JOINT DEVELOPMENT IN ACTION

A collaborative effort between

Alaska, Arizona, Washington, Wyoming

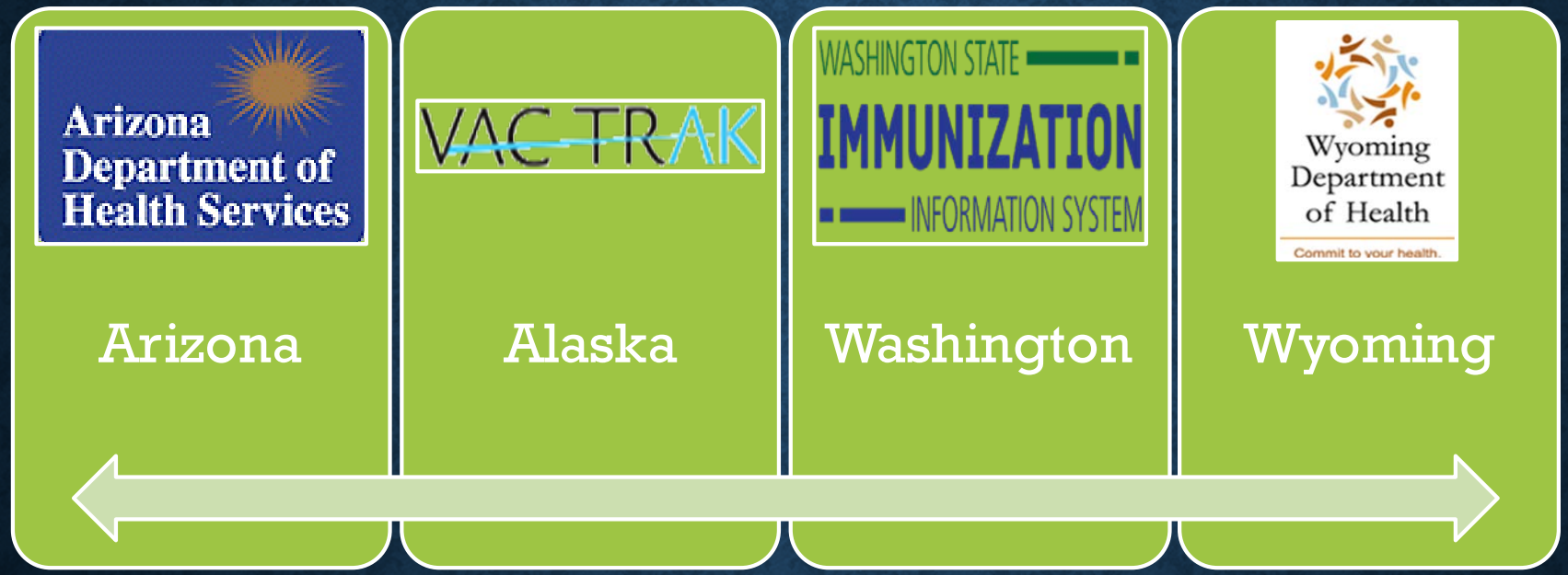
&

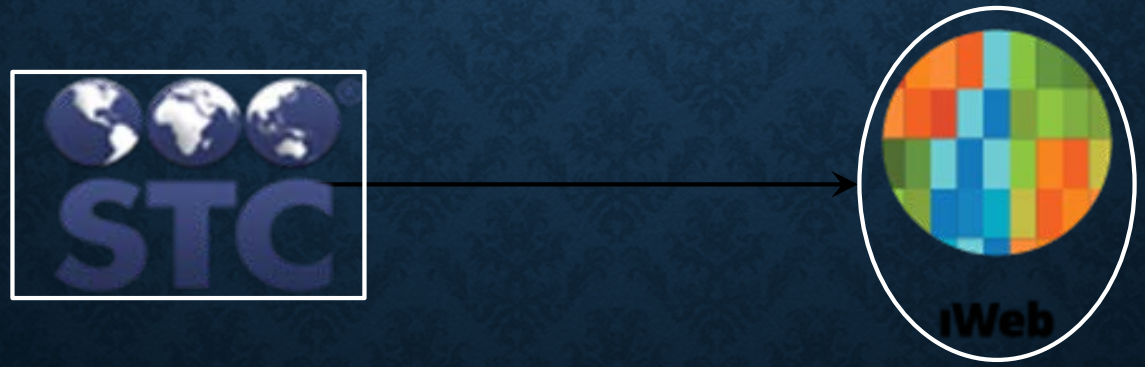
Scientific Technologies Corporation

Supported by CDC PPHF VTrckS-IIS Enhancement Grants

Annual AIRA Conference
Seattle, WA April, 2016

Collaborative Development effort





IN THE BEGINNING …

The Population Estimate Survey

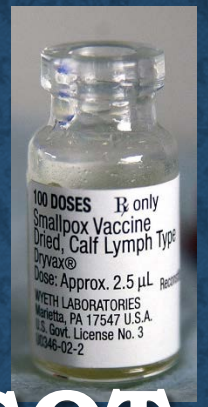
THE PRACTICE PROFILE

