

# **Leveraging IIS and IQIP Strategies to Enhance Vaccine Coverage Rates**



**San Antonio Metropolitan Health District  
Immunization Program- IIS IQIP  
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# Agenda

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- Texas Immunization Registry
- Responsibilities of San Antonio Metropolitan Health District (Metro Health)
- Immunization Quality Improvement for Providers
- IIS IQIP Design and Implementation
- Results of IIS and IQIP Collaboration
- Limitations
- Conclusion

# Texas Immunization Registry (TIR)



## Texas Immunization Registry (ImmTrac2):

- Operated under the Texas Department of State Health Services (DSHS)
- Opt-in registry
- Designed as a lifetime registry for maintaining immunization records



# Metro Health



## Responsibilities:

- Supporting the TIR within the jurisdiction
- Promoting increase participation in the TIR
- Providing education on effectively using the Registry
- Monitoring immunization data submission

# Immunization Quality Improvement for Providers (IQIP)



IQIP is the CDC's national, VFC provider-level immunization quality improvement program.

IQIP promotes and supports implementation in provider-level strategies designed to increase on-time vaccination of children and adolescents.

## Core Strategies:

Facilitate return for vaccination

Leverage IIS functionality to improve immunization practice

Give a strong vaccine recommendation

Strengthen vaccine communications

# Challenges in Immunization Coverage

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- Incomplete Data Reporting
- System Interoperability
- Provider Utilization
- Managing Client Status



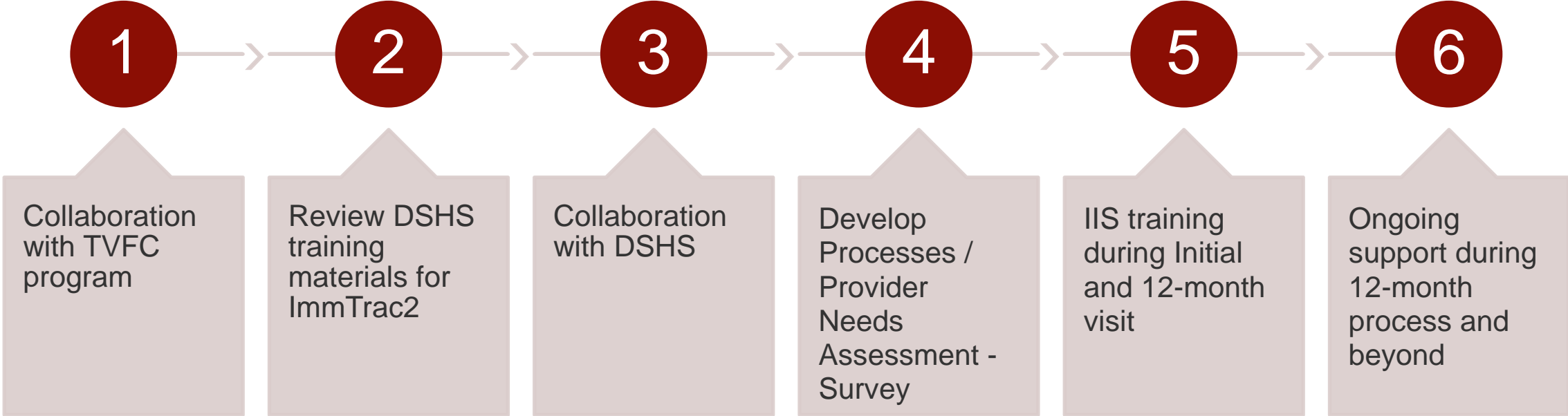
# IIS IQIP Objectives

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- Leveraging the IIS functionality
- Providing ImmTrac2 education
- Improving Immunization data quality
  - Using coverage rates as proxy

# IIS IQIP Design and Implementation



# Prior to IQIP Visit:



## Review DSHS reports

- Coverage Rate Report
- Accountability Report
- Provider Activity Report

## Generate ImmTrac2 reports

- Texas Immunization Provider Summary
- Client and Immunization Count by Organization
- Ad Hoc List Report
  - Demographic Completeness Review

# Initial and 12-month IQIP Visits



- Leveraging IIS functionality
- Tailored on-site training
  - DSHS reports
  - ImmTrac2 reports
- IIS IQIP strategies
  - Reporting Administered Immunizations
  - Reporting Historical Immunizations
  - Managing client status
- Data exchange errors
- Additional ImmTrac2 education
- ImmTrac2 Navigation Demonstration
- Address Accuracy Review

# IQIP Process and Beyond


- ImmTrac2 Basic and Reports training
- In-Person/Virtual trainings for large orgs
- Email/phone assistance
- Assisting with registration and renewal
- Monitoring data submission
- Monitoring Data Exchange Onboarding Process
- Facilitate meetings with DSHS Interoperability Team or support teams

# How Do We Measure Improvement?

## Immunization Coverage Rates

- Childhood vaccines – rates include all active, consented clients aged 24 months to 35 months
  - DTaP, Polio, MMR, Hib, HepB, Varicella, PCV, Series
- Adolescent vaccines – rates include all active, consented clients aged 13 years old
  - Tdap, MCV4, HPV





**Texas Immunization Quality Improvement for Providers (IQIP)**  
Coverage Rate Report  
March 2024 to February 2025

**San Antonio Provider**  
ImmTrac Org Code:  
TVFC PIN: 000000

### Childhood Vaccines


	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Patients Assessed	1,067	1,077	1,079	1,086	1,084	1,096	1,101	1,113	1,138	1,135	1,134	1,168
DTaP	61%	62%	60%	62%	62%	62%	62%	61%	60%	61%	61%	60%
Polio	78%	78%	77%	78%	78%	79%	79%	79%	79%	80%	81%	82%
MMR	80%	81%	81%	83%	86%	86%	87%	86%	85%	83%	81%	79%
Hib	79%	80%	79%	80%	79%	79%	80%	78%	77%	76%	76%	75%
HepB	80%	79%	78%	79%	79%	79%	79%	79%	79%	80%	79%	79%
Varicella	84%	84%	84%	86%	87%	86%	87%	86%	84%	82%	81%	79%
PCV13	73%	73%	73%	75%	76%	76%	76%	76%	75%	75%	74%	72%
Series	50%	50%	50%	51%	53%	54%	53%	53%	52%	51%	50%	47%
Flu, UTD	22%	21%	21%	22%	22%	23%	24%	23%	23%	23%	24%	24%
Series w/ Flu	14%	13%	13%	14%	14%	15%	16%	16%	16%	16%	16%	16%

### Adolescent Vaccines

	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Patients Assessed	431	423	453	460	465	469	479	494	508	506	506	501
Tdap	91%	90%	90%	92%	91%	91%	90%	90%	90%	90%	89%	89%
MCV4	89%	89%	90%	91%	90%	91%	90%	90%	90%	89%	89%	88%
HPV	30%	30%	31%	30%	30%	30%	29%	29%	28%	26%	26%	26%
HPV, 1 dose	67%	65%	65%	65%	65%	64%	62%	61%	59%	58%	56%	56%

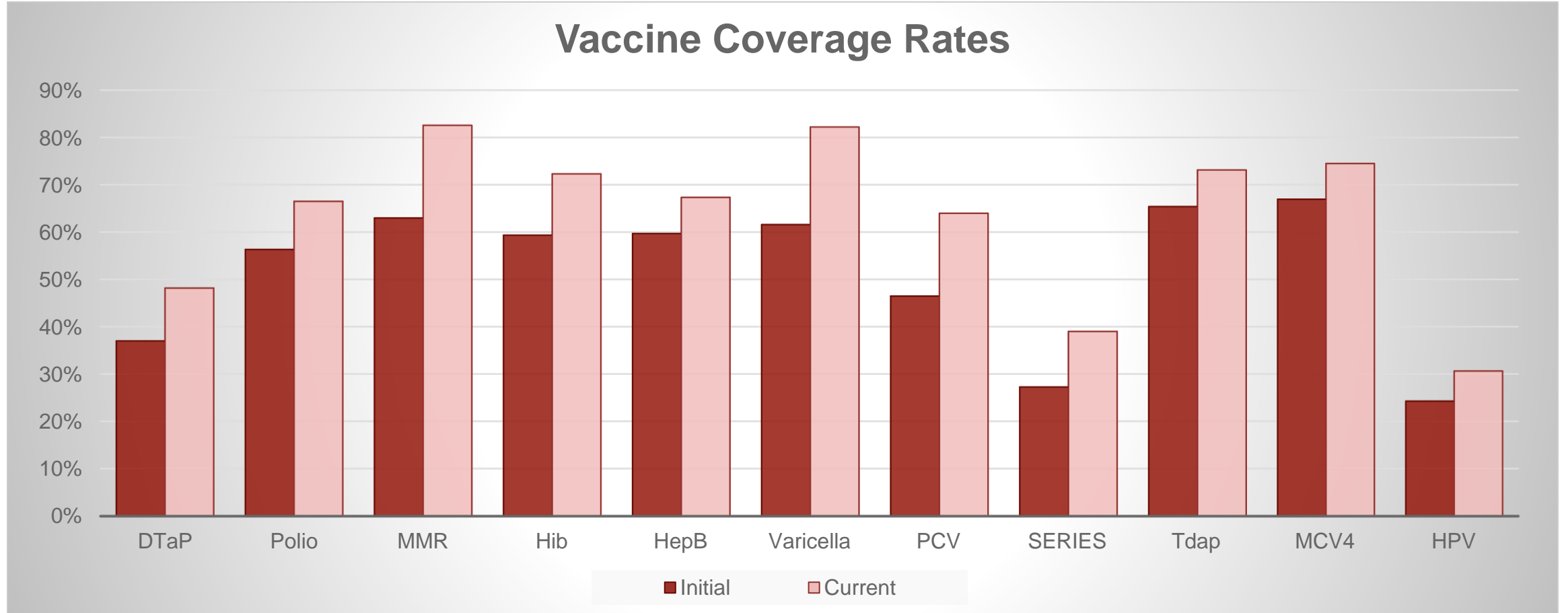
Data in this reports reflect immunizations given on or before the last day of the month and records accepted into ImmTrac2 as of the day the data was run. Coverage rates reflect valid doses received on or before the assessment age (2 or 13 year birthday) according to the IQIP's measurement for each vaccine type. Valid doses are those that meet the current ACIP recommendations for minimum age and minimum interval.

Childhood vaccine measurements: 4 valid doses of DTaP, 3 valid doses of IPV, 1 valid dose of MMR, Up to Date (UTD) for Hib, UTD for HepB, 1 valid dose of Varicella, UTD for PCV13. Hib, HepB, and PCV13 call for a UTD calculation to reflect varying requirements for numbers of doses needed, including ACIP catch-up schedules. 4:3:1:3\*:3:1:4 series coverage rates is also calculated (≥4 doses of DTaP, ≥3 doses of Polio, ≥1 dose of MMR, ≥3 doses of Hib (\*3 or 4 doses depending on vaccine type), ≥3 doses of HepB, ≥1 dose of Var, ≥4 doses of PCV). Number of age-eligible patients assessed (denominator): 2-year-olds (consented clients 24 thru 35 months old with at least one valid dose in ImmTrac2 administered on or before their 2nd birthday). Adolescent vaccine measurements: 1 valid dose of Tdap, 1 valid dose of MCV4, 2 doses (UTD) of HPV, 1 dose of HPV (initiated series). Number of age-eligible patients assessed (denominator): 13-year-olds (consented clients 13 years old with at least one valid dose in ImmTrac2 administered on or before their 13th birthday).



IMMUNIZATION QUALITY IMPROVEMENT FOR PROVIDERS

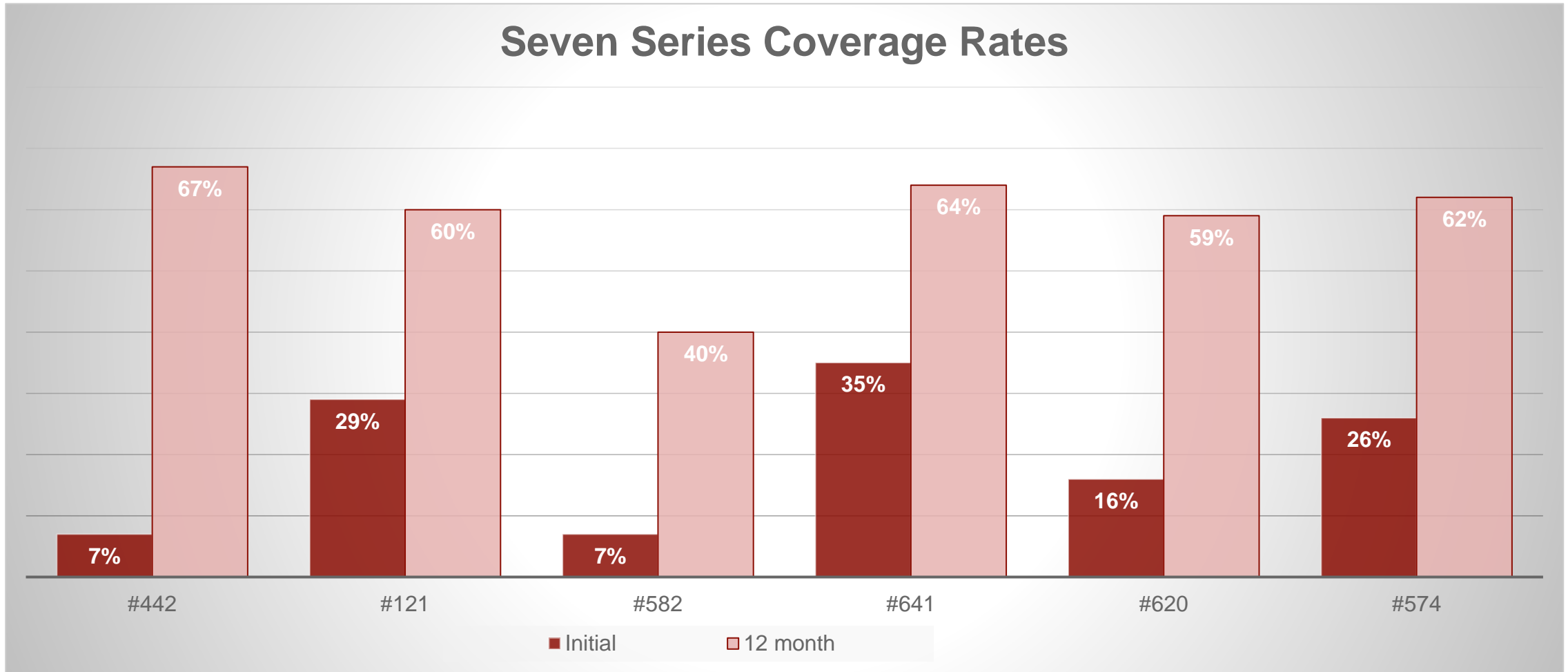
# Initial vs Current Coverage Rates After IIS IQIP Intervention



# Organizations that implemented multiple IIS strategies



Seven Series Coverage Rates



# Results of IIS IQIP



- TVFC providers in Bexar county – 143
- Initiated TVFC IQIP with IIS IQIP training – 100
- Completed TVFC IQIP year with IIS IQIP training – 45
- Total IIS IQIP trained providers – 115

# Limitations

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- Small sample size
- Organizations that received IIS intervention after IQIP started
- Organizations with continuous data submission issues
- Larger health systems

# Conclusion

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- Average vaccine coverage rates improved
- IIS knowledge among TVFC providers in jurisdiction increased
- IIS knowledge among TVFC IQIP consultants increased

# Thank you!!!!



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