

JOINT DEVELOPMENT IN ACTION

A collaborative effort between

Alaska, Arizona, Washington, Wyoming

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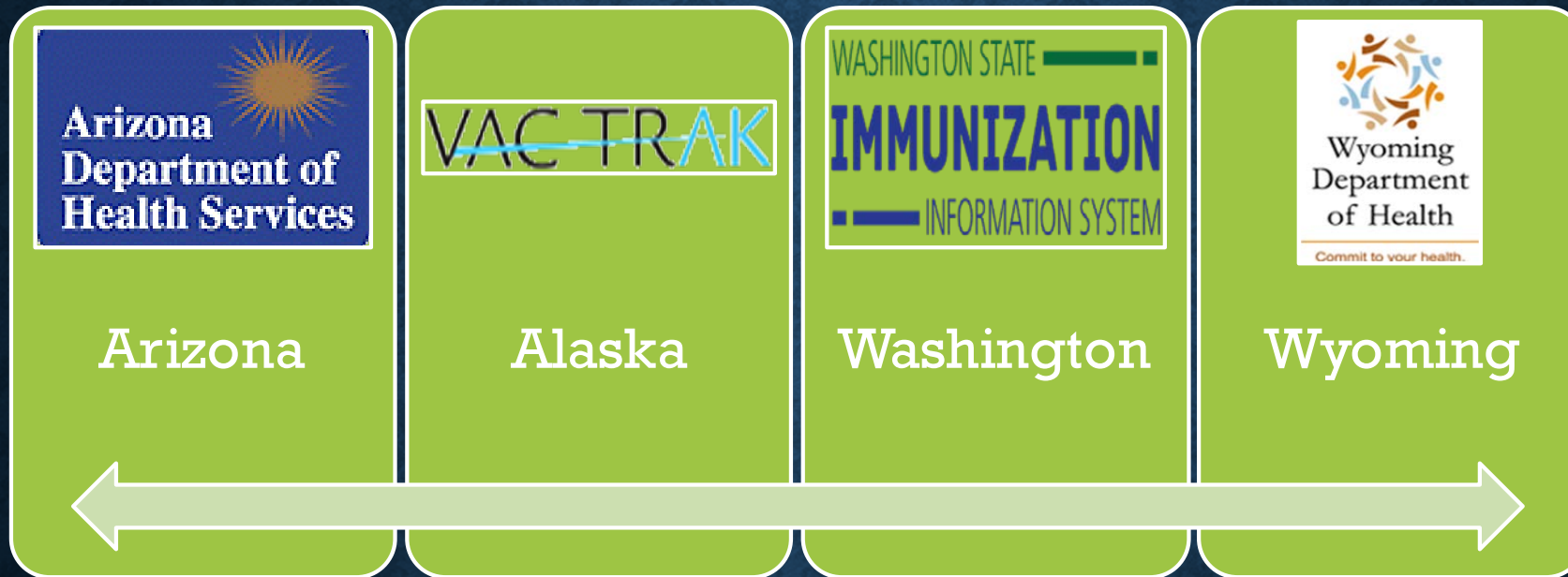
Scientific Technologies Corporation

Supported by CDC PPHF VTrckS-IIS Enhancement
Grants

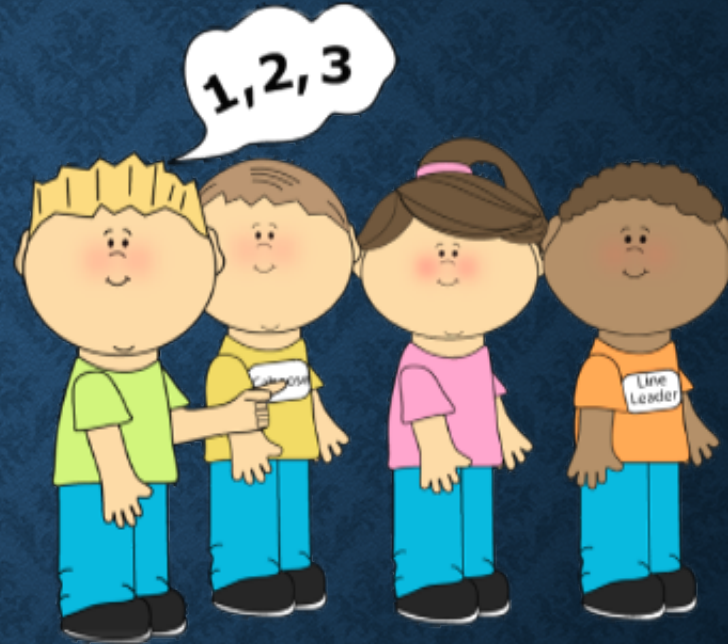
Annual AIRA Conference

Seattle, WA April, 2016

Collaborative Development effort



IN THE BEGINNING ...



The Population Estimate Survey

THE PRACTICE PROFILE



IT WAS GOOD!

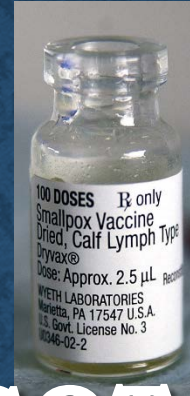


THINGS GOT *MORE* COMPLEX



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





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

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

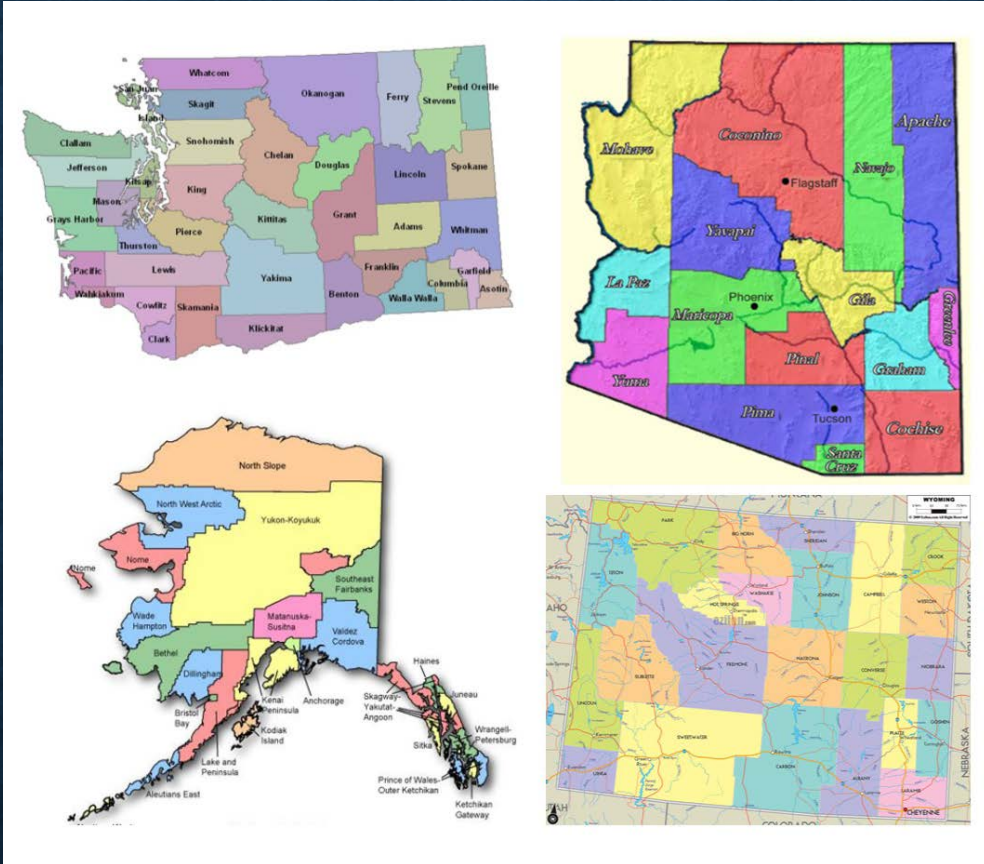
Provider	Order							
Code	PNV	NDC	Intention	VFC	SI7	STATE	CHIP	Total
NAA	162031	58160-0810-11	PED	0	0	10		1
NAA	181068	00006-4045-41	PED	1	0	9		1
NAA	181068	00006-4119-03	PED	1	0	9		1
NAA	181038	49281-0400-10	PED	3	0	7		1
NAA	181038	ANY	PED	3	0	7		1
NAA	172021	49281-0286-10	PED	5	0	5		1
NAA	172021	58160-0810-11	PED	5	0	5		1
NAA	172067	49281-0286-10	PED	6	0	4		1
NAA	172067	58160-0810-11	PED	6	0	4		1
NAA	172063	49281-0415-50	PED	8	0	2		1
NAA	172063	49281-0515-25	PED	8	0	2		1
NAA	181175	00005-1971-02	PED	9	0	1		1
NAA	181175	00006-4047-41	PED	9	0	1		1
NAA	197039	58160-0810-11	PED	10	0	0		1





WASHINGTON

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



ALASKA

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

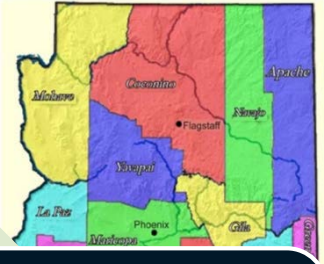
ARIZONA

- 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**



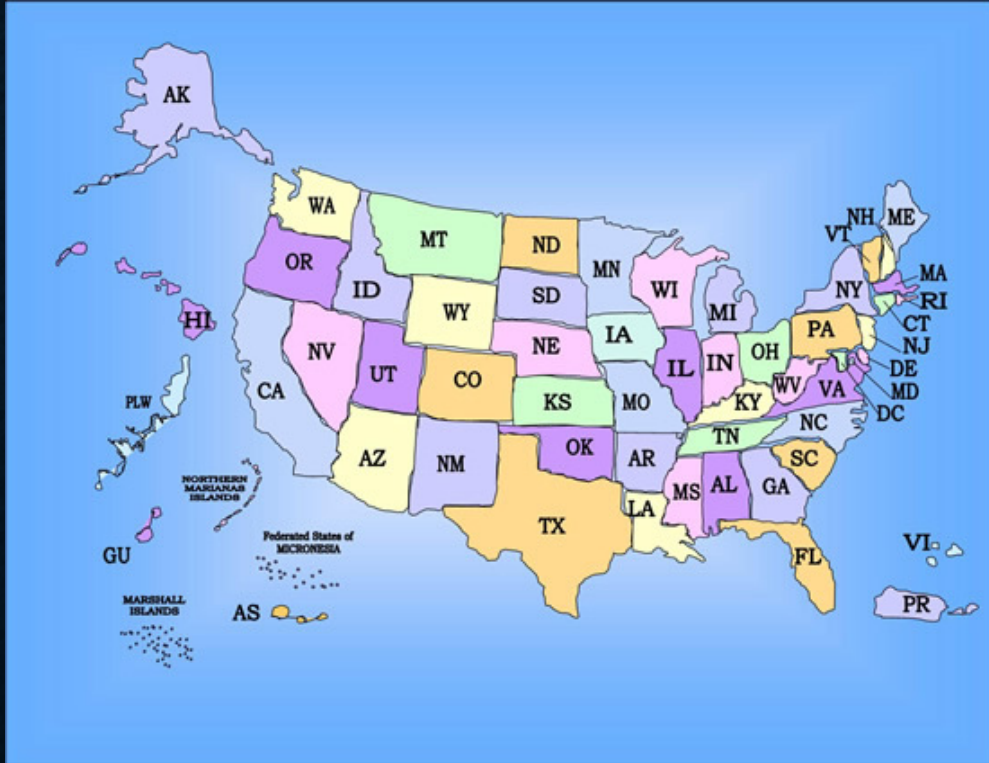
STATE STAFF WORK FLOW:

**Downloads Order
for Each Fund
Source**

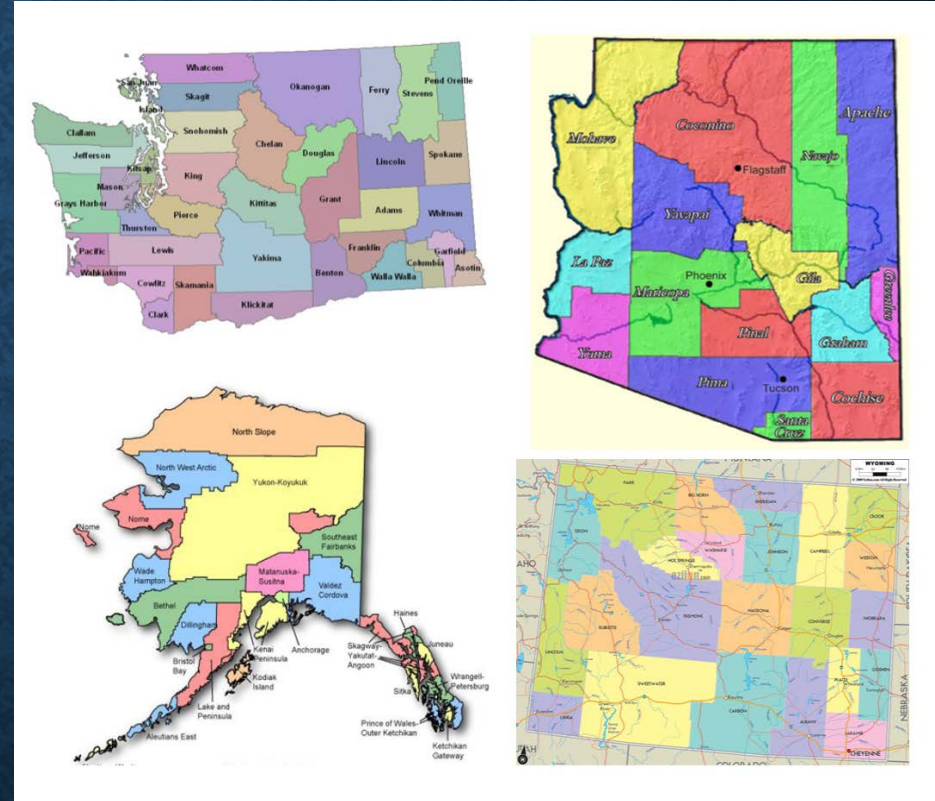
**Changes Non-VFC
Fund Sources /
Upload to VTrckS**

**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
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>
<input type="button" value="Add"/>					

Show 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

WASHINGTON STATE IMMUNIZATION INFORMATION SYSTEM


Logged in: MATT HALLORAN Date: February 25, 2018

Records Saved Successfully

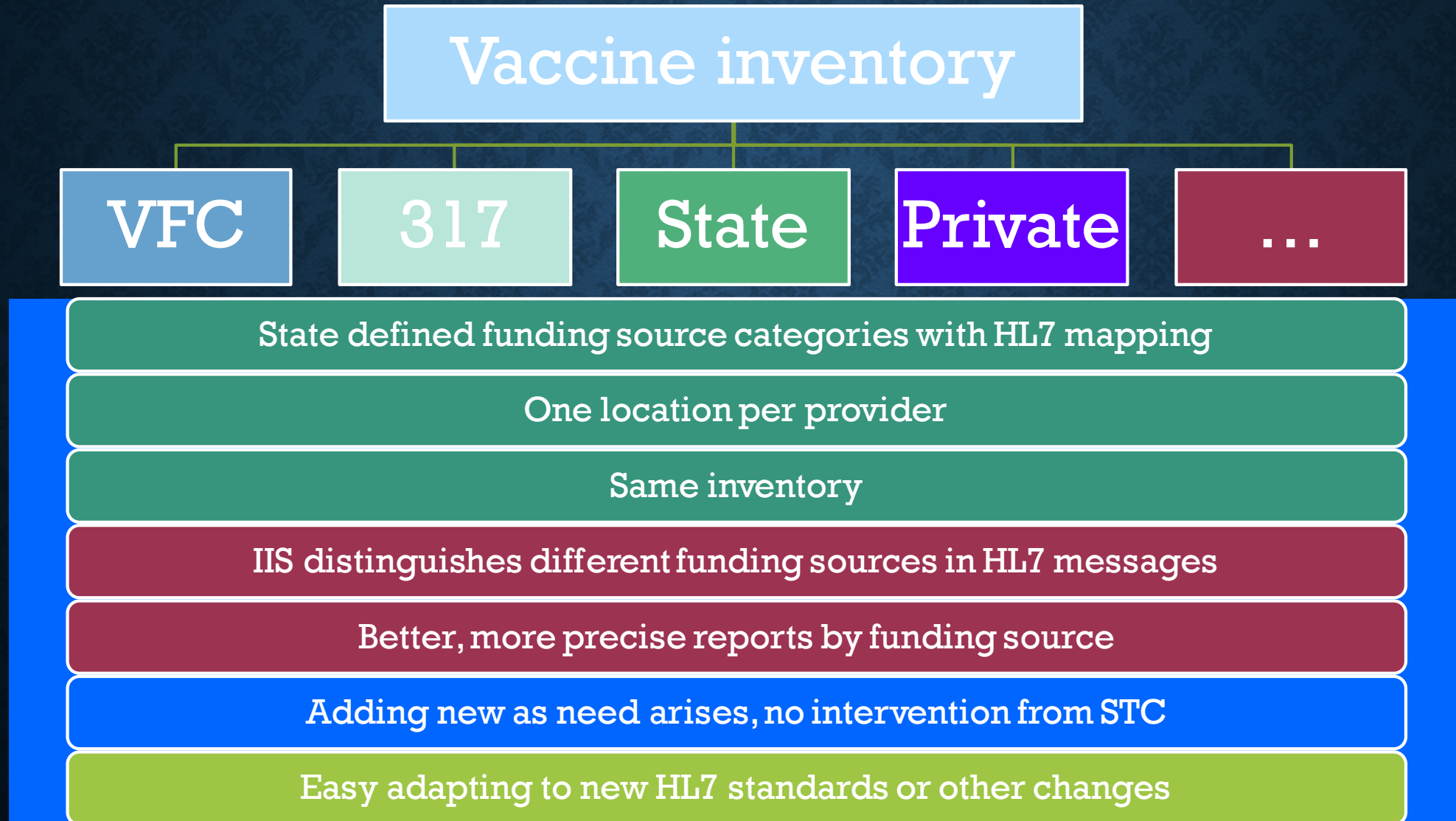
Manage Eligibility Categories

Use this page to create new Eligibility Categories and define how they are used in the system

Sort Order	External Code	Description	Include on VFC Profile Report ¹	Include in IS Dropdowns	Funding Source ²	Define Footnote
1	V01	Not VFC Eligible	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PRIVT	<input type="radio"/>
2	V03	VFC eligible— Uninsured	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	VFC	<input checked="" type="radio"/>
3	V02	VFC eligible— Medicaid/Medicaid Manage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	VFC	<input checked="" type="radio"/>
4	V04	VFC eligible— American Indian/Alaskan N	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	VFC	<input type="radio"/>
5	V06	VFC eligible— State-specific eligibility (e.g	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	VFC	<input type="radio"/>
6	V05	VFC eligible— underinsured at FQHC/RH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	VFC	<input type="radio"/>
7	V22	Childrens Health Insurance Program (CHIP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	CHIP	<input type="radio"/>
8	V25	State Program Eligibility	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	STATE	<input type="radio"/>
9	--select--	Medicare	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA	<input type="radio"/>
10	--select--	CHIP	<input type="checkbox"/>	<input type="checkbox"/>		
11	--select--	State Vaccine				
12	--select--	Boon				
13	--select--	S.A.V.				


rWeb
5.16.2.0

New IIS Vaccine Funding Source Tracking



FLEXIBILITY TO MANAGE FUNDING SOURCES

Funding Source

Use this page to create new Funding Sources and define how they are used in the system

Sort Order	Internal Description	Quick Indicator	Publicly Supplied	Include in IIS Drop Down	Vtrcks Code	HL7 Code
↑	PUBLICLY SUPPLIED	PUB	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Select... ▾	VXC1 ✕ ▾
↑	PRIVATELY SUPPLIED	PRVT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Select... ▾	PHC70 ✕ ▾
↑	NOT APPLICABLE	NA	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Select... ▾	Select... ▾
↑	VACCINE FOR CHILDREN	VFC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	VFC ✕ ▾	VXC51 ✕ ▾
↑	PUBLIC HEALTH SERVICES ACT - SECTION 317	317	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	317 ✕ ▾	VXC50 ✕ ▾
↑	STATE SUPPLIED	STATE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	STATE ✕ ▾	VXC2 ✕ ▾
↑	STATE SUPPLIED CATEGORY 2	ST2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	STATE ✕ ▾	WY01 ✕ ▾
↑	SPLIT	SPLIT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	SPLIT ✕ ▾	Select... ▾
↑			<input type="checkbox"/>	<input type="checkbox"/>	Select... ▾	Select... ▾

+

☰ HL7 Mapping

✕ Cancel

✓ Save

ACKNOWLEDGEMENTS



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