IT WAS GOOD!

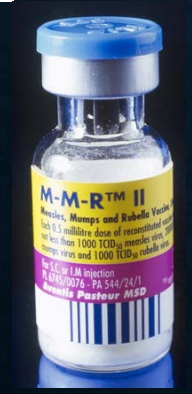
THINGS GOT *MORE* COMPLEX

- Population Estimate Survey
- Cost Assessment Tool (CAT)
- Vaccine Price Estimation Tool (VPET)
- Practice Profile

IT WAS OK.



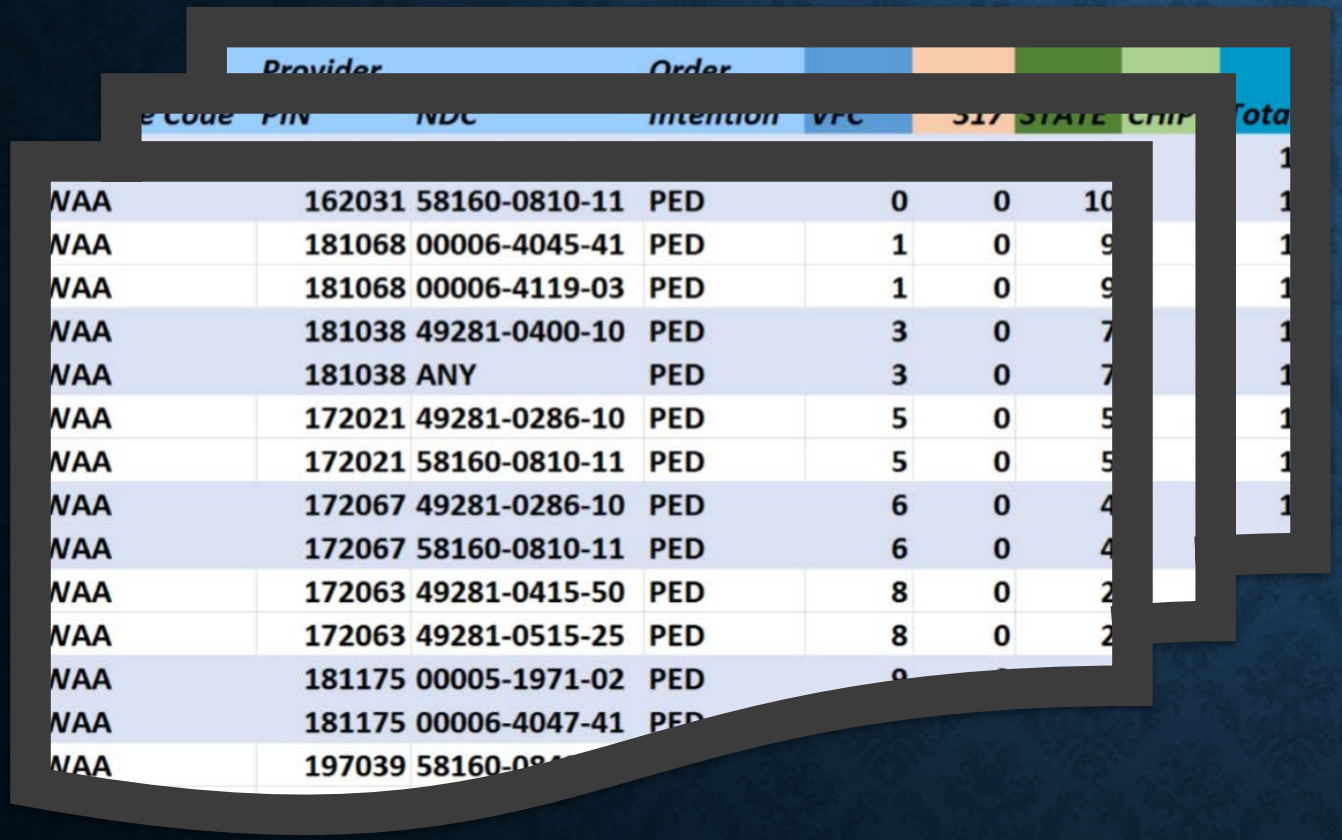
THINGS GOT *EVEN MORE* COMPLEX



THIS IS HOW COMPLEX

- Population Estimate Survey
- Cost Assessment Tool (CAT)
- Vaccine Price Estimation Tool (VPET)
- Practice Profile
- Fund Source Attached to Each NDC

