

Public Health Services District Annual Report FY 2014-2015

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wide open opportunity

Overview

- Strategic Goals
- Public Health Services Budget
- Public Health Section Reports
- Accomplishments
- Revisit the Guidance on Public Health Accreditation

Strategic Goals

- **Strategic Goal 1 Improve Childhood Immunizations**
 - Pinal County Public Health Services District (PCPHSD) will achieve and sustain an immunization coverage rate of at least 80% in children 2-3 years old receiving the 4:3:1:3:3:1 series by 24 months of age.
- **Strategic Goal 2 Public Health Preparedness**
 - PCPHSD will maintain a Cities Readiness Initiative preparedness level score about 90%.

Strategic Goals

- **Strategic Goal 3 Substance Abuse Education**
 - By 2019, percentage of students who use alcohol, marijuana, methamphetamines and prescription medications in grades 8, 10 and 12 will be less than or equal to the state average, per the Arizona Youth Survey.
- **Strategic Goal 4 Nutrition Services**
 - By 2019, PCPHSD will provide WIC services to 8,150 participants per month, and provide at least 12 Diabetes Support Group of Chronic Disease Self-Management Program Classes countywide.

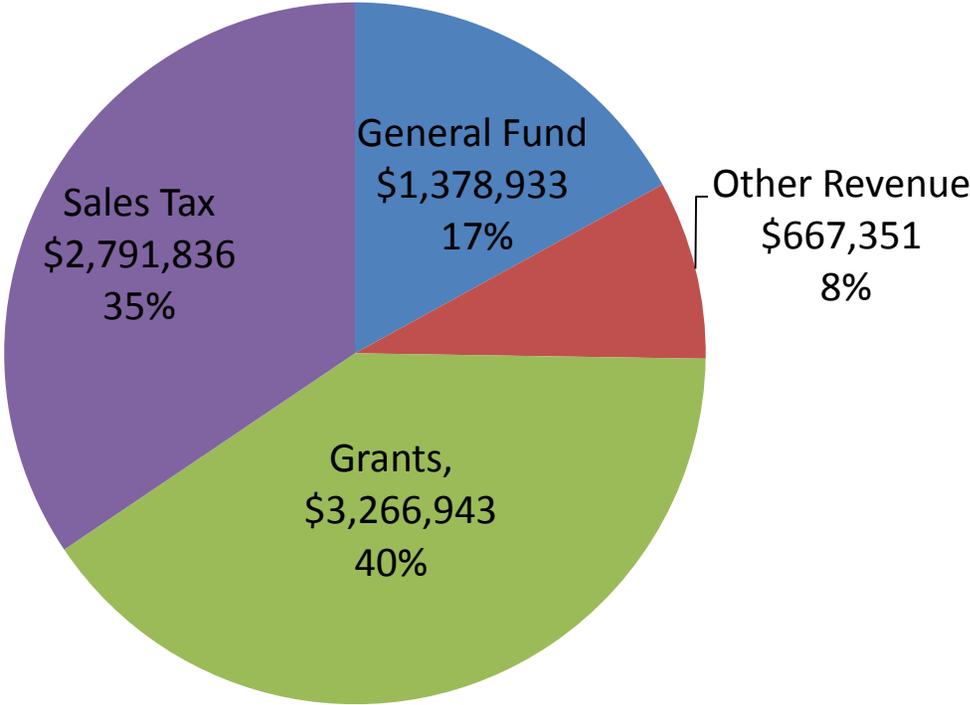
Strategic Goals

- **Strategic Goal 5 Communicable Diseases**
 - Limit mortality and morbidity by initiating investigation of 95% of all reported cases of infectious disease within recommended time frames.

- **Strategic Goal 6 Environmental Health**
 - Promote food and environmental safety by completing 95% of risk based frequency requirements for inspection of permitted facilities.

