



# **NextGen immunizations documentation. How to improve “Working as Designed” workflows**

Presented By:

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Greg Johnson, EHR Application Programmer

# Presentation Goals



1. Introduce the Central Valley Collaborative (CVC)
2. Review what the CVC has been doing.
3. Review Immunization Challenges with Nextgen 8.3
4. Requirements for New Template/Workflow.
5. Future Enhancements of the Template.
6. Live Demo of the Semi-Custom Workflow.



# Who is the CVC?

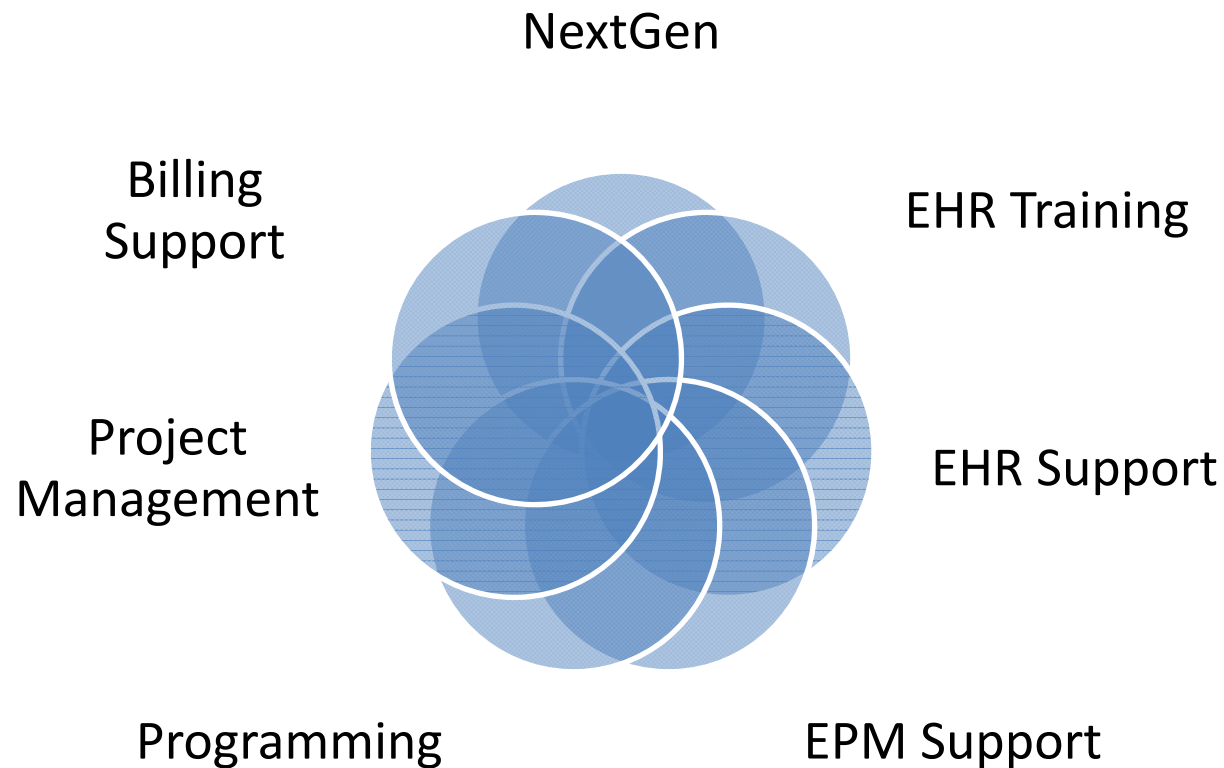


# Central Valley Collaborative



- CVC Core Services
  - EHR Project Management
  - EHR Analytics
  - ePM Analytics
  - EHR Training
  - EHR Development and Design
  - Network Support for PMS and EHR
  - Custom Programming

# Central Valley Collaborative



# Staffing



PERSONNEL	FTE	Member Access
Director	0.5	Ray Parris
CMIO	0.5	Dr. Dave Simenson
Project Manager	1	Sean Folweiler
EHR Analyst	1	Gregory Williams
ePM Analyst	1	Debra Pierce
EHR Development Super User	1	Jennifer Crain
Programmer	1	Greg Johnson
Senior Application Support Trainer II	1	Teresa Weir
Network Administrator I	1	Juan Garcia
Application Support Trainer	1	Lahila Pitts
Application Support Trainer	1	Lorena Lugo
Application Support Trainer	1	Saaqib Rangoonwala

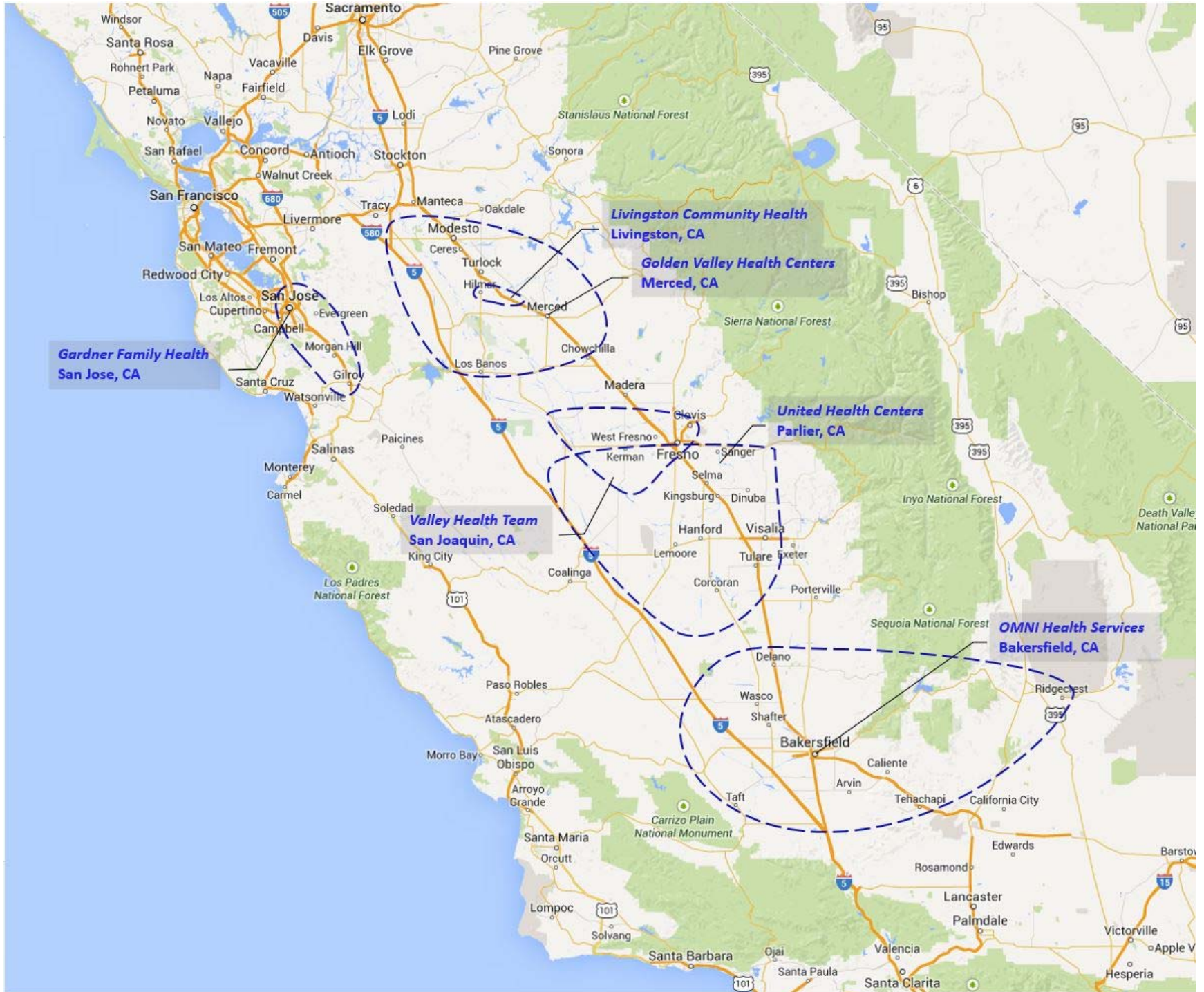
# Central Valley Collaborative Membership



- Golden Valley Health Centers – Merced, CA
- Livingston Community Health– Livingston, CA
- United Health Centers – Parlier, CA
- Valley Health Team – San Joaquin, CA
- Omni Family Health – Bakersfield, CA
- Gardner Family Health Centers – San Jose, CA



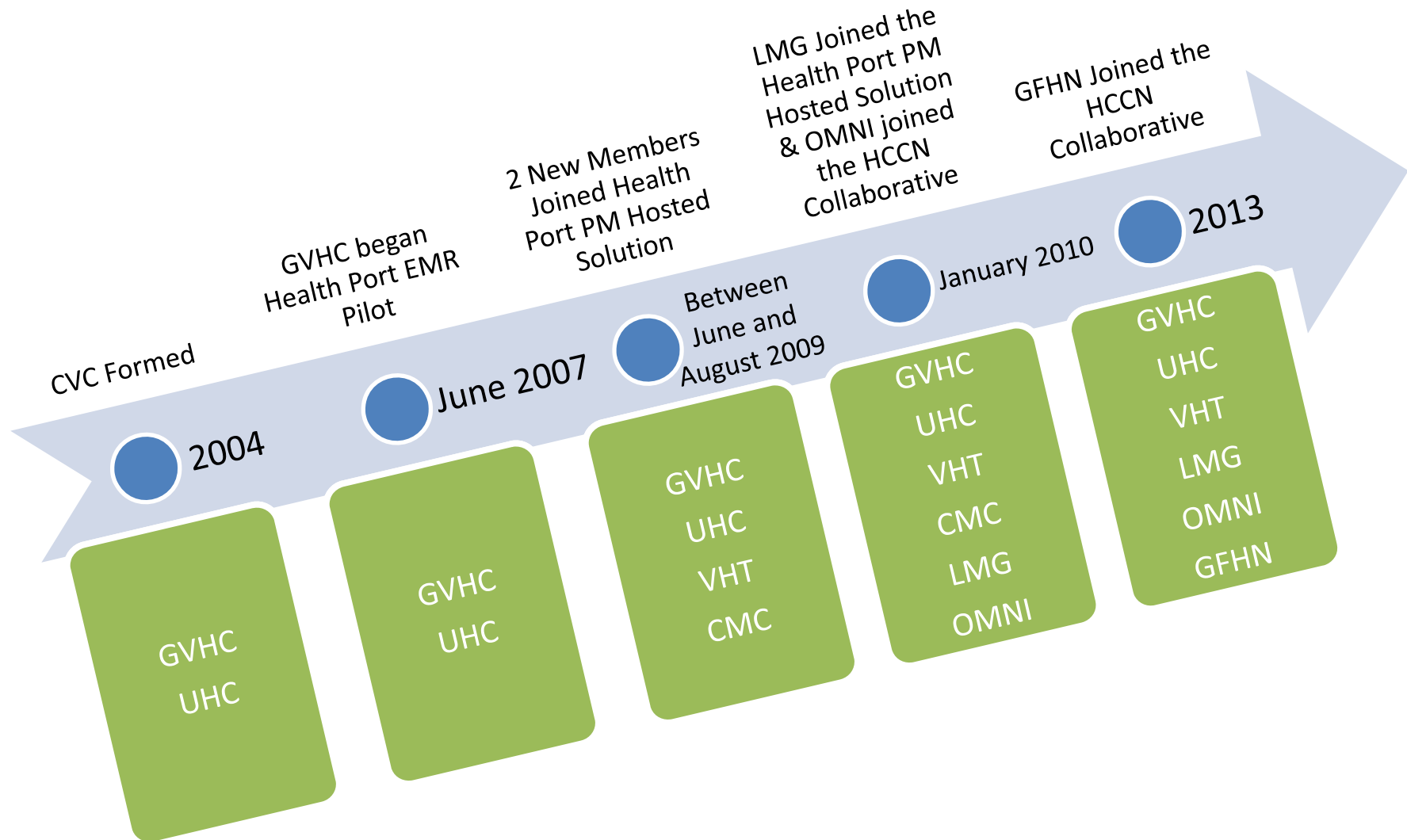
# Geography





# Central Valley Collaborative History

## Core Services



# Our Philosophy on Customization



- Beginning with 7.9 Implementation
  - Stay as “Out of the Box” as possible.
    - (Bend Don’t Break Rule)
  - Custom templates once stable with 8.3.
- Why?
  - Gain experience for our team.
  - In theory...Make upgrades easier.

12 Months

# 2011

Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec
					<b>KBM 7.9 Implementation</b> •Beta Health Center				<b>KBM 7.9 Implementation</b> •Beta Health Center		
					<b>NextGen 5.6 SP1</b> •Testing/Training				<b>NextGen 5.6 SP1 – Imp.</b> •Beta Health Center		

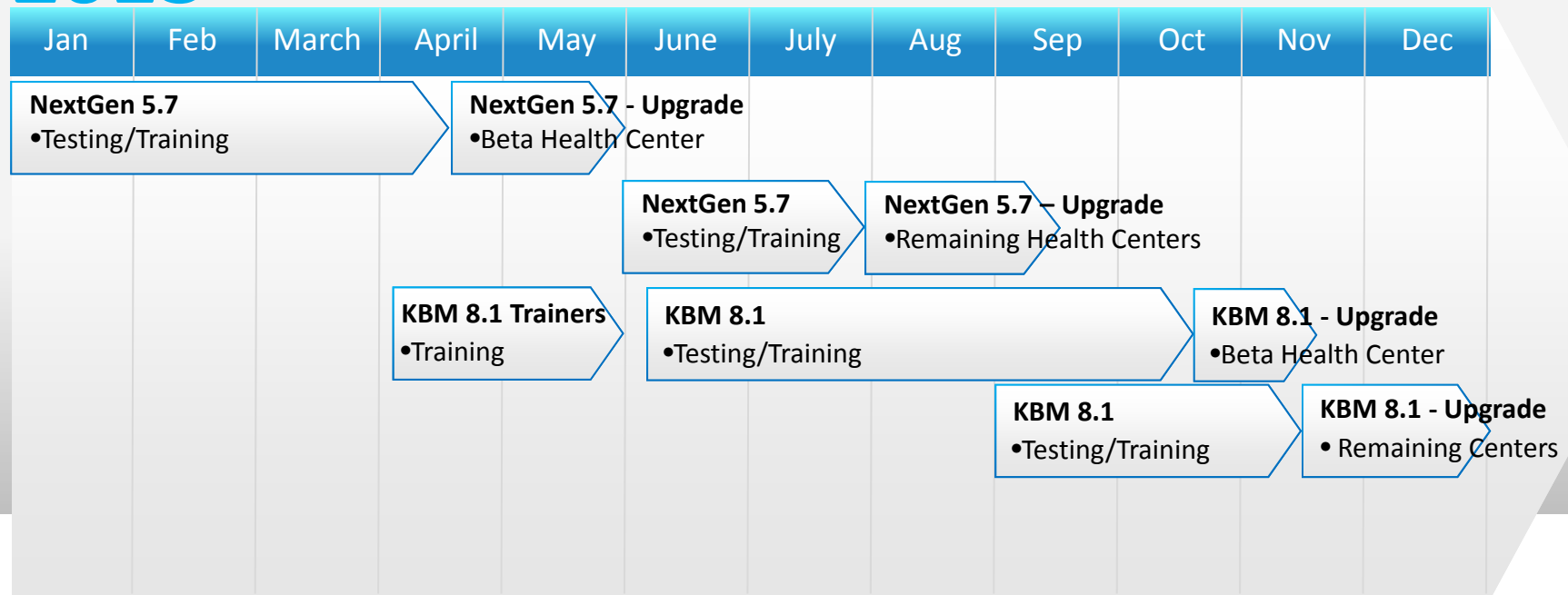
We must stay current with NextGen software versions.



# HCCN estimated TIMELINE

12 Months

## 2013



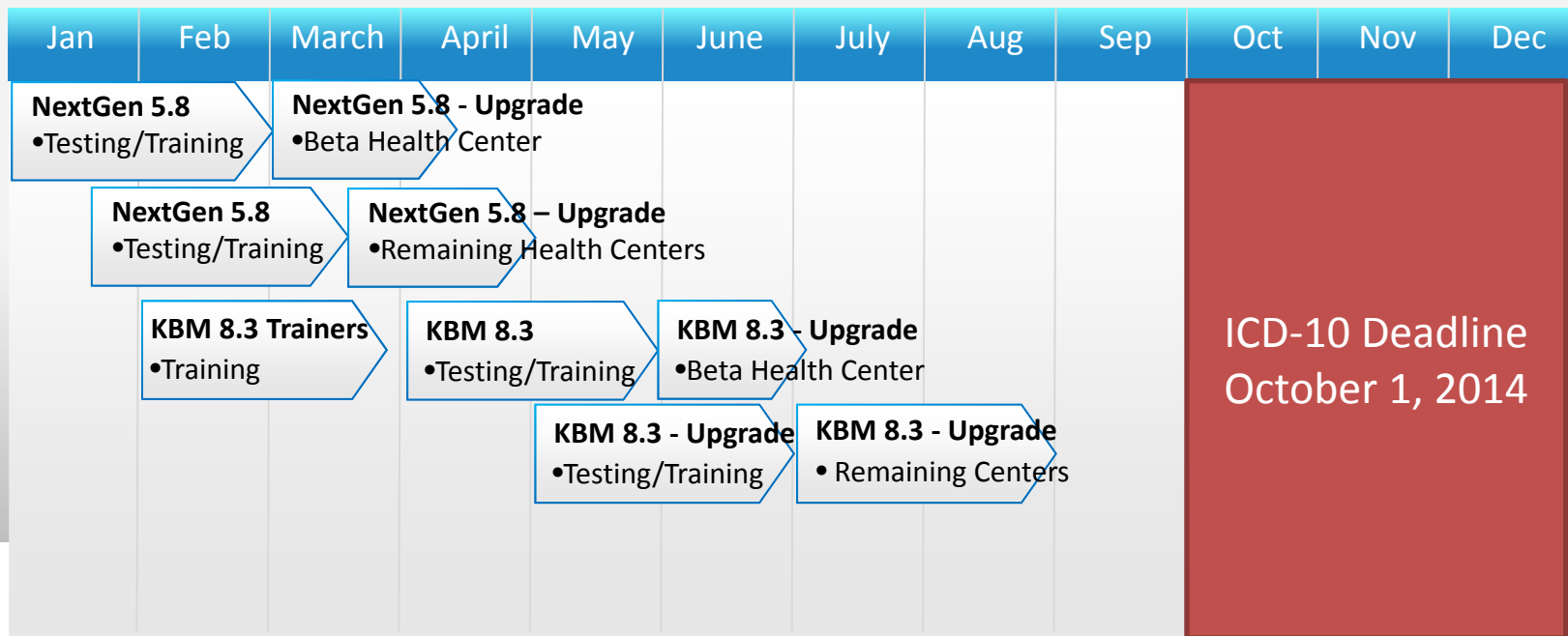
### Project Planning

We must stay current with NextGen software versions.

# HCCN estimated TIMELINE

12 Month

## 2014



### Project Planning

We must stay current with NextGen software versions.

# Effects of NextGen 8.3 Upgrade



**Before**



**After**



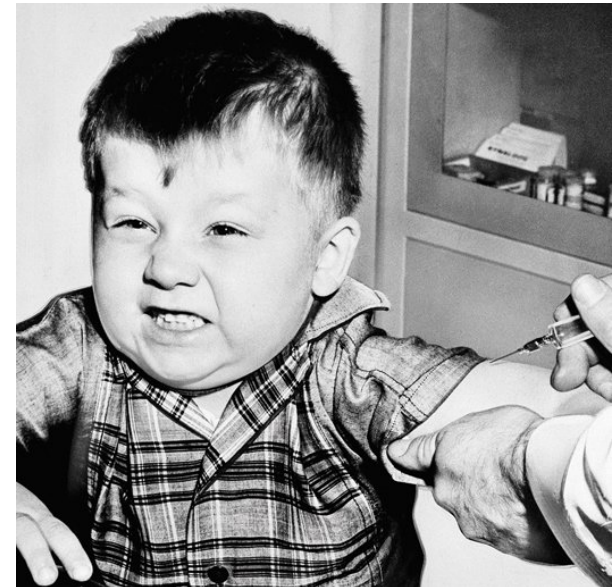


# NextGen 8.3 Immunization Out of the Box Workflow Challenges



- Forces Use of Vaccine Inventory
- Tasking
- Immunization Documentation Preparation
- Comments Per Immunization

Out of the Box = Moving Backwards



# Requirements for Immunization Template



- Stay as close to the “Out of the Box” workflow
- Does not Force use of Vaccine Inventory
  - Vaccine setup automatically populates
- Restore Favorite and Group Tasking
- Restore Immunization Documentation Prepping
- Immunization Order is passed to the module

# Requirements for Immunization Template (Cont.)



- Comment on Immunization with preset phrase
- Ordering of Combo Vaccine and individual component(s) not allowed
- Allergy Contraindication Alerts
- Alert if Patient is Pregnant
- No Pick list if only one Vaccine will present

How did we meet all of these requirements?



# Coffee

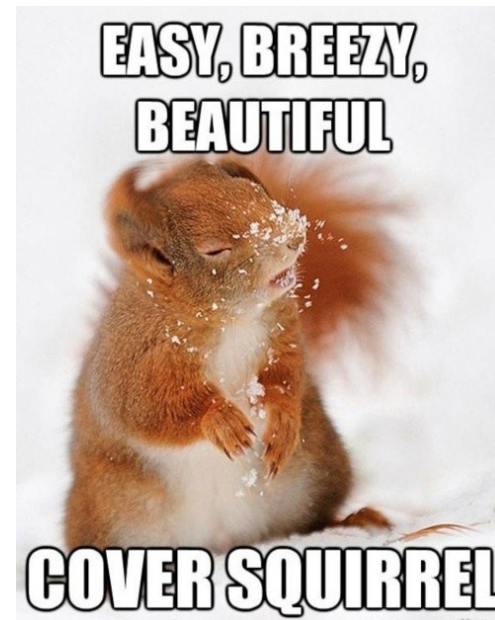
Large Quantities of  
Coffee!

# Method for New Template



- Started from 8.1 Immunization Templates
- Changed look and feel to 8.3 look and feel
- Reverse Engineer Immunization Module

Simple Enough.....



# Stored Procedures



cvc_imm_save_order_	-- Proc to insert imm into new immunization module
cvc_ngkbm_dbpicklist_vcd	-- Picklist of for practices that utilize vaccine inventory
cvc_ngkbm_dbpicklist_vcd_cnt	-- Provides row count for practices that utilize vaccine inventory.
cvc_ngkbm_dbpicklist_vc	-- Picklist of vaccines
cvc_ngkbm_dbpicklist_cnt_vc	-- Row count of vaccines
cvc_ngkbm_udg_cf_immunizations	--Data Grid of immunizations
cvc_ngkbm_udg_cf_immunization3	--Data Grid of immunizations (Copy)
cvc_ngkbm_udg_cf_immunizations_upd	--Update data grid h vaccine_group field added to output
cvc_ngkbm_imm_add_upd_remove	--Add, update, or remove (hide) vaccines in File Maintenance through the template

# Audience Poll



- Who uses NextGen?
- Who is live with KBM 8.3?
- If anyone is not live with 8.3, have you seen the out of the box immunization workflow?



# Live Demo



- Non-Inventory Workflow
- Setup
  - Non-Inventory
  - Inventory
- Inventory Workflow

# Future Enhancements



- Allergy Sync
- Apply Phrases to all Immunizations
- Automatic Sequence Selection

# Questions/Wrap Up