CREATING THE FUND SPLIT TEMPLATE



Provider	PIN	NDC	Intention	VFC	317	STATE	CHIP	Total
WAA	162031	58160-0810-11	PED	0	0	10		1
WAA	181068	00006-4045-41	PED	1	0	9		1
WAA	181068	00006-4119-03	PED	1	0	9		1
WAA	181038	49281-0400-10	PED	3	0	7		1
WAA	181038	ANY	PED	3	0	7		1
WAA	172021	49281-0286-10	PED	5	0	5		1
WAA	172021	58160-0810-11	PED	5	0	5		1
WAA	172067	49281-0286-10	PED	6	0	4		1
WAA	172067	58160-0810-11	PED	6	0	4		
WAA	172063	49281-0415-50	PED	8	0	2		
WAA	172063	49281-0515-25	PED	8	0	2		
WAA	181175	00005-1971-02	PED					
WAA	181175	00006-4047-41	PED					
WAA	197039	58160-08						

- 39,183 lines
- 8 data elements
- 313,464 individual data entries

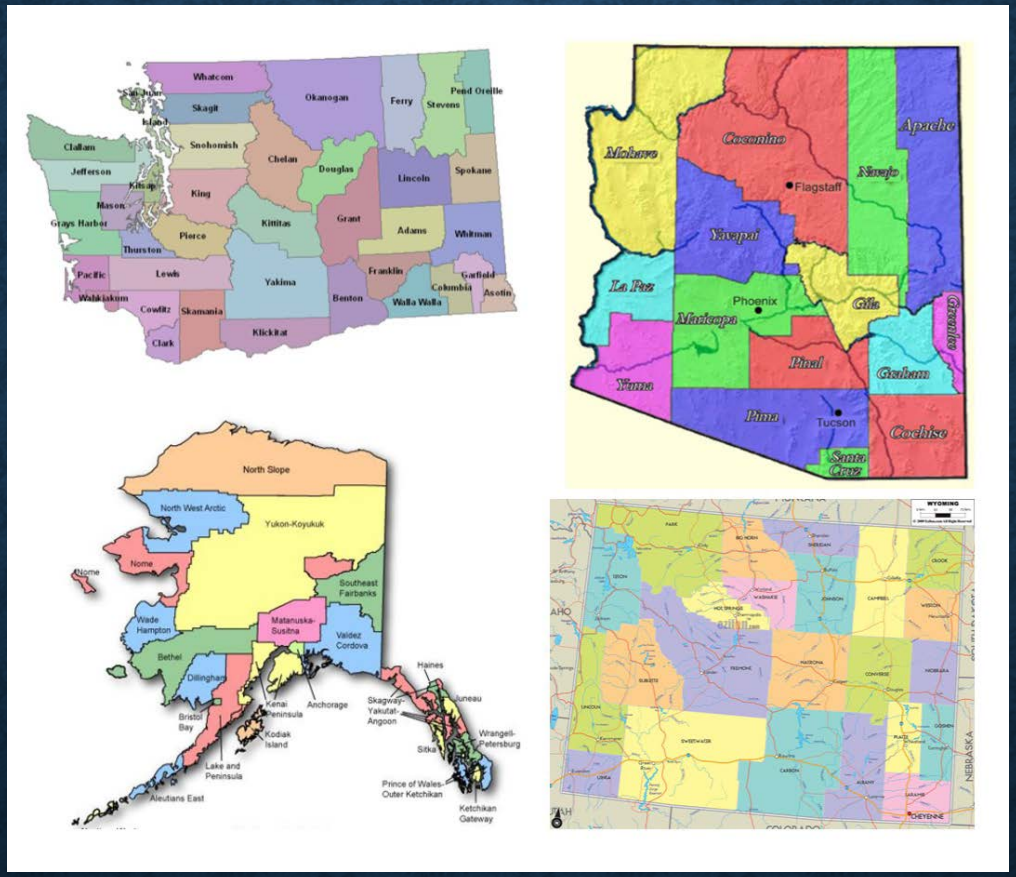
IT WAS KINDA CRAZY!