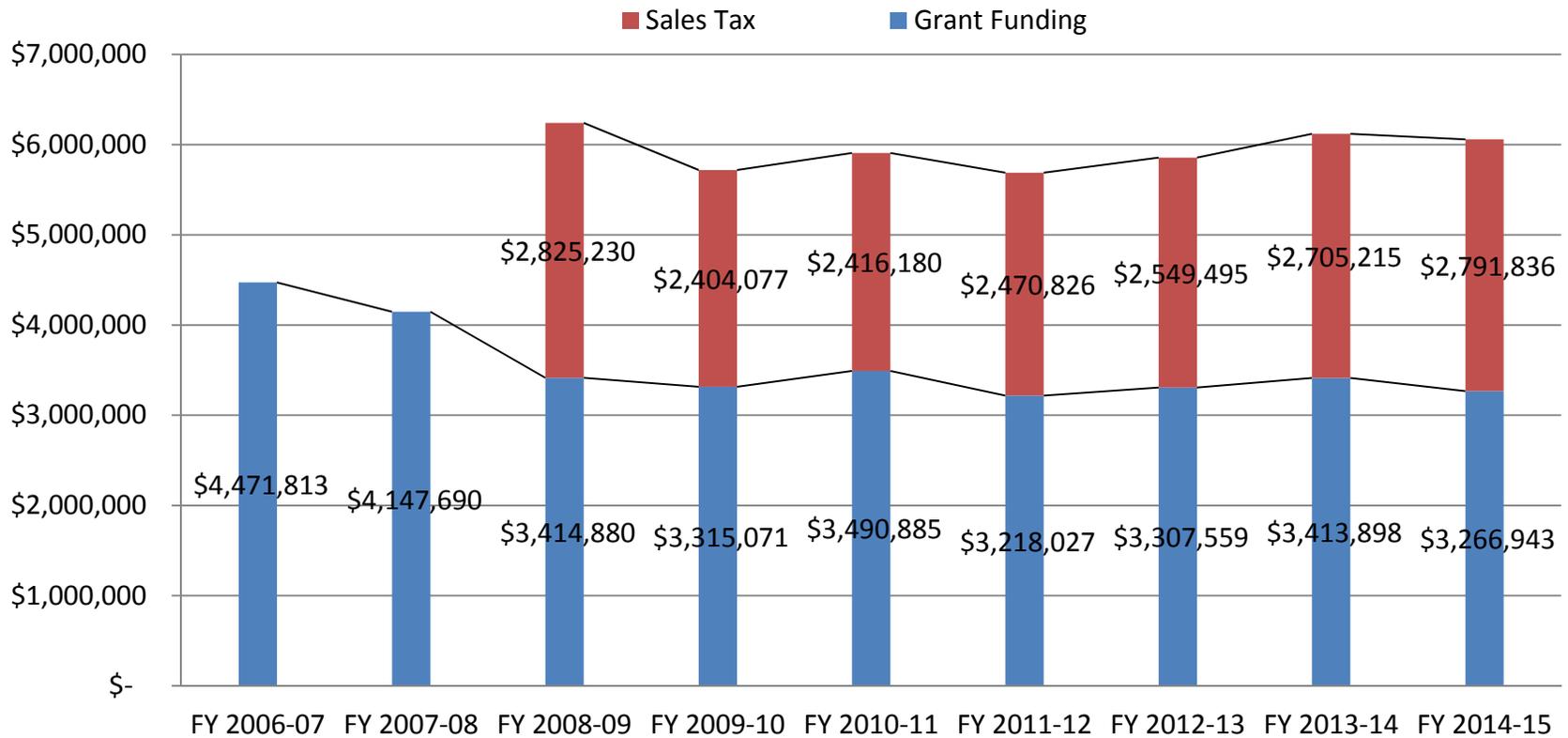
Public Health Funding

Public Health Revenue Sources FY 2014-2015



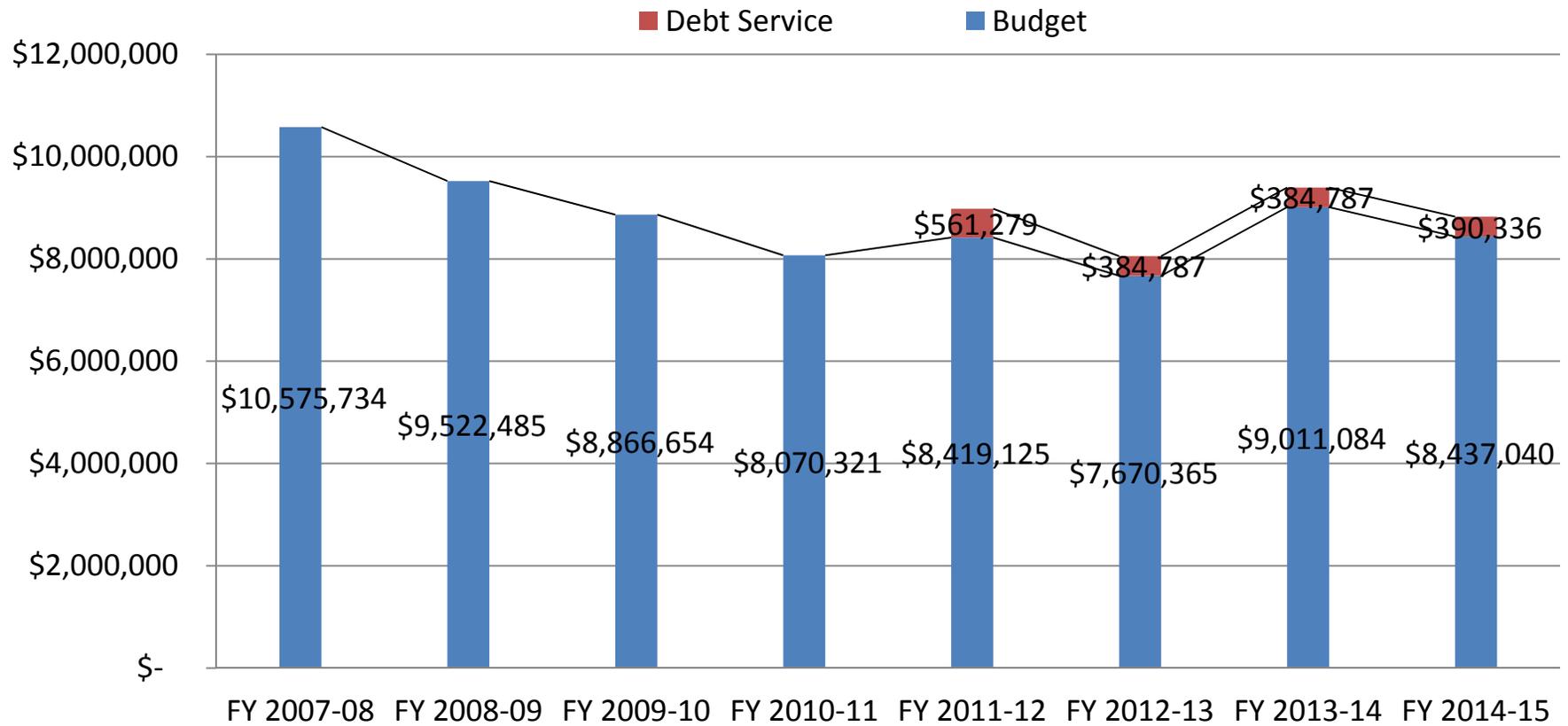
Public Health Funding

Pinal County Public Health Services District Revenue Sources by Fiscal Year



Public Health Budget

Pinal County Public Health Services District Budget by Fiscal Year



Public Health Services District Budget

Budget for July 1, 2014 - June 30, 2015		
A.	HEALTH EDUCATION	\$ 511,355
B.	NUTRITION SERVICES	\$ 1,413,489
C.	CHRONIC DISEASE - CANCER	\$ 291,000
D.	COMMUNICABLE DISEASE	\$1,115,445
E.	FAMILY PLANNING SERVICES	\$ 282,480
F.	GENERAL LOCAL HEALTH DEPT	\$ 5,053,295
	Public Health District	\$4,662,959
	Debt Service	\$ 390,336
G.	TRANSPORTATION SERVICES	\$58,952
H.	ENVIRONMENTAL HEALTH (Smoke Free AZ)	\$102,360
		\$8,828,376

Performance Management: *Communicable Disease*

- 100% of all reported cases of infectious disease were investigated within CDC recommended time frames.

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Infectious Disease and Epidemiology Section

- 4,995 suspect cases of reportable diseases were investigated during the fiscal year.
- Pinal County identified and investigated five outbreaks within jurisdiction, and was involved in 22 other cross-jurisdictional outbreak investigations.
- Treatment and prophylaxis were provided for exposures to rabies, pertussis, syphilis, tuberculosis, and other infectious diseases.

Measles Outbreak Response

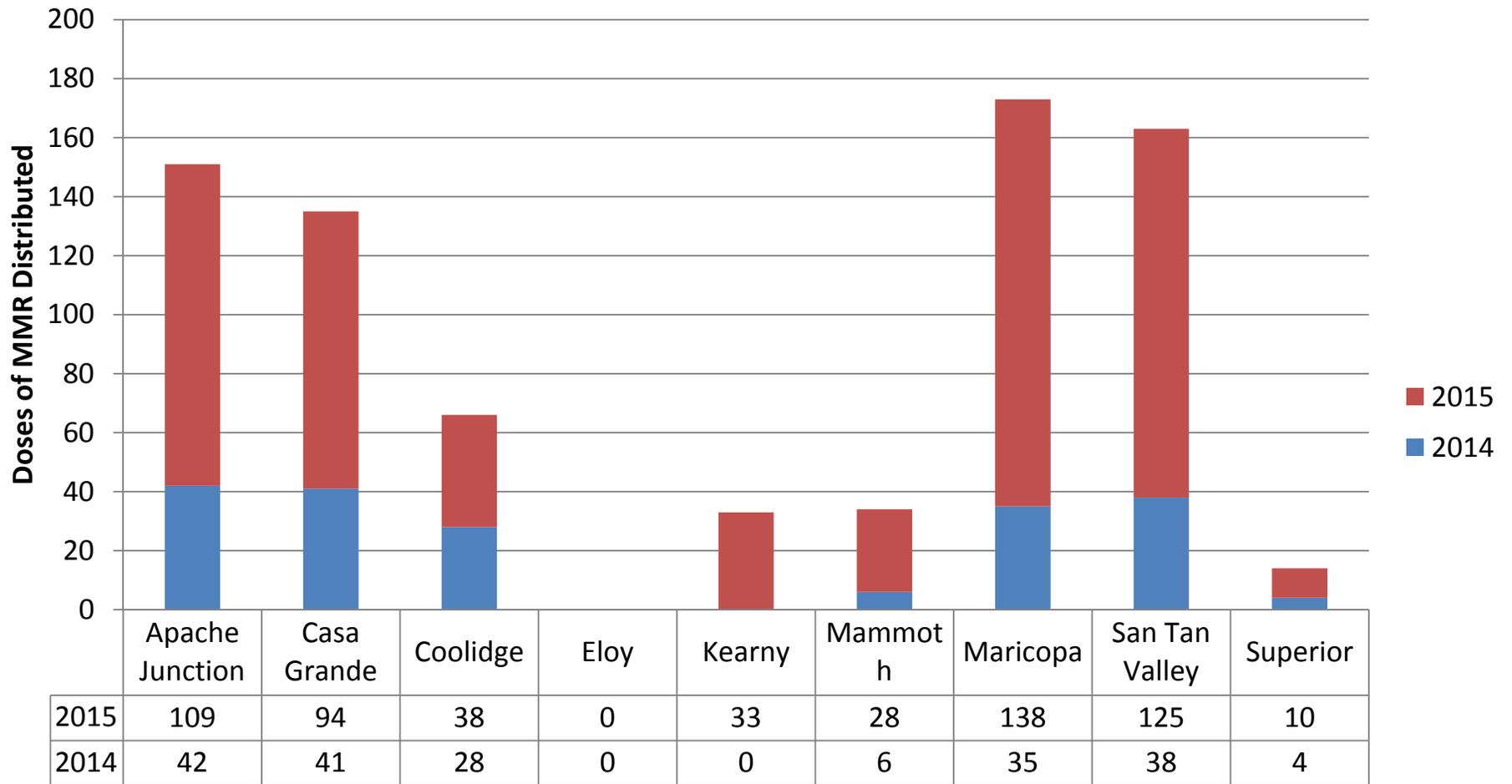
- Five confirmed measles cases were identified in Pinal County (7 total in Arizona) in multistate outbreak investigation in 2015.
- 133 contacts identified and interviewed
- 934 phone calls placed during investigation
- **Total amount of Pinal County staff hours: 1,547**
- **Total cost of outbreak to Pinal County: \$86,001.20**
 - Salary/ERE: \$51,571.85
 - Vaccine/supplies: \$34,429.35

Measles Outbreak: Immunizations

- Increase in vaccination services countywide following measles outbreak
 - No cost MMR vaccine provided at PCPHSD Clinics
- Cross training provided to PCPHSD staff, including Nursing, WIC and SHLP, to link clients to vaccination services
- Under-vaccinated children were identified in ASIIS and Televox Reminder/Recall Automated System implemented to promote vaccination

