

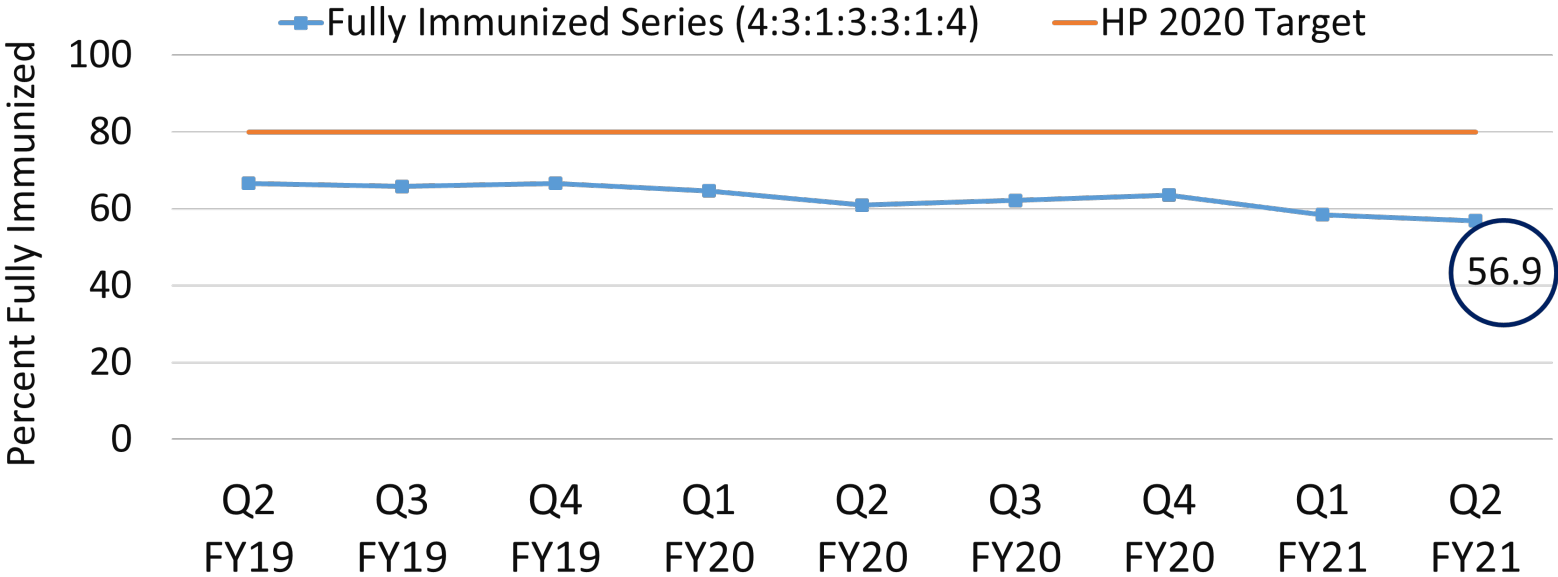


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Two-Year-Old Immunization Coverage Rate National FY 2019 Q2 - FY 2021 Q2

Two-Year-Old Immunization Coverage Rate - National
FY 2019 Q2 - FY 2021 Q2
Last updated 05/04/21





Components

- Short-term, National Improvement Initiative May - September 2021
 - Led by multi-disciplinary team VTF members & Subject Matter Experts across IHS
- Monthly webinar series hosted by TBHCE on the 3rd Wednesday in each month
 - Recording: [Addressing Pediatric Immunizations within Indian Health Service](#)
 - Most recent Webinar held June 16, 2021
- **Technical, OIT-led “COVID-19 Response Vaccine Webinar Series” to focus on RPMS EHR, Immunization Package, iCare, and Health Information Technology**
- IHS Blog posts discussing promising approaches to improving immunizations
- Quality Improvement Collaborative hosted by Office of Quality using the Accelerated Innovations and Model for Improvement (AIMI) website to collect a family of outcome and process measures to track progress weekly
- Pediatric Immunization Toolkit—developed by the IHS National Immunization Program
- Implementation assistance from Nursing, PHN and Pharmacy SMEs



How Can You Support This Effort?

Area Office Level

- Reach out to clinic directors, nursing directors, pharmacy directors and Healthcare Improvement Professionals to engage with this collaborative improvement effort
- Reach out to Tribes, Tribal organizations, and Tribal Epidemiology Centers to work with sites that do not use RPMS to enlist their support for monitoring and reporting pediatric immunization coverage

Facility Level

- Work with Clinical Informaticists, Health Informaticists, and IT specialists to ensure that RPMS packages are installed and optimized at your site
- Work with State Health Departments to develop/troubleshoot two-way data exchange between RPMS and State Immunization Information Systems
 - May require developing Data Sharing Agreements



IHS Pediatric Vaccination and The Pandemic Part I



Presented By...