WASHINGTON

- 1,100 Sites
- 4,000 Providers
- No IIS Mandate
- Universal
- 5 Fund Sources

ALASKA

- 241Sites
- 874 Providers
- IIS Mandate
- Universal
- 3 Fund Sources
- State Depot



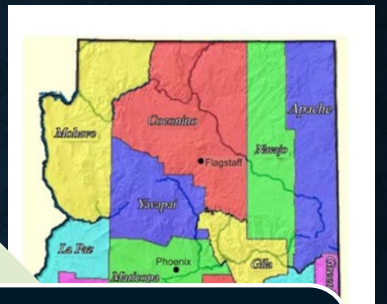
ARIZONA

- 1,000 Sites
- 3,000 Providers
- IIS Mandate
- VFC Only
- 2 Fund Sources

WYOMING

- 200 Sites
- 850 Providers
- IIS Mandate
- Universal
- 3 Fund Sources

ARIZONA



PROVIDER WORK FLOW:

- Screens Patient
- Attaches VFC Status in IIS / E.H.R.
- Enters Data in IIS / Sends HL7
- Pulls IIS Report / Other
- Sends Profile with Enrollment Documentation
- Completes Enrollment

STATE STAFF WORK FLOW:

- Pull Order Data from IIS
- Review & Approve Orders in IIS Upload to VTrckS
- Upload VTrckS Shipping File to IIS

WASHINGTON

PROVIDER WORK FLOW:

- Screens Patient
- Attaches VFC Status IIS / E.H.R/Other
- Sends / Enters Data in IIS
- Completes Agreement
- Pulls IIS Report / Other
- Completes Profile in IIS

STATE STAFF WORK FLOW:

- Pull Data from IIS
- Complete / Update Template
- Process Orders w/Custom Fund Split

WYOMING

PROVIDER WORK FLOW:

- Screens Patient
- Attaches VFC Status IIS / E.H.R/Other
- Sends / Enters Data in IIS
- Completes Agreement
- Pulls IIS Report / Other
- Completes Profile in IIS

STATE STAFF WORK FLOW:

- Pull Data from IIS
- Complete Template / Upload to VTrckS
- Process Orders with Fund Split Attached

ALASKA

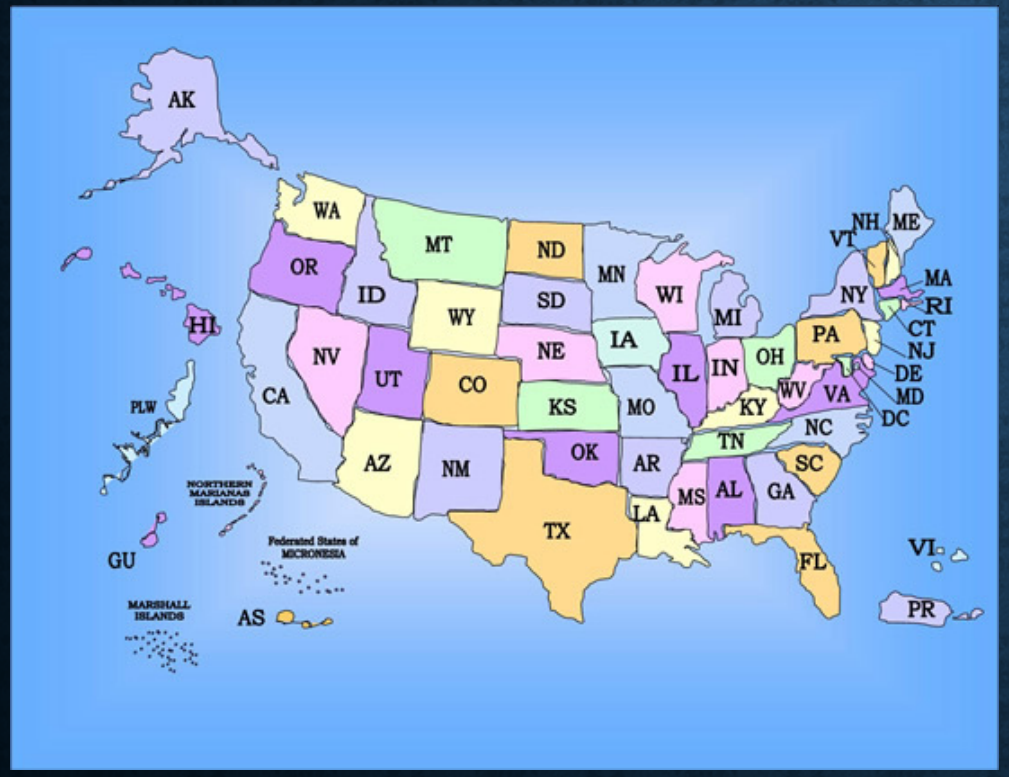
PROVIDER WORK FLOW:

- Screens Patient
- VFC Status Attached to Doses Admin.
- Required to Send / Enter Data in IIS
- Completes Agreement
- IIS Pulls Data to Profile

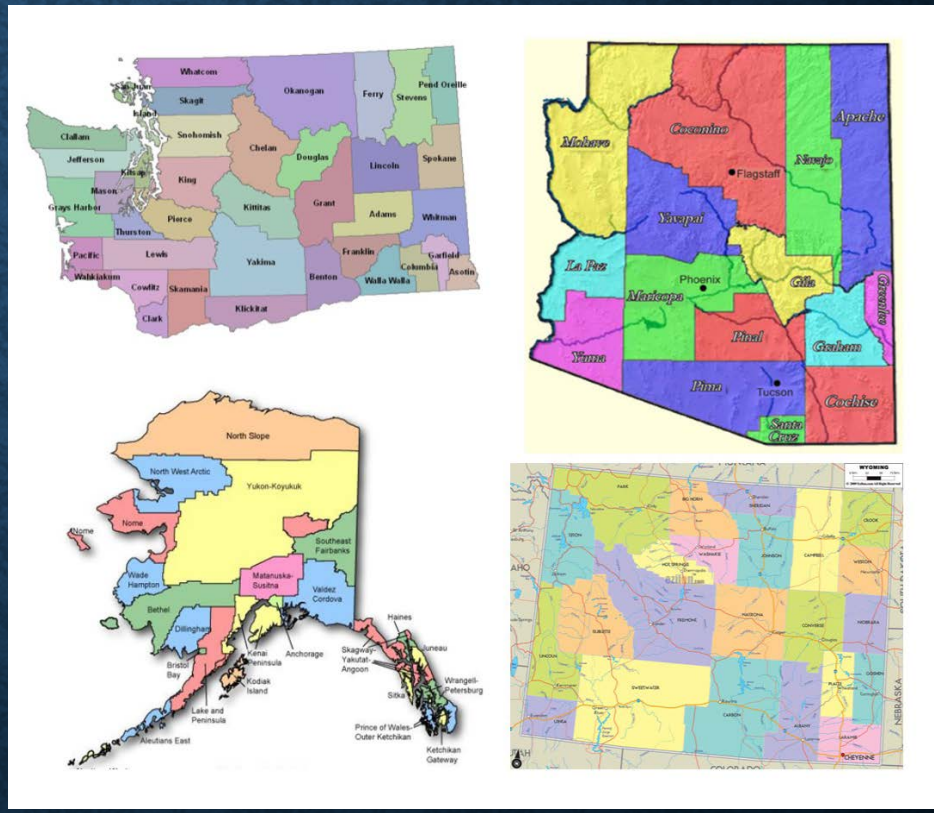
STATE STAFF WORK FLOW:

- Downloads Order for Each Fund Source
- Changes Non-VFC Fund Sources / Upload to VTrckS
- Analyzes Bulk Shipments / Admin Data to Assure Splits Match

COMMON PROBLEMS



SHARED SOLUTIONS



JOINT DEVELOPMENT PROCESS:

- Weekly Webex calls with core project teams.
- Monthly Webex – all Iweb supported states
- Change Requests drafted in collaboration
- Feedback on Solutions
  - Some push and pull
  - Some compromise
- Review of functionality mock-ups
- Feedback from demos of working software.

INITIAL GOALS & OUTCOMES

Modify the existing define lookup for eligibility categories to allow for mapping to CDC HL7 codes/Eligibility Categories.

Identify problems and redesign as needed

Collaborate with clients to deliver functionality that met the business need.

ORIGINAL DESIGN …

Current Lookup Values

Lookup Type Name: VFC and Non-VFC Eligibility Screening Categories

Lookup Value	Description	Non-VFC Profile Category	Inactive	Display	Order
		☐	☐	☐	

Add

Show 100 entries Search:

Lookup Value	Description	Non-VFC Profile Category	Inactive	Display	Order
0	VFC Ineligible (Private Insurance)	Y		Y	0
1	VFC Medicaid			Y	1
3	VFC Nat. Amer.or Alaskan			Y	3
4	VFC Underinsured			Y	4
2	VFC Uninsured			Y	2
6	State Underinsured	Y			5
501	AAA Sort				501
17	My Custom VFC		Y	Y	6
1010	Test		Y	Y	9
201	ZZ TOP		Y	Y	201
205	ZZ TOP 2		Y	Y	205

Need to split this Display into Display in Provider Agreement and Display in Eligibility Category drop down

Drop down menu of CDC eligibility categories

Display in eligibility category selection box in reports

COLLABORATION AND FEEDBACK RESULTED IN:

A COMPLETE REDESIGN PARTWAY THROUGH THE PROJECT.

FINAL DESIGN

- Create new patient eligibility categories and funding sources that are recognized by the IIS.
- Map patient eligibility categories and funding sources to HL7 codes.
- Update the IIS to recognize new HL7 codes as they are created.
- Map Patient Eligibility Categories to inventory funding sources.
- Designate Eligibility categories for the Practice Profile

New Patient Eligibility Categories

State defined Eligibility Categories that match Federal Program requirements

Linking the Eligibility Categories to the state defined Funding Sources

Dose accountability - decrementing

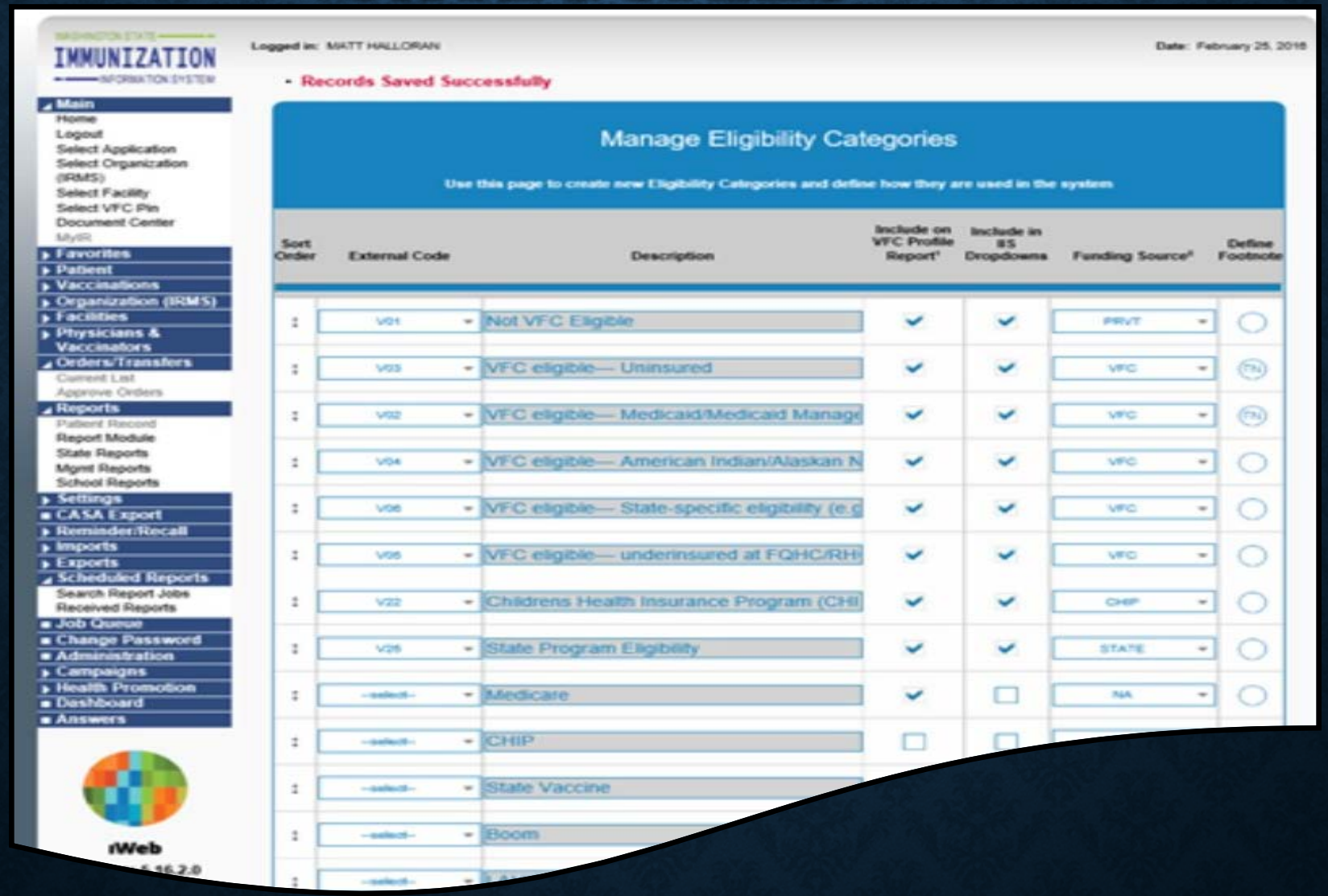
HL7 Mapping

Adapting to new HL7 standards

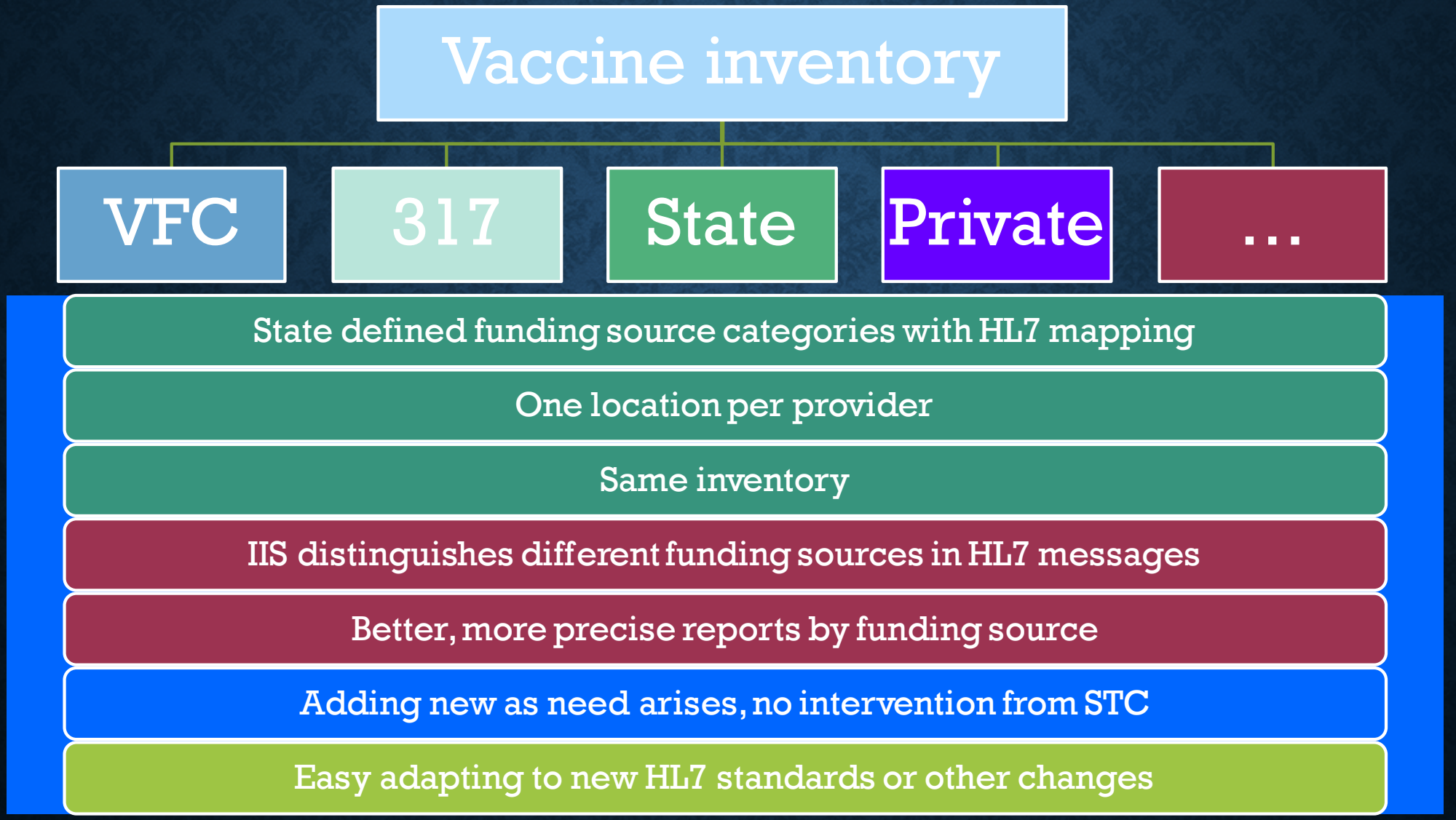
Adding /modifying Eligibility Categories as need arises, no intervention from STC

Adapting to changes or new Federal or State requirements

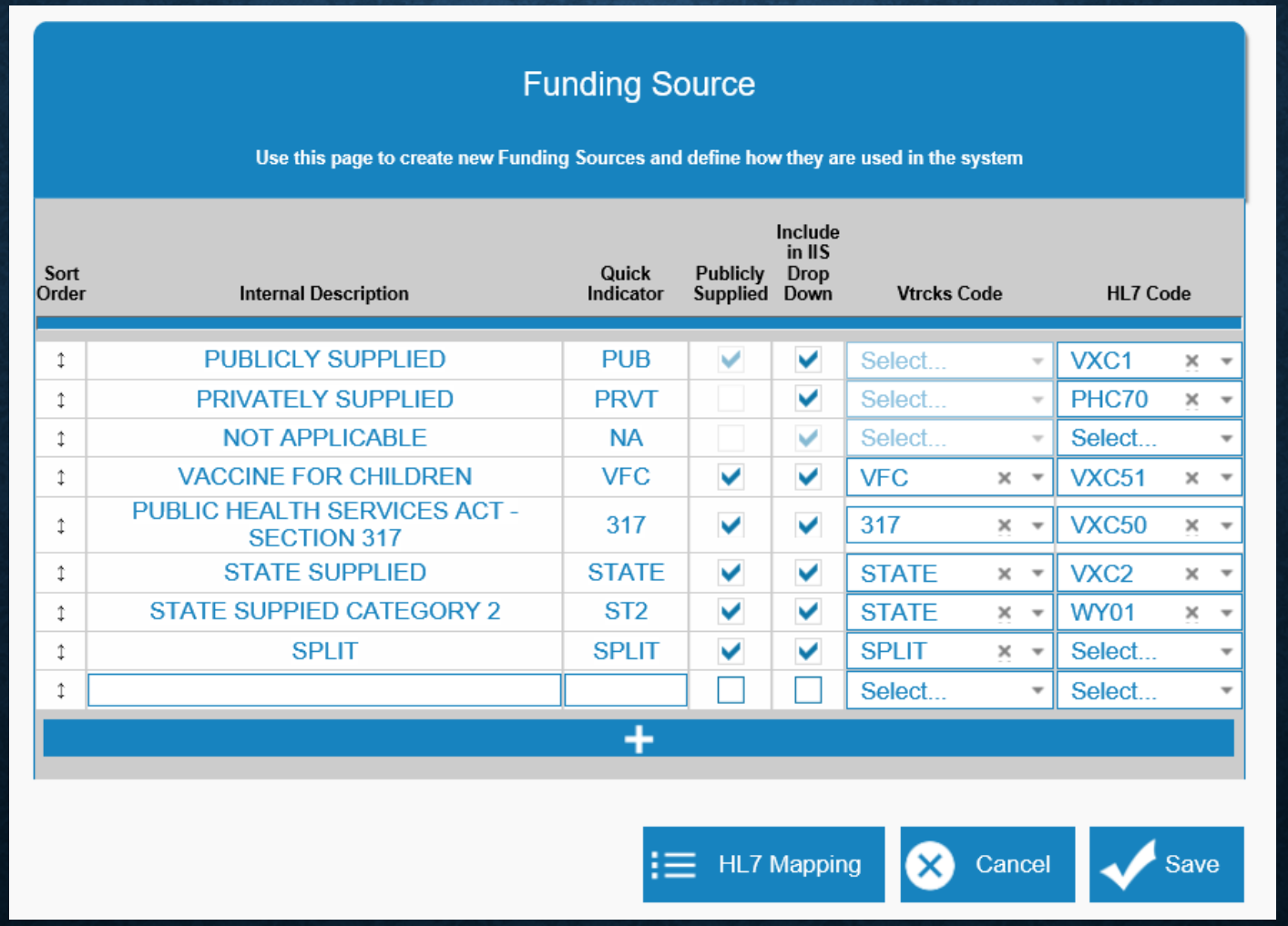
FLEXIBILITY TO MANAGE ELIGIBILITY CATEGORIES



New IIS Vaccine Funding Source Tracking



FLEXIBILITY TO MANAGE FUNDING SOURCES



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