Measles Outbreak: Immunizations

2014-2015 MMR Vaccine Comparison

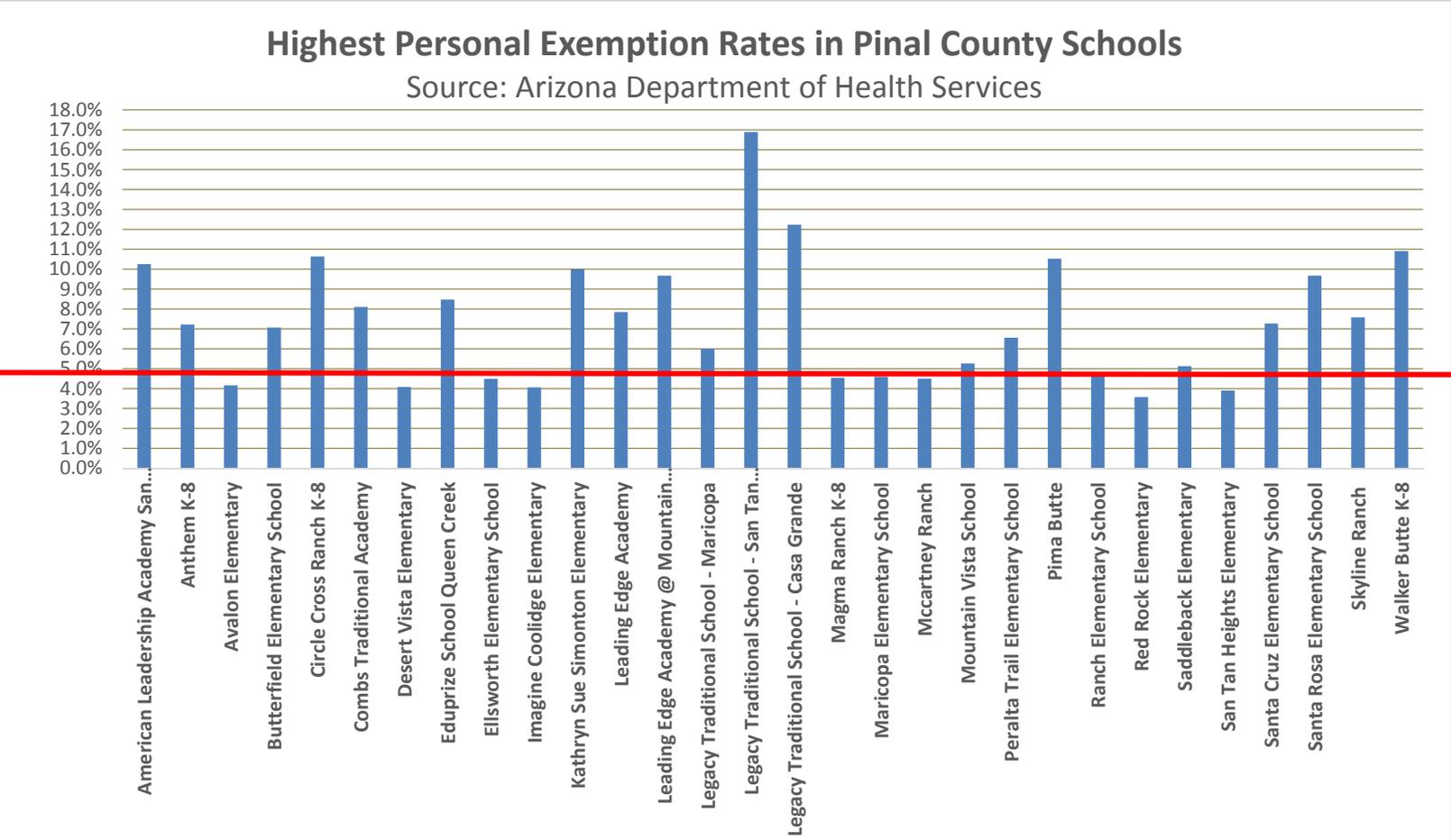


Pinal County Public Health Clinics

Measles Outbreak: Vulnerability in Schools

Highest Personal Exemption Rates in Pinal County Schools

Source: Arizona Department of Health Services



**Pinal
County
4.9%**

Performance Management: *Immunizations*

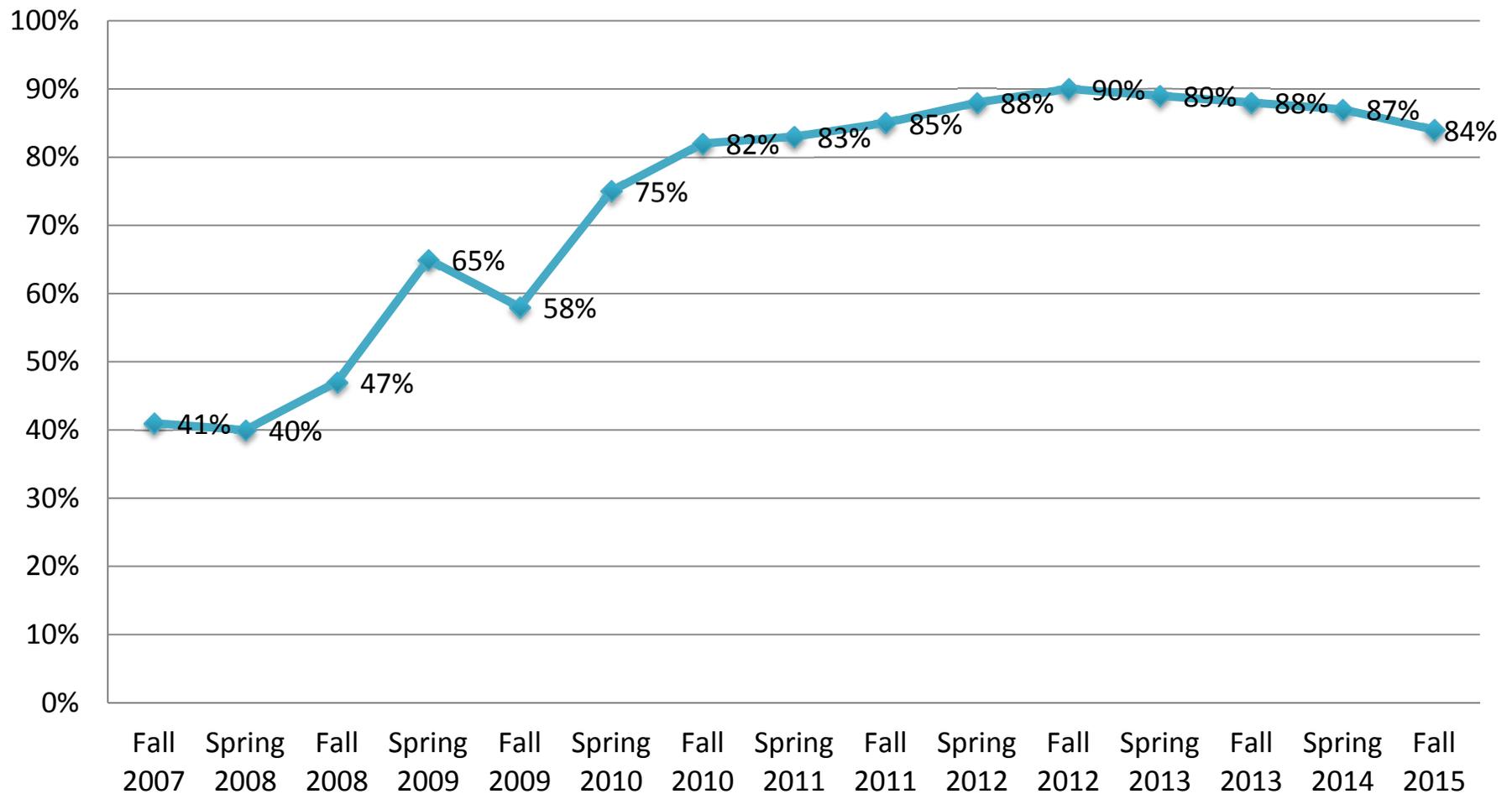
- Achieve and sustain an immunization coverage rate of at least 80% in children 2-3 years old receiving the 4:3:1:3:3:1 series by 24 months of age.

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Clinical Services: *Immunizations*

Pinal County Immunization Rate among 2-3 year olds by 24 months for 4:3:1:3:3:1 Series (+4 PCV since 2012)



Performance Management: *Substance Abuse Education*

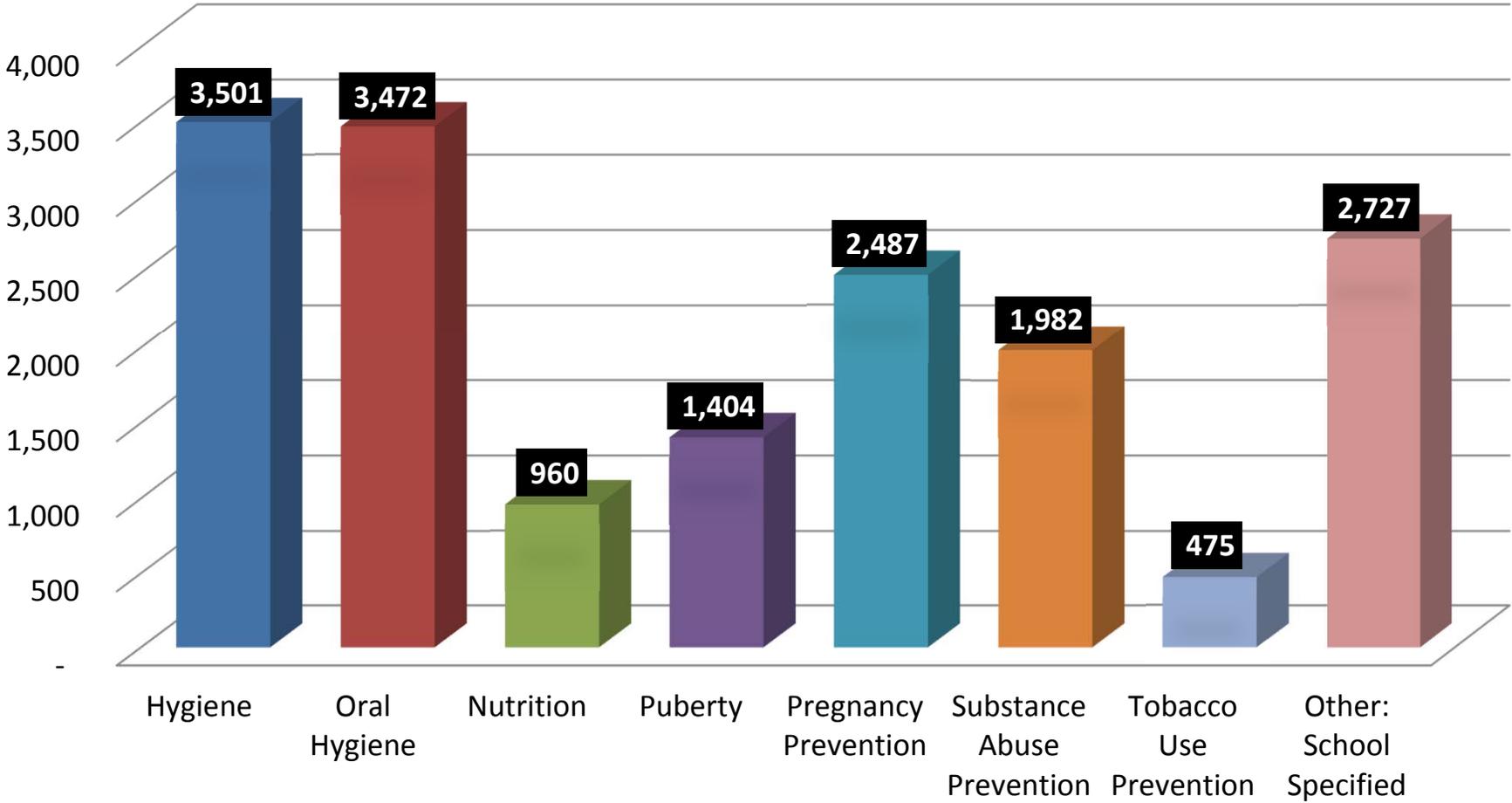
- 100% of K-12 schools who request substance abuse education will receive the service.
 - 1,982 students at 17 K-12 schools received substance abuse education during FY 2014-15.