CAPT (ret) Scott Hamstra, MD

Pediatrics

Pediatrics Infectious Disease

Medical Informatics



Course Materials & Recordings

- Download the resources available in the File Pod (if applicable).
- Recorded training modules and Course Materials can be found at:
- <https://www.ihs.gov/rpms/training/recording-and-material-library/>



Post-Course Evaluation

- It is important that you participate in the post-course survey.
- Your anonymous feedback is **KEY** to ensuring these OIT-provided training sessions are effective.
- Completing the survey is the only way to receive your certificate for attending training today.
- <https://www.surveymonkey.com/r/HSV6DL>





Disclaimers

- **The data displayed is test/demo data. Office hours may display live patient data. In such event, the presenter will make an announcement and ask any participants that do not have need to know to drop off prior to displaying any live data. When live data is present, all the participants must be there for “Need to Know” only and must be identified through proper name in the Attendee pod.**
- The names are collected for attendance and certification purposes and displayed in the Attendees pod (Reference: Privacy and Personal Information Protection Act 1998 No 133).
- OIT may record this session. To provide adequate security measures and prevent disclosure of sensitive information, each recording is reviewed and edited prior to publishing. The recording will be made available for on-demand viewing once security and management controls are in place.
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- **Note: Screenshots may be difficult to read details. Intended use is for examples only.**



IHS COVID-19 Response Vaccine Webinar Series

Sponsored by...

- IHS COVID-19 Vaccine Task Force (**VTF**)
- IHS COVID-19 Vaccine Data Management Workgroup
- IHS COVID-19 Vaccine Administration Workgroup (**VAWG**)
- IHS National Council of Informatics (**NCI**)
- IHS Office of Information Technology (**OIT**)



IHS COVID-19 Response Vaccine Task Force Deputy Leads

- **CDR Kailee Fretland, PharmD, BCPS**
Red Lake Hospital Pharmacy Director
- **CDR Holly Van Lew, PharmD, BCPS**
National IHS Residency Director
Phoenix Indian Medical Center



IHS COVID-19 Response Vaccine Data Management Workgroup

- **Andrea J. Scott, MBA-HCM, BS, FAC-P/PM,SR, FAC-COR III**
CDR, United States Public Health Service
IHS Deputy Chief Information Officer/Deputy Director OIT
Indian Health Service HQ
- **Susan E. Ducore, DNP, MSN, RN, PHN**
Area Nurse Consultant/Project Officer
Immunization Coordinator
IHS California Area/Office of Public Health



IHS COVID-19 Response

Office of Information Technology

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Sponsored By...

IHS Vaccine Administration Workgroup

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IHS-HQ Women's Health/APN Consultant
Critical Care Response Team Project Manager
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Director, Division of Nursing Services
Office of Clinical and Preventive Services
Indian Health Service Headquarters
- **CDR Angela Fallon, MBA, RN**
Deputy Director
Office of Clinical and Preventive Services
Indian Health Service Headquarters



Sponsored By...

IHS National Council of Informatics (NCI)

- **CAPT Amy Rubin, PharmD, MMI, CHTS-IS**

Chair National Council of Informatics

Clinical Informatics Coordinator

Oklahoma City Area Indian Health Service

- **CDR Donnie Hodge, PharmD, MS**

Vice Chair National Council of Informatics

Clinical Informatics Coordinator

Claremore Indian Hospital

Oklahoma City Area Indian Health Service



IHS COVID-19 Response Vaccine Webinar Series Educational Encounters

Month & Year	# Webinar Activities	# Educational Encounters
November 2020	9	1968
December 2020	27	4275
January 2021	6	394
February 2021	8	758
March 2021	7	517
April 2021	9	670
May 2021	7	453
June 2021	9	739
Total	82	9,774



IHS COVID-19 Response Webinar Series

Pediatric Immunization Improvement Project (June)

June 2021	Topic	Presenter
Jun 01	Vaccine Consent for Minors	Heather McClane, MBA
Jun 03	Vaccine Consent for Minors (Enhanced)	Heather McClane, MBA
Jun 08	Vaccine Privacy Concerns	Heather McClane, MBA
Jun 10	Immunization Provider Onboarding & Setup	CAPT Wil Darwin
Jun 15	Immunization Provider Cleanup	CDR John Lester
Jun 17	Immunization Tracking System (BI) – Part 1	CAPT Suryam Palanki
Jun 22	VAERS Reporting & Adolescent Myocarditis	CAPT Matthew Clark
Jun 24	Immunization Tracking System (BI) – Part 2	CAPT Suryam Palanki
Jun 29	IHS Vaccines and HIT Progress Across Three Decades	CAPT (ret) Scott Hamstra



IHS COVID-19 Response Webinar Series

Pediatric Immunization Improvement Project (July)

July 2021	Topic	Presenter
Jul 01	COVID19 Pandemic & Pediatric Vaccine Improvement – Health Information Technology Perspective – Part 1	CAPT (ret) Scott Hamstra
Jul 08	Immunization Provider Cleanup – Part 2 (Reports)	CDR John Lester
Jul 13	National Immunization Reporting System (NIRS)	LCDR Leatrice Begay
Jul 15	National Immunization Reporting System (NIRS)	LCDR Leatrice Begay
Jul 22	COVID19 Pandemic & Pediatric Vaccine Improvement – Health Information Technology Perspective – Part 2	CAPT (ret) Scott Hamstra
Jul 24		
Jul 27	National Immunization Reporting System (NIRS)	LCDR Leatrice Begay
Jul 29	National Immunization Reporting System (NIRS)	LCDR Leatrice Begay



IHS COVID-19 Response Webinar Series

Pediatric Immunization Improvement Project (Aug)

Aug 2021	Topic	Presenter
Aug 03		
Aug 05	COVID19 Pandemic & Pediatric Vaccine Improvement – Health Information Technology Perspective – Part 3	CAPT (ret) Scott Hamstra
Aug 10	Immunization Data Exchange (BYIM) - Part 1	CAPT Suryam Palanki
Aug 12	Immunization Data Exchange (BYIM) - Part 2	CAPT Suryam Palanki
Aug 17		
Aug 19		
Aug 24	EHR Reminder Dialog Template & Superbill Associations	CDR John Collins & Teresa Chasteen
Aug 26		
Aug 31	EHR Reminder Dialog Template & Superbill Associations	CDR John Collins & Teresa Chasteen



IHS COVID-19 Response Webinar Series

Pediatric Immunization Improvement Project

- iCare Reporting
- HL7 Messaging
- CPT Code Maintenance
- CVX Code Maintenance
- Lot # Maintenance
- Superbill Associations & Reminder Dialog Templates
- Historical Immunization Documentation
- Refusals
- AIMI Analytics Quality Improvement



IHS Pediatric Vaccination and The Pandemic Part I (con't)



Presented By... (con't)

CAPT (ret) Scott Hamstra, MD

Pediatrics

Pediatrics Infectious Disease

Medical Informatics



Key Points

- State of the Pre-Pandemic Vaccine World 2020
 - Pediatric Vaccine Rates
- The 2020 Pandemic
 - Impact on Vaccine Rates
- State of the Vaccine World 2021
 - Pediatric Vaccine Challenges

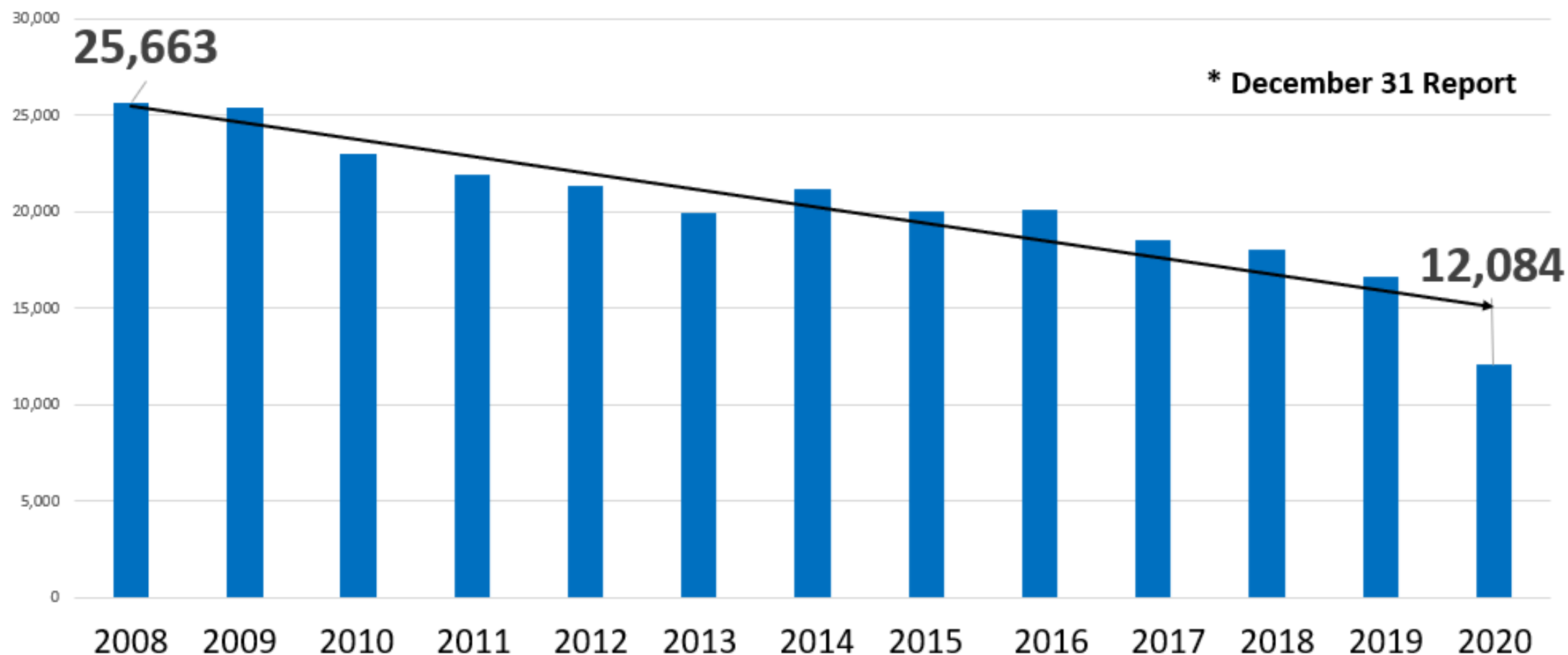


Entering 2020

- Incredible Vaccine Progress across **Three Decades** since 1990
- Pediatric Vaccine Resources = Best in History! (More - Better –Safer)
 - **Vaccines**
 - Infant & Toddler - 4313314 + Rotavirus, Hep A and Flu
 - Teens - Tdap, HPV, MCV4, Men B + Flu
 - **Digital Resources**
 - Local RPMS == > IMM – BYIM – iCare – EHR
 - National == > NIRS – NDW
 - Outside Partners
 - State IIS – VFC -- AIRA
 - Internet & Cloud

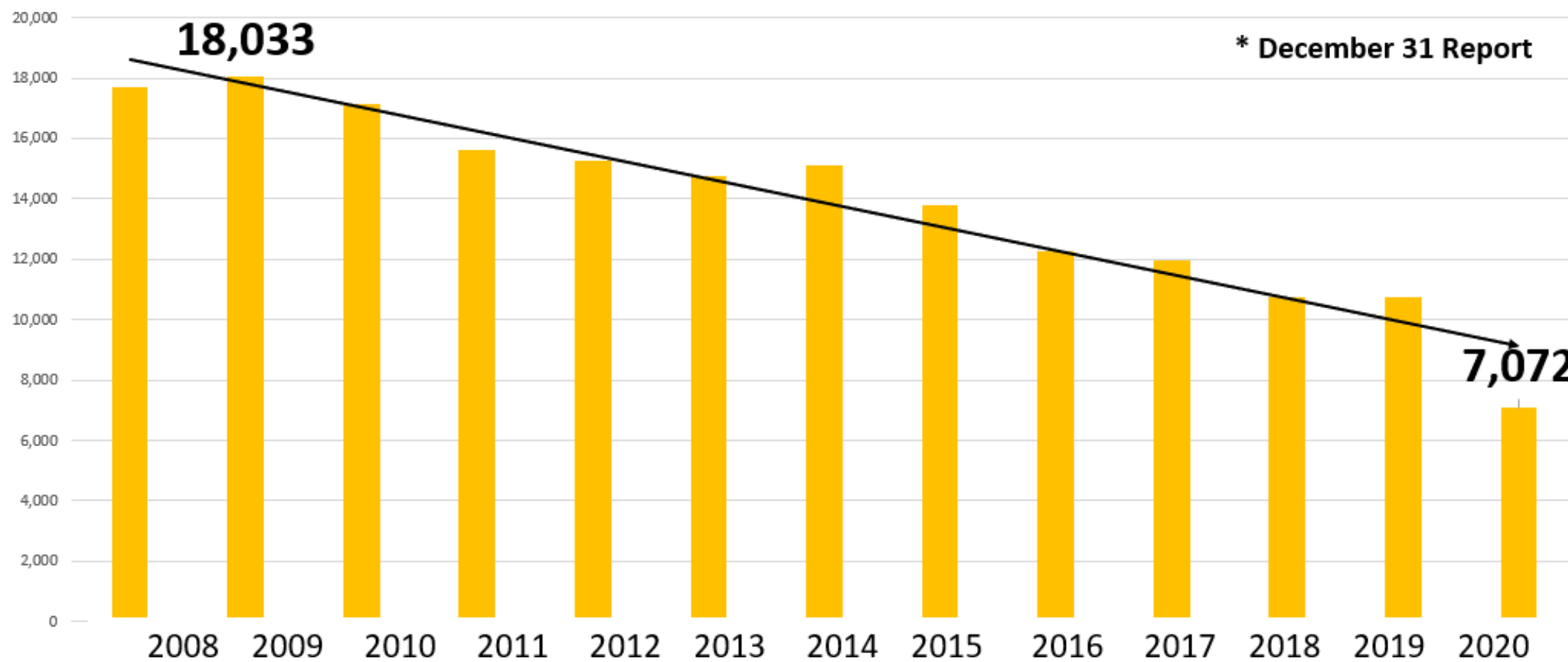


NIRS National Two-Year-Old Report Denominator*



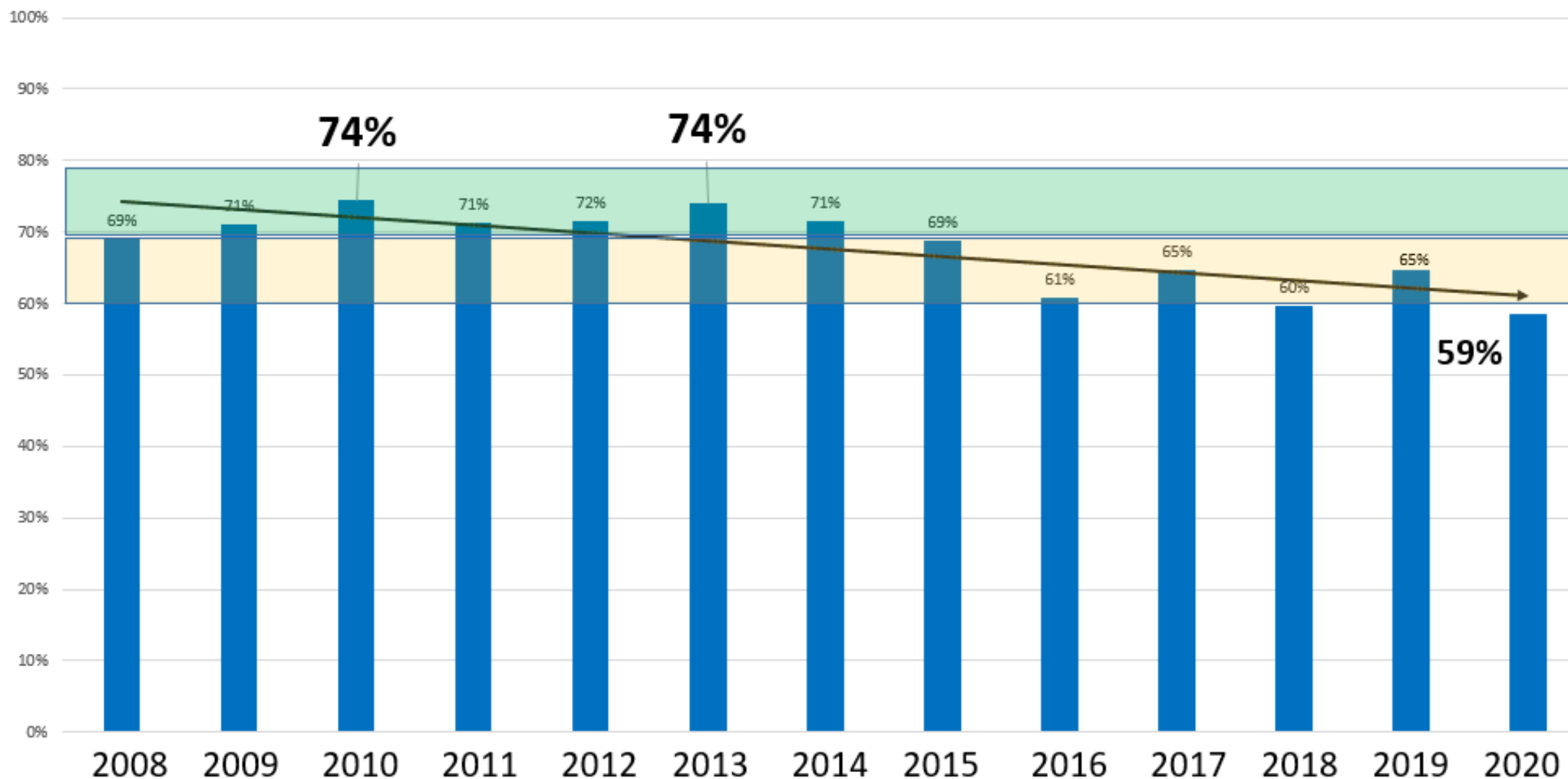


NIRS National Two-Year-Old Report Denominator* (con't)





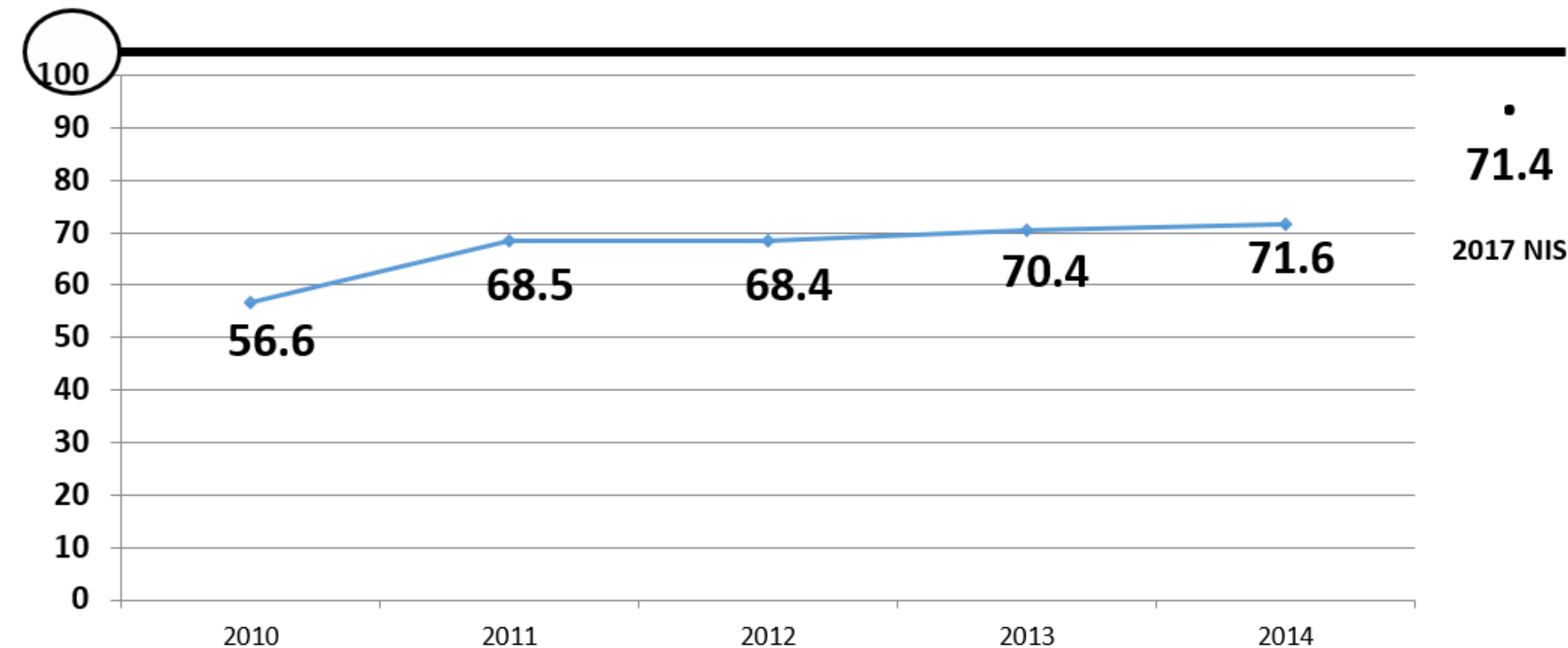
NIRS National 431334 Vaccine Rate





Low 4313314 Rates Across the USA

Past decade stagnant << 80% Goal



Despite:

- Lots of Good Organizations
- Lots of Good Efforts
- Lots of Expense



Pandemic Disrupted Clinic & Vaccinations

Infant & Toddlers <24 Months	March – April - May	June – July – August - September
DTaP Doses		
Declined	15.7%	9.1%
MMR Doses		
Declined	22.4%	8.8%



3–27 Months Workload, Timing & Pandemic

USA BIRTHS 11,000/DAY == > 75,000/WEEK

Daily 11,000 also turn 2m & 4m & 6m & 12m & 18m ages

TOTAL = 66,000 Infant/Toddler Vaccine Visits/DAY

== > 450,000/WEEK

Each Monday playing catch up – 2 days missed (Sat/Sun)

Pandemic: Missed Not Days, Not Weeks, but Months

HUGE CHALLENGE to CATCH UP



2021 STRATEGIES

Think “ICU” for Vaccines

Recent Presentations Highlighted RPMS Tools

- **Weekly**

- Use RPMS – IMM & iCare

- **Focus Options**

- IMM REP 3–27 Month Old Quarterly report
- IMM PAT LLS – Lists and Letters



2021 STRATEGIES “ICU Like Vax Monitoring”

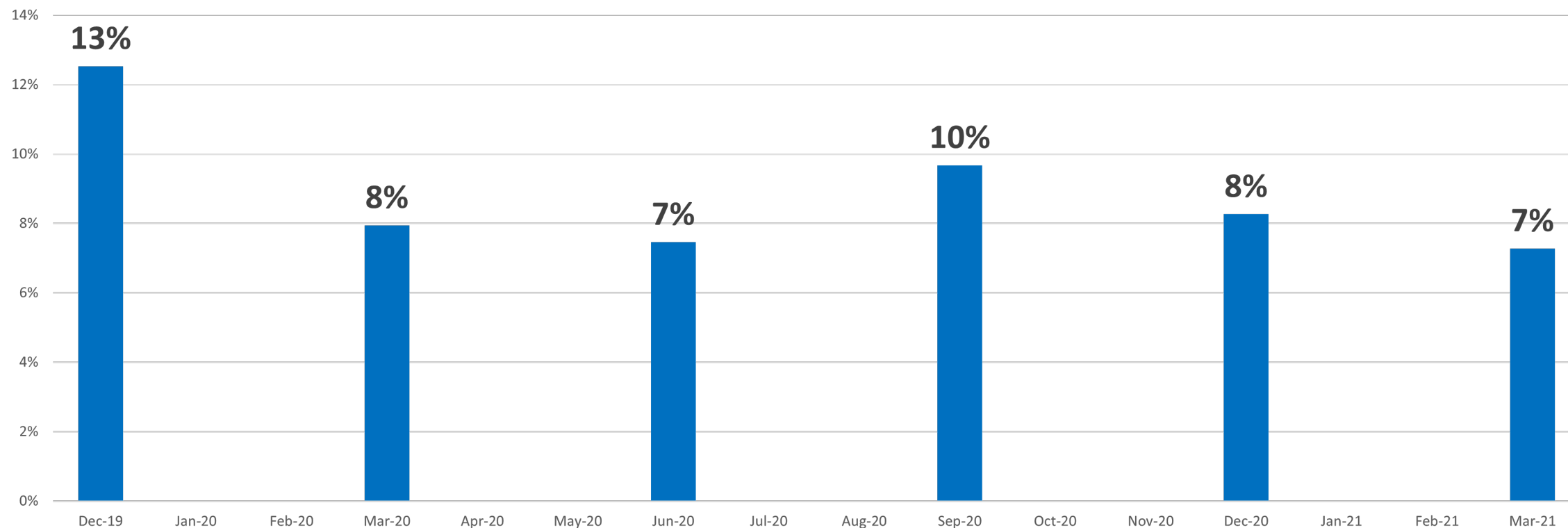
Weekly...

- IMM PAT LLS – Lists and Letters
 - Infants / Toddlers Highest Risk - Highest Number of Vaccines
 - Missed both Well Child Exams & Vaccines
- Select Age Range & Past Due == > Suggest Two Groups
 - 6–11 months: Past Due == > 4 m “List”
then progress to shorter == > 3 m == > 2 m == > 1 m
 - 12–35 months: Past Due == > 12 m
then progress to shorter == > 9 m == > 6 m == > 3 m



Vaccine Hesitancy Refusals & Declinations

19–35 Month Old Documented Refusals





Teen & Adult Refusals

	Adolescent 13-17	Adult
Denominator	61,845	445,303
Documented Refusals	13,994	106,576
Refusal Rate	23%	24%



Refusals - Declinations - Hesitancy = > Enhance

Dual Goal

- Increase Vaccine Confidence
- Decrease Vaccine Hesitancy
 - Added Granularity to Data Will Help

Refusal Data Elements

- Vaccine Specific
 - Historically – Flu Vaccine High Refusals
- Reasons
 - Safety?
 - Effectiveness?
 - Disease Risk?



Effective Communication with Hesitant Parents C.A.S.E. Approach

Corroborate: acknowledge the parents' concern and find some point on which you can agree.

About me: describe what you have done to build your knowledge base and expertise.

Science: describe what the science says.

Explain/Advise: give advice based on science.



C.A.S.E Example

“I’ve Heard on TV that Vaccines Cause Autism”

Corroborate: There’s a lot on TV, radio, and internet about vaccines and autism so I can understand why you have questions.

About me: I always want to make sure that I’m up on the latest info and do what’s best for my patients so I’ve researched this thoroughly.

Science: Scientific evidence does not show a causal link. The CDC, AAP and NIH all reviewed the data, and all have the same conclusion. Dozens of studies have been done. None show a link.

Explain/Advise: Vaccines are key to maintaining health and well being. They stop bad diseases. Choosing not to vaccinate doesn’t protect babies from autism but does leave them open to diseases. Kids need these vaccines.



Request – Help – Innovation – Vision - Ideas

Goal = Accurate Timely Feedback

- Leverage 21st century technology
- Share what data you find works & Ideas Think 2030
 - If you can do it manually
 - Then it's possible for a computer to do the work
 - On Demand == > Push a Button, Click a Link
 - Automatic == > Brought to your front door

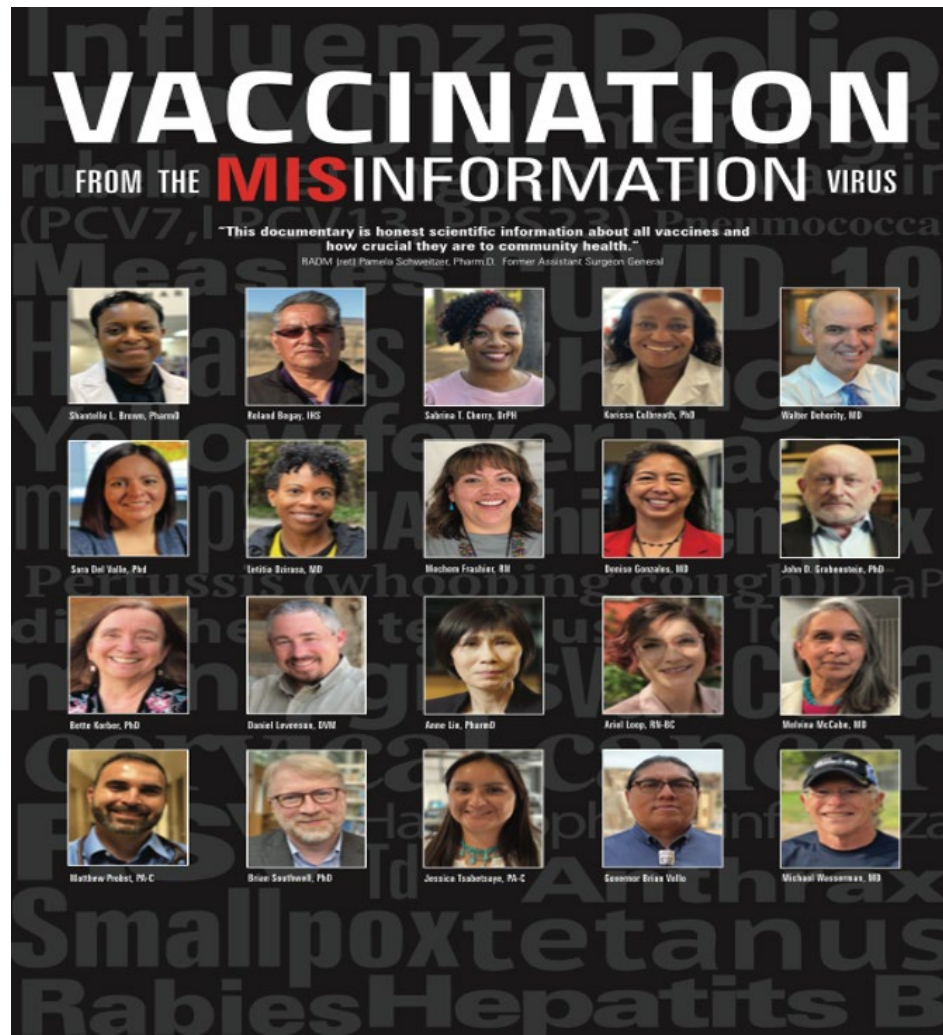
Goal = Transform Data into Information (Actionable)

- Dashboards “At-a-Glance” Visualization



Documentary Film

<https://vimeo.com/566736953>



Documentary Film
July 2021 NM & AZ
---then PBS

Short Trailer



OPTIONS FOR OUTREACH

(See list of materials available / contact Chris@ChristopherProductions.org)

Host documentary screening (“premiere” for your area).

Partner with local organizations: Colleges, Schools, Classes, PTA, Service Clubs, Nurses group, Pediatric Society, City/Community Agency, Faith Community, etc.

Locate a venue / date (perhaps one of your partners)

Agenda with Q&A after (perhaps hosted by youth)

Market the event: Press Release / Invitations / Media

*(Depending on location and date, **experts from the film** may be available in your area – let us know and we’ll help)*

Distribute Materials:

Post Materials on your local Web Site

Reach out to: Local Health Officials/Departments, Colleges, School Nurses, School Based Health Centers, PTA’s, Pediatricians Groups, Hospital Groups, Others

Offer Materials / Expertise for Q&A

Social Media Outreach

Add your logo/info to short vids and PSA’s

Post short videos and PSA’s on all social media
#themisinformationvirus

MATERIALS AVAILABLE

DOCUMENTARY 60 and 60+ minute versions
For screenings, film festivals and broadcast (56:46 min)

SHORTENED VERSION 20 and 40 minute lengths
For presentations with 30 min or 60 min window to include Q&A time.

LIFT OUT VIDEOS 1 to 3 minutes each
Can be tagged with sponsor logo/info
Short videos created from the documentary highlighting a specific issue.
Targeted videos for use by health professionals and educators.

INFORMATIONAL PROMOS :15 to :60 seconds each
Can be tagged with sponsor logo/info
For partner websites, social media and for broadcast promotion.

NEWS STORIES
Downloadable links for local media use of all elements above

CURRICULUM/ VIEWER GUIDE
Turnkey guide for classrooms / faith communities / organizations to accompany a documentary screening.

PRODUCTION WEB SITE
vaccinationfromthemisinformationvirus.info
Includes downloads for videos and guides, resources, marketing tools.

Materials



Questions & Discussion