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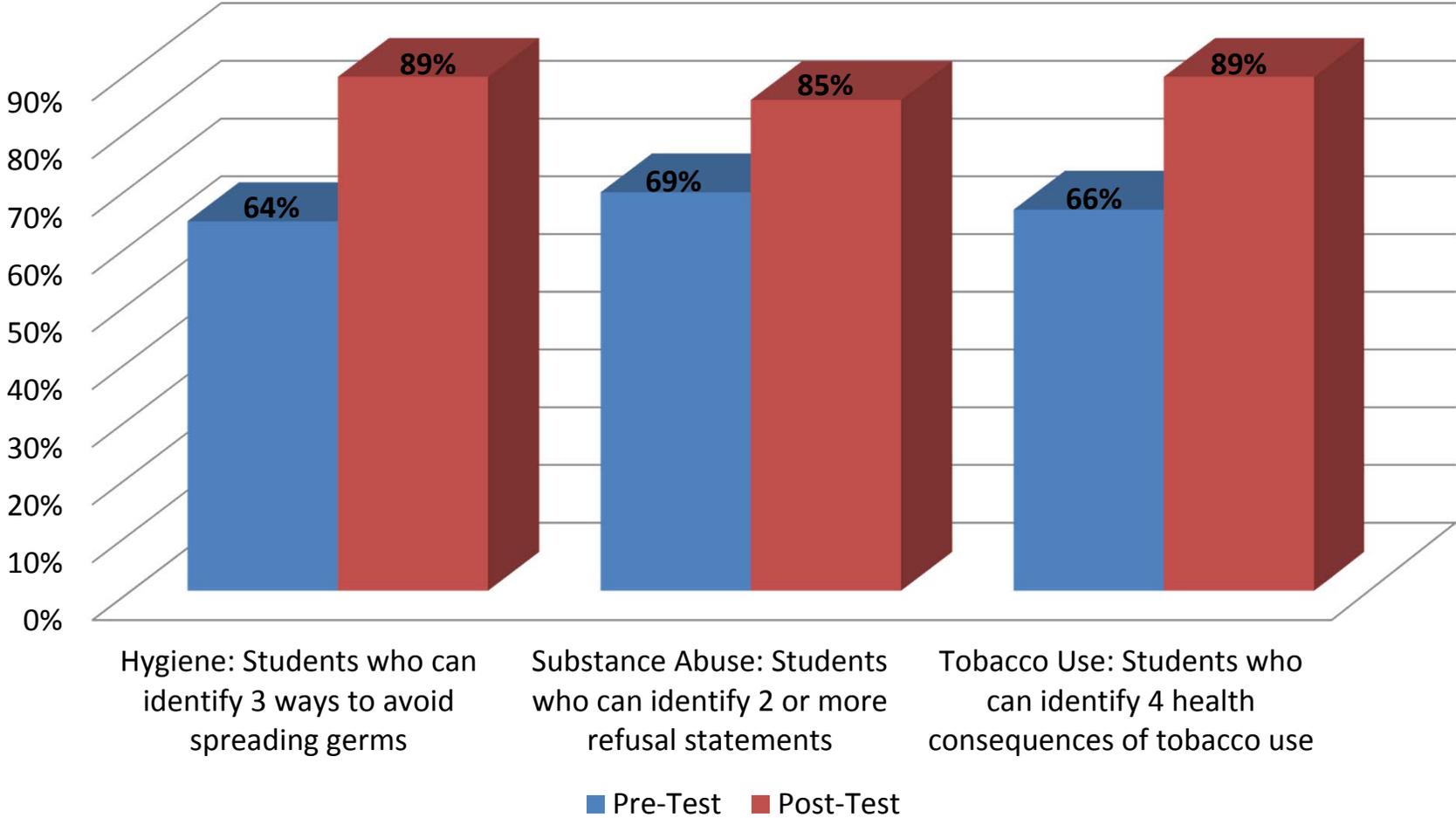
School Health Liaison Program

**Pinal County Public Health Services District
FY 2014-2015 K-12 Students Served by School Health Classroom Education Topic**



School Health Liaison Program

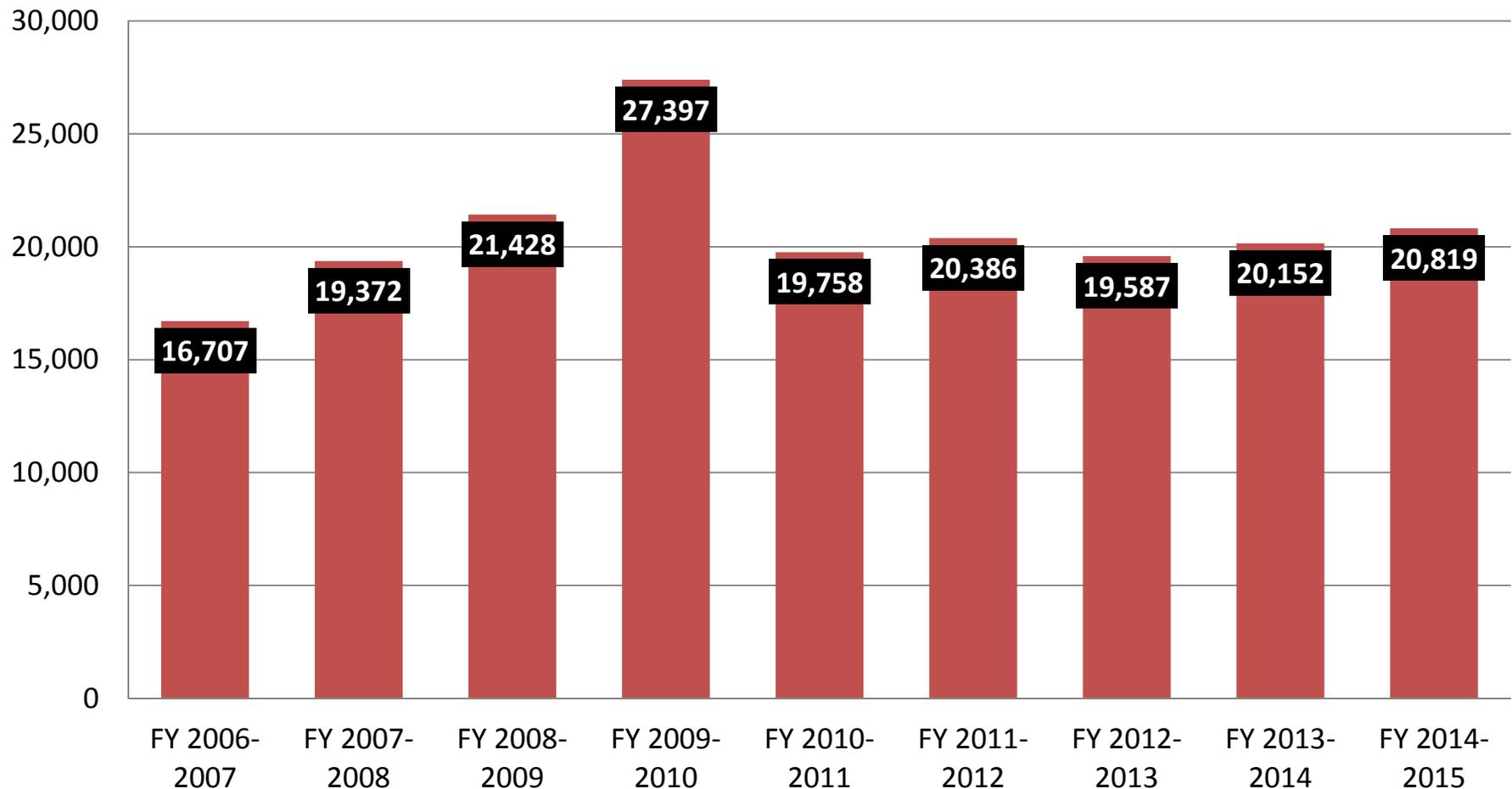
Pinal County Public Health Services District School Health Liaison Program: K-12 Students Pre- and Post-Test Knowledge



Clinic Services

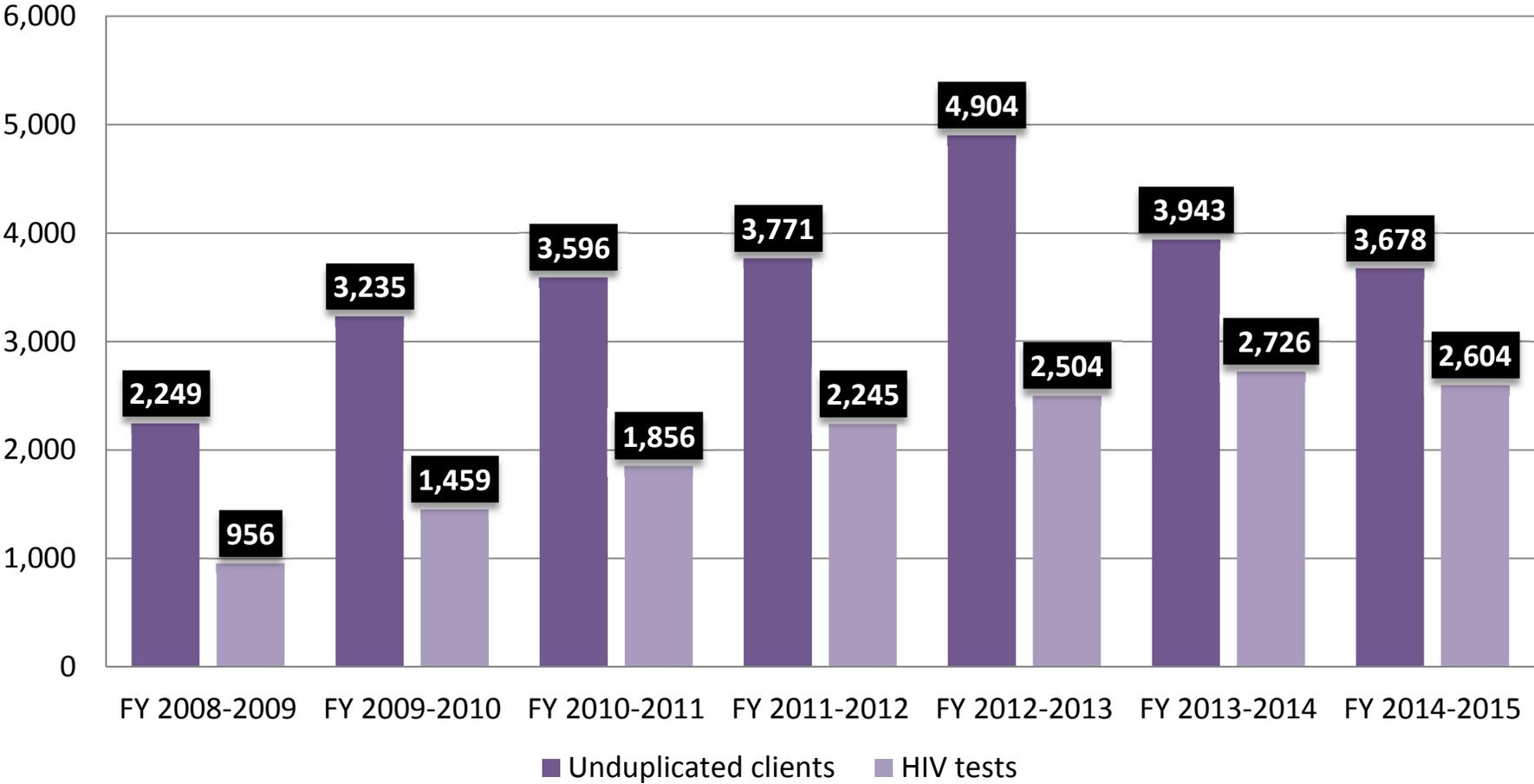
Clinic Utilization: *Nursing Services*

**Pinal County Public Health Services District
Community Health Nursing Total Encounters by Fiscal Year**



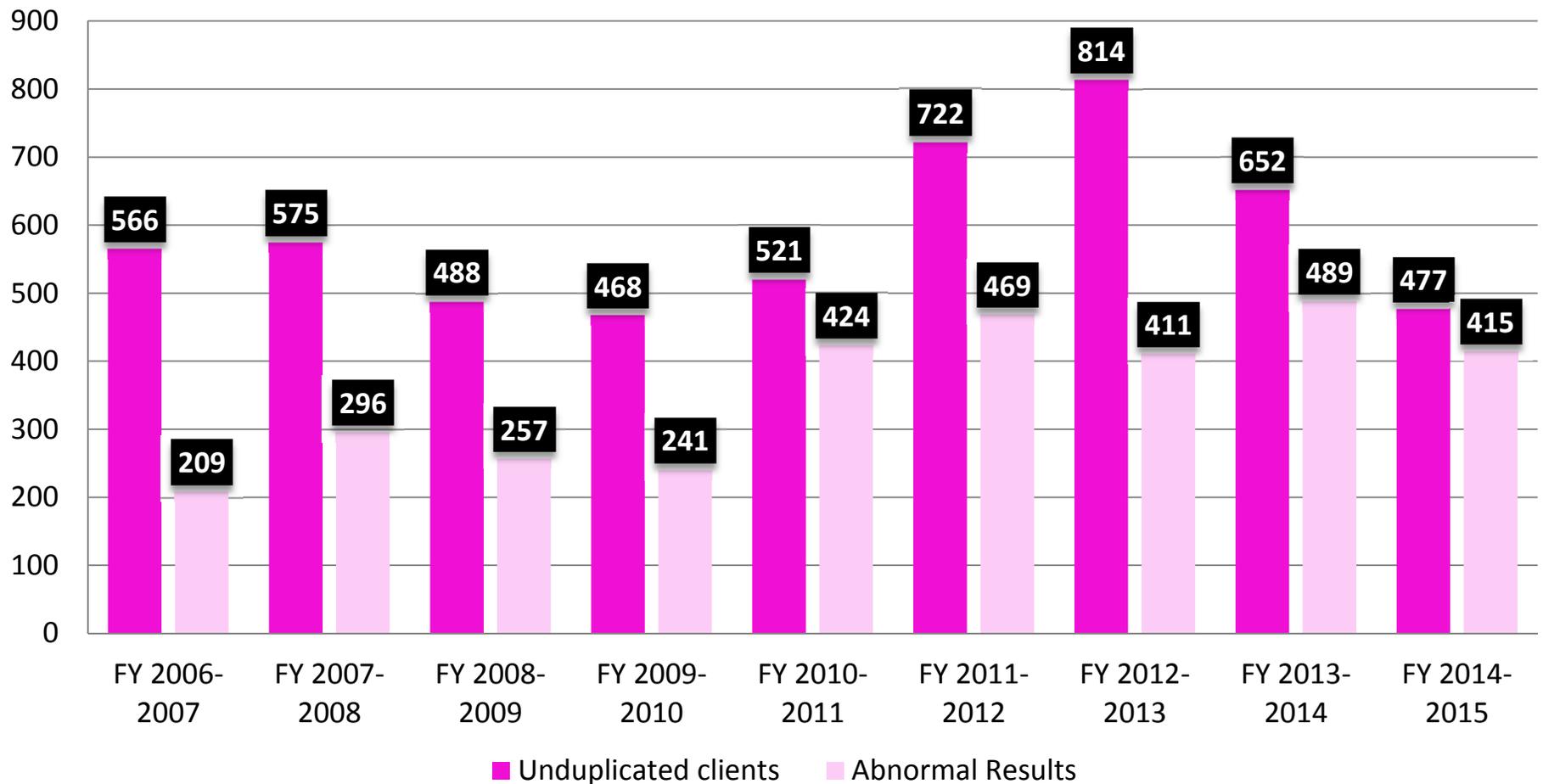
Clinical Services: *Family Planning*

**Pinal County Public Health Services District
Arizona Family Health Partnership Clients and HIV Tests by Fiscal Year**



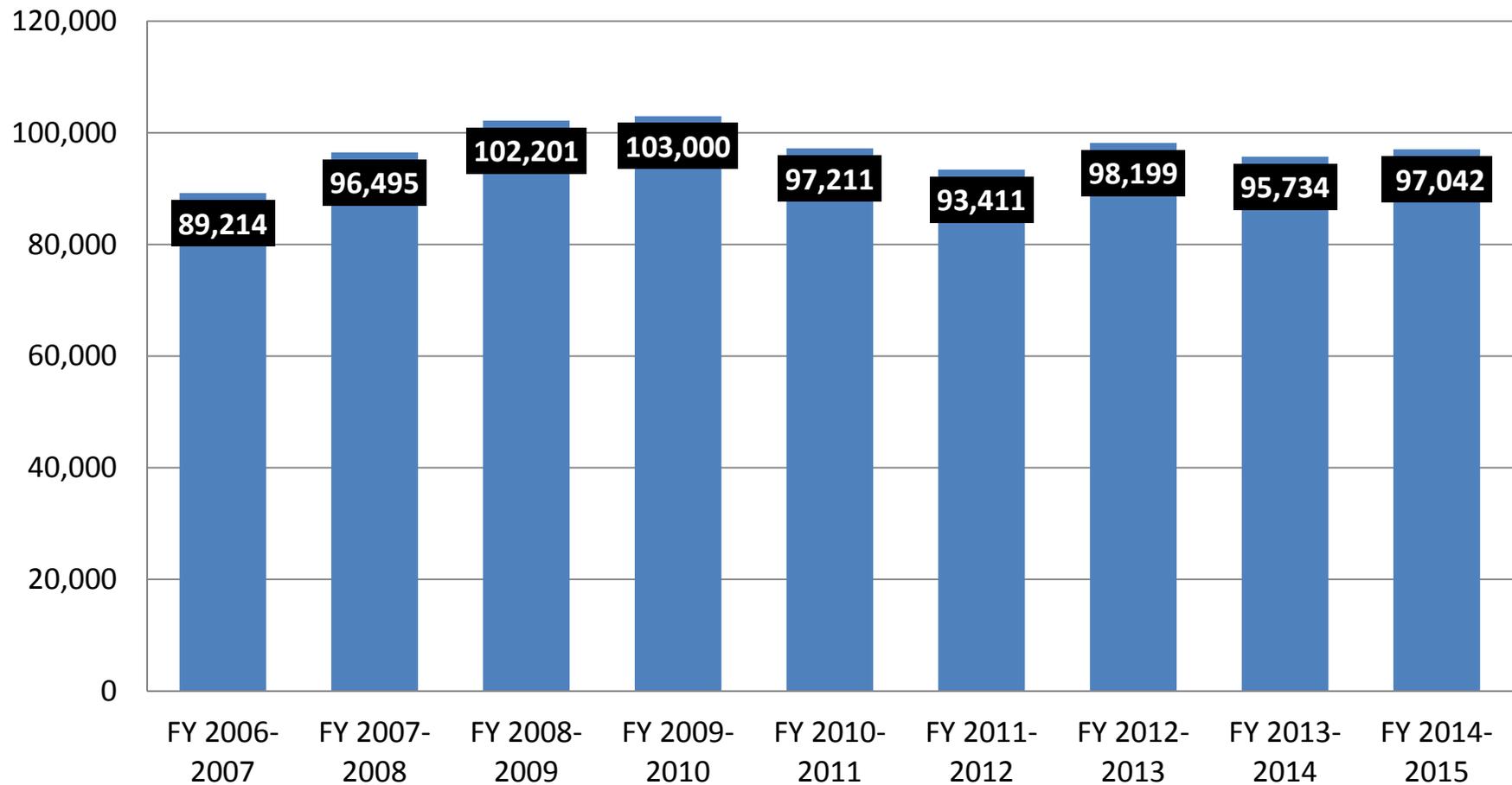
Clinical Services: *Cancer Screening*

**Pinal County Public Health Services District
Well Woman Health Program Clients and Abnormal Results by Fiscal Year**



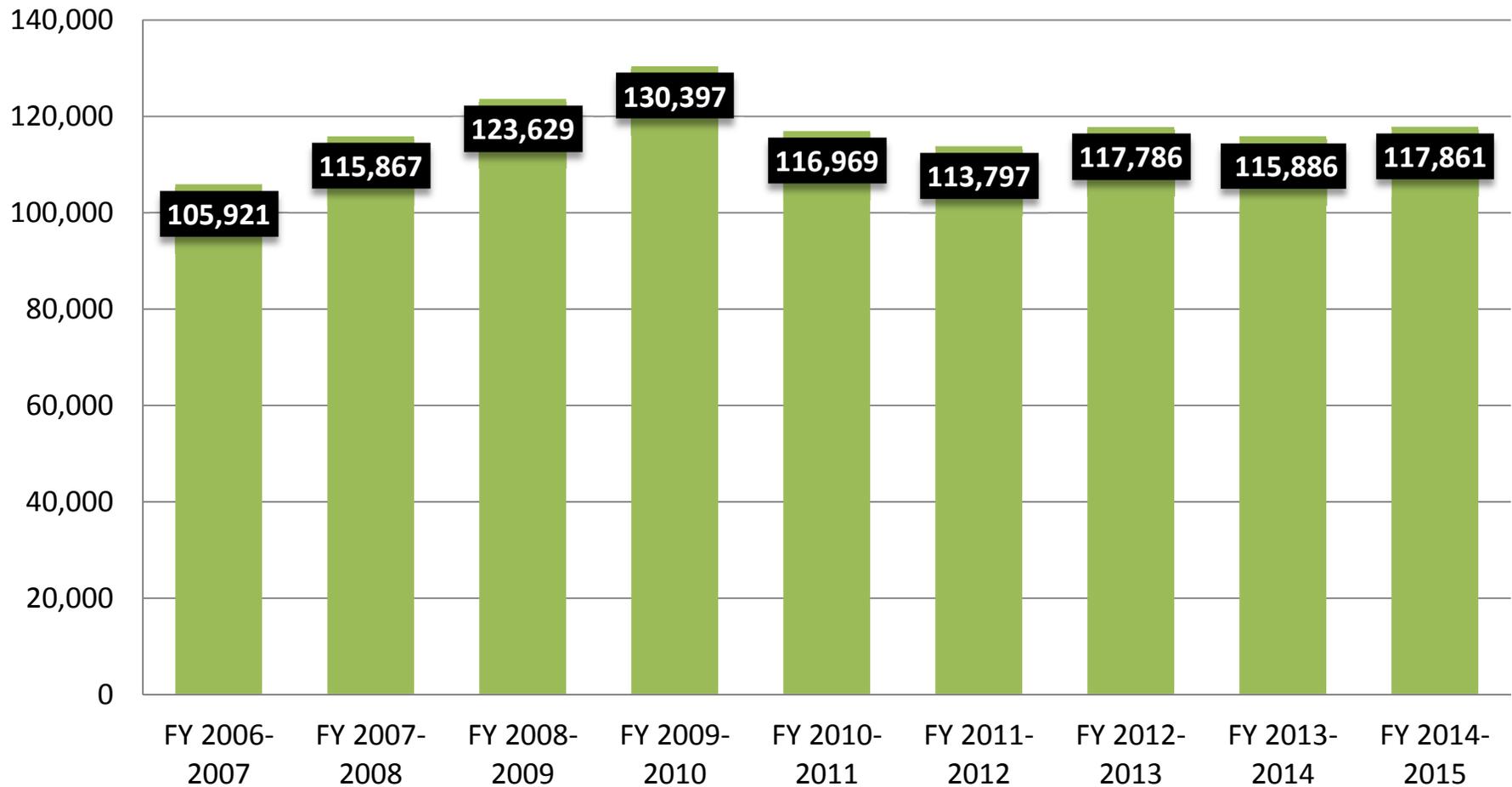
Clinic Utilization: *WIC Services*

**Pinal County Public Health Services District
Women, Infants and Children (WIC) Total Encounters by Fiscal Year**



Clinic Utilization: *Total Services*

Pinal County Public Health Services District Total Clinic Encounters by Fiscal Year



Performance Management: Nutrition Services

- By 2019, PCPHSD will...
 - Provide WIC services to 8,150 participants per month; and
 - Provide at least 12 Diabetes Support Group of Chronic Disease Self-Management Program Classes countywide. **ON TRACK**



Public Health Nutrition

- 97,042 WIC clients were served with nutrition education and food package (women, infants, and children);
- 17,104 Community Supplemental Food Program (CSFP) clients were served with food boxes (women, children, and elderly).
- Additional education and outreach services were provided by the Lactation Counselor and Diabetes Prevention and Education Programs throughout the County.
- Public Health staff received Stanford “Healthy Living” training to facilitate 6-week classes on Chronic Disease Self Management.

Performance Management: *Environmental Health*

- Achieve 95% of risk based frequency requirements for inspection of permitted facilities.
 - 3,255 (97%) routine inspections were performed on 1,268 permitted food establishments during FY 2014-15.

ON TRACK



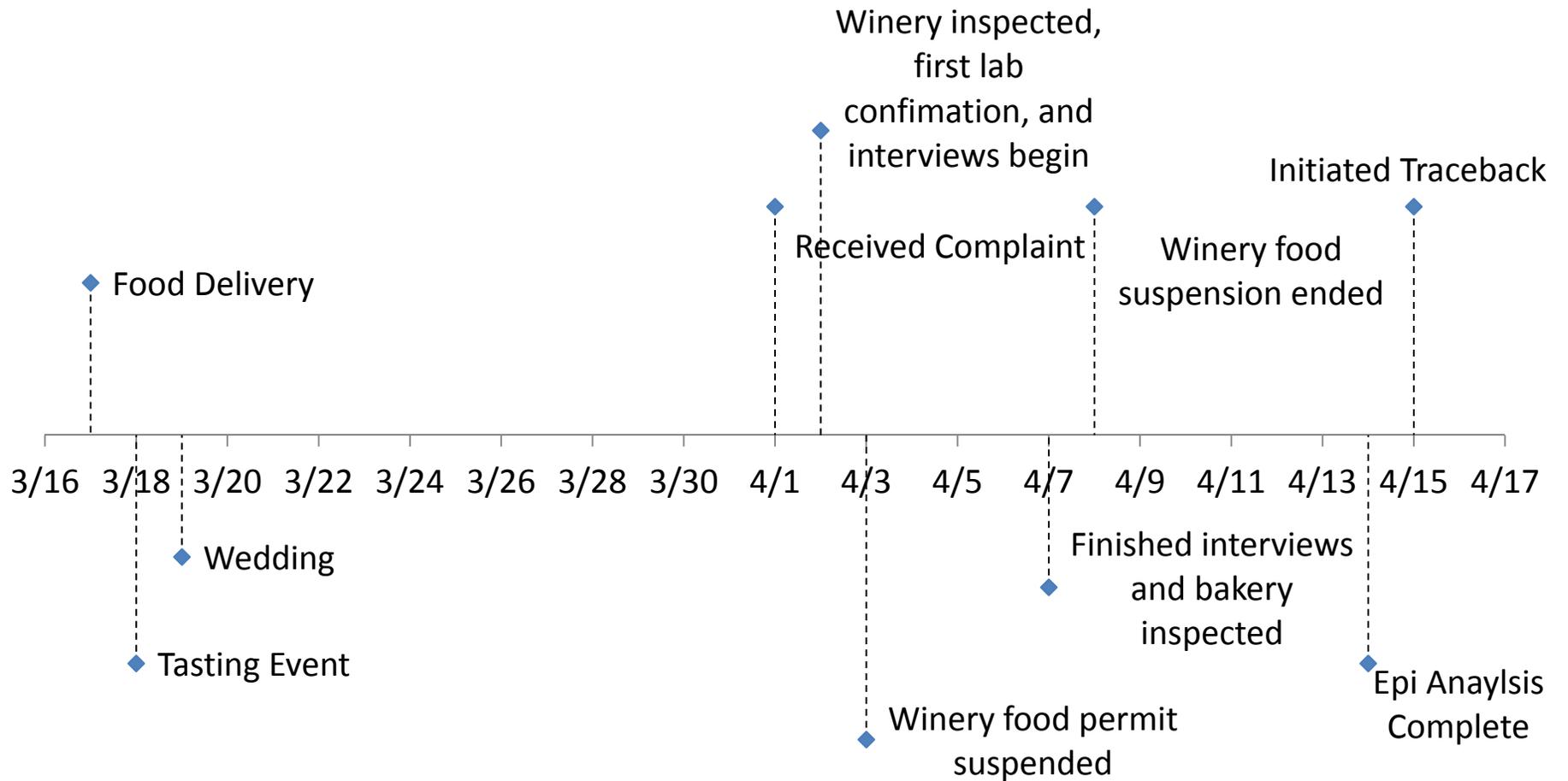
Environmental Health

- 3,255 (97%) routine inspections were performed on 1,268 permitted food establishments during FY 2014-15.
- Environmental Health code was approved and went into effect March 1, 2015.
- Additional outreach was provided to 886 participants as food safety education group event presentations and 171 customers as food safety consultations.

Salmonella Outbreak Response

- Investigation conducted jointly by Environmental Health Services and Epidemiology and Infectious Disease Staff in 2015.
- 107 interviews completed, including 38 people who met the case definition.
- Multiple health inspections completed of wedding facility and bakery linked to the foodborne outbreak.

Salmonella Outbreak Response



Vector Control

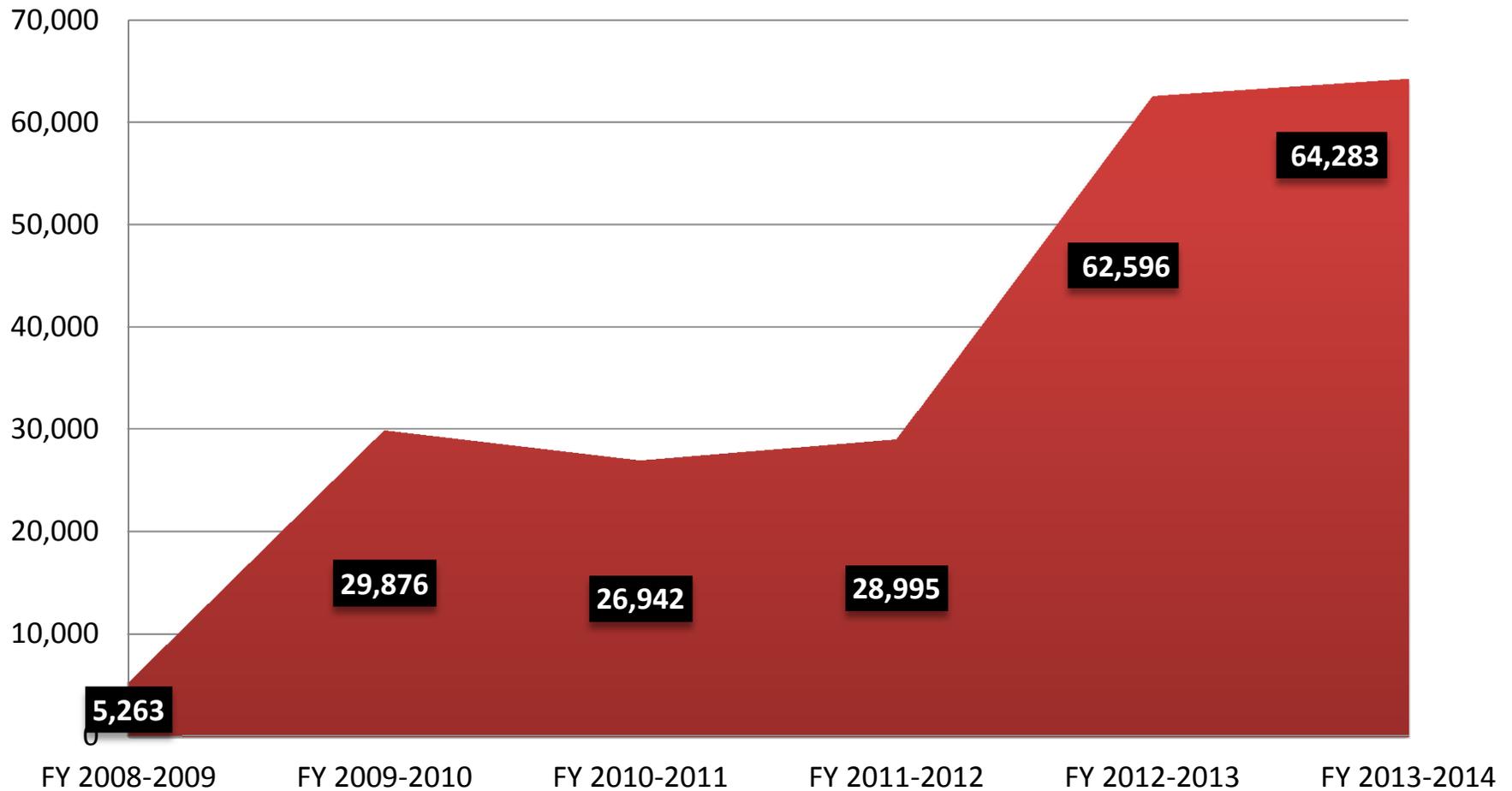
- 1,605 complaints investigated/evaluated, including an increase in mosquito surveillance in response to West Nile Virus concerns.
- During the summer of 2014, the West Nile Virus index was used on a trial basis. Our goal this year was to determine appropriate threshold levels for the index and applicable abatement strategies associated with the risk level. We are developing policies to implement the index on a trial basis.

Vector Control

Risk Level	Probability of human outbreak	Criteria (only one needs to be met)	Recommended Response
0	None	No Vector mosquito activity	Update plan
			Conduct Surveillance
			Work with community partners
1	Low	0.5 VI	Identify breeding sites and eliminate or larvacide
		Vector Activity Expected Based on Historical Data	Work with community partners
		Vector Mosquito Activity / Positive Mosquitoes in Neighboring County	Increase surveillance
2	High	0.75 VI	Identify breeding sites and eliminate or larvacide
		Local Human Cases Identified	Initiate fogging in high risk areas as appropriate
		Repeatedly Positive Mosquito Pools at a Site	Increase communication to public
3	Ongoing	>1.0 VI	Identify breeding sites and eliminate or larvacide
		Multiple Human Cases in One Geographic Area - Outbreak of Arboviral Disease	Prioritize fogging of affected area Work with media and community aggressively to increase prevention activities

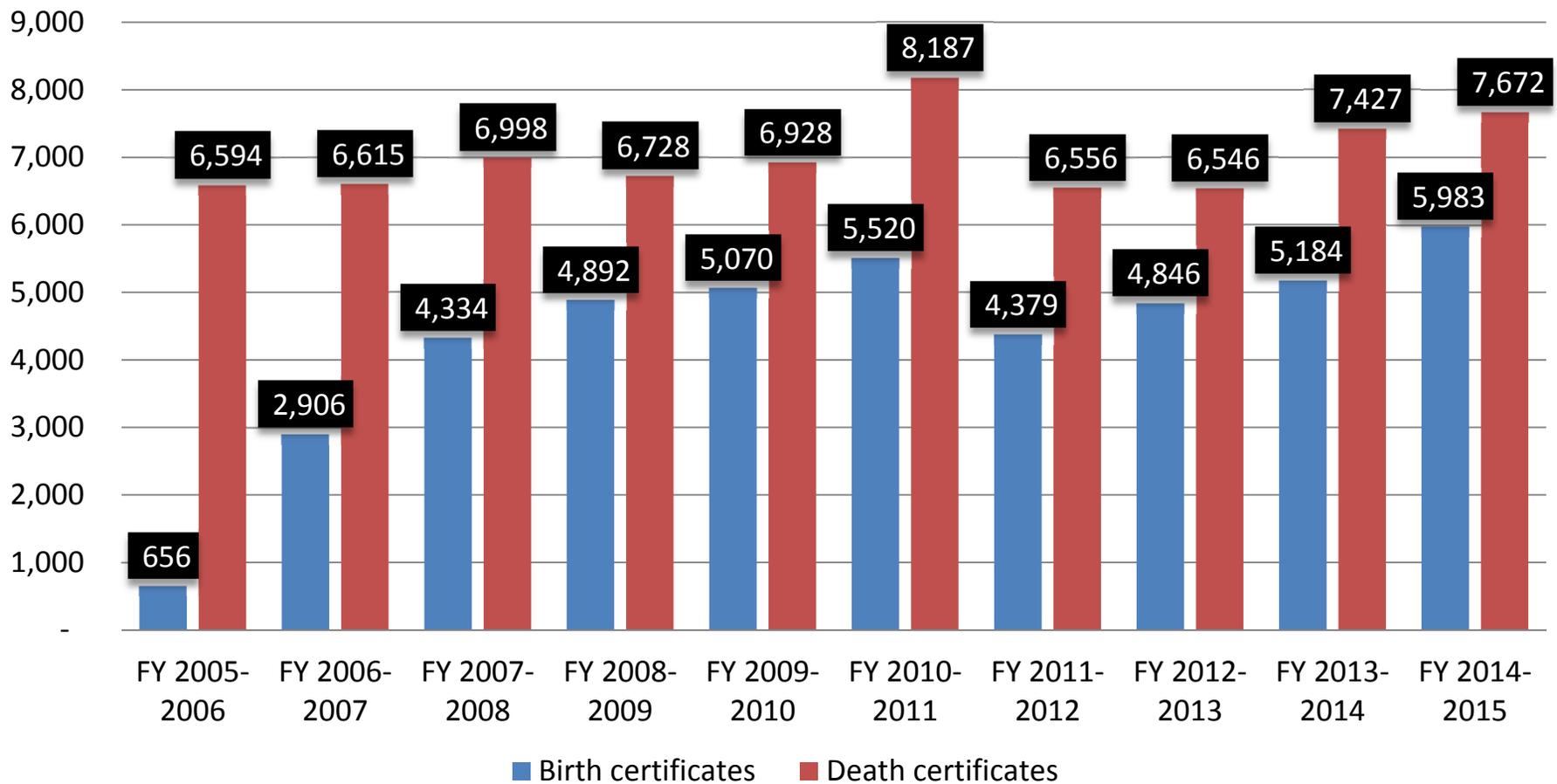
Central Appointment Desk

Pinal County Public Health Services District CAD Phone Calls by Fiscal Year

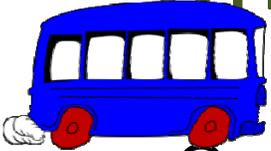


Vital Records

Pinal County Public Health Services District Birth and Death Certificates by Fiscal Year



On the Go Express Transportation



- On the Go Express currently provides the only transportation service in Eastern Pinal County for vital services often located more than 60 miles away from communities with three drivers.
- 3,540 trips provided for medical appointments and provisions to elderly and disabled residents.
- Additional services include 2,506 food box deliveries, grocery shopping, and prescription pick up and deliveries.

Performance Management: *Public Health Preparedness*

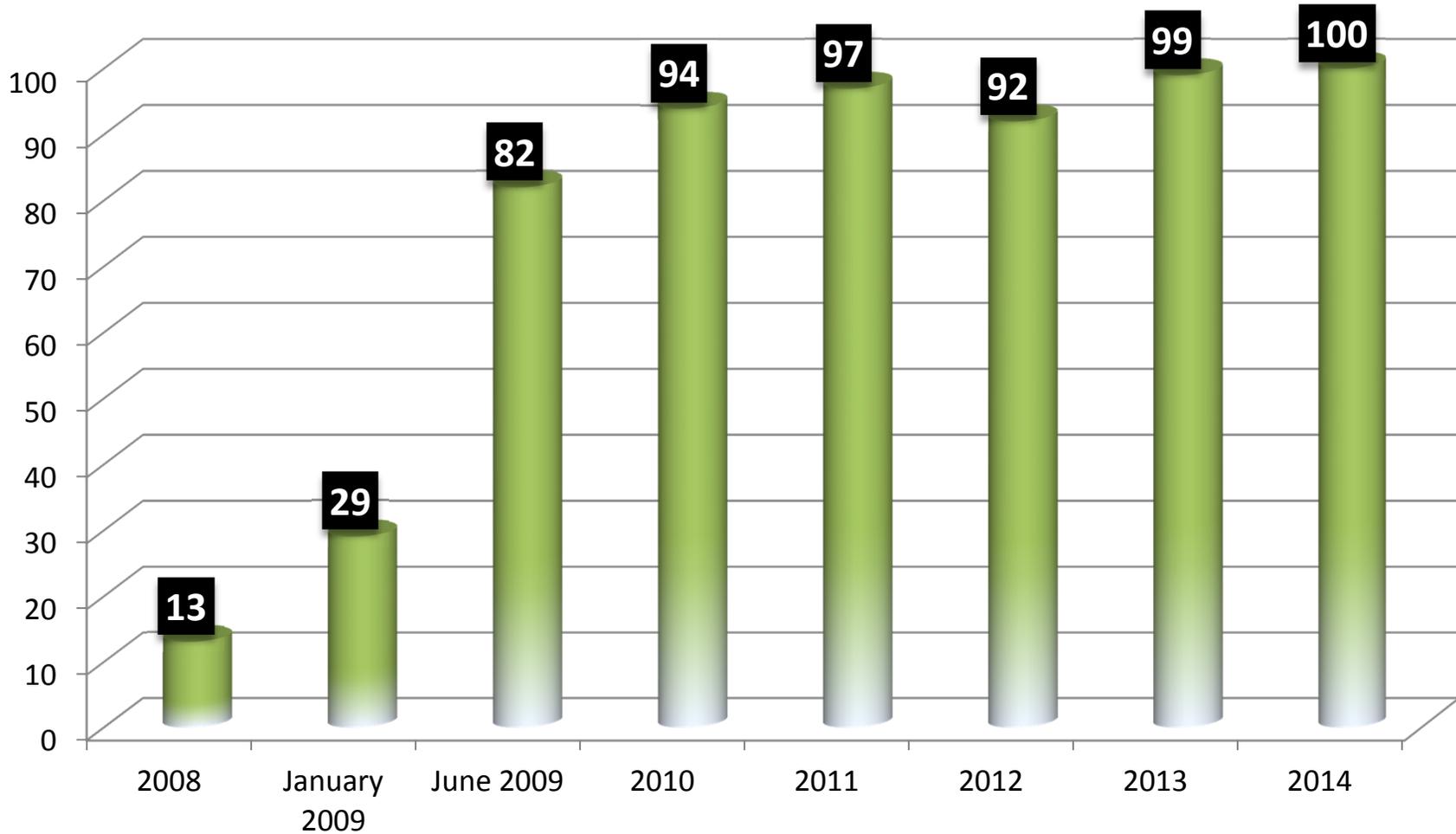
- Maintain a Cities Readiness Initiative preparedness level LTAR score above 90%.

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Public Health Preparedness

Pinal County Public Health Services District
CDC Local Technical Assistance Review Scores by Fiscal Year



Public Health Emergency Preparedness and Response

- Involved in multiple responses during FY 2014-2015, including managing Public Health operations during disease outbreaks and Kearny River Fire.
- Activated multiple call centers to manage operational communication.
- On the Go Express on standby to evacuate residents during Kearny River Fire.

Accomplishments

- Pinal County received **six** TAPI Daniel T. Cloud Awards in recognition for excellence in childhood immunizations.
- Infectious Disease and Epidemiology, Environmental Health, Public Health Clinic, and School Health Liaison Programs worked collaboratively with other Pinal County staff to respond to multiple outbreaks.
- Community Health Division created with a focus on Public Health policy and establishing healthy communities.

Accomplishments

- Implemented the new Environmental Health Code.
- Investigated a large scale foodborne outbreak.
- Integration of admin support for Correctional Health Services to increase efficiency.

Areas of Concern

- Low vaccination rates in some schools makes our communities vulnerable to vaccine preventable disease outbreaks.
- Casa Grande facility is inadequate for the client volume.
- Attracting and retaining qualified staff continues to be an issue.

Goals for Next Year

- Determine a plan to improve the Casa Grande facility and determine a funding source (possibly a federal grant for 50%)
- Develop the Community Health Division to improve the health out our communities and the competitiveness of our businesses and schools.

Revisiting the Issue of Accreditation

- Public Health Accreditation Board (PHAB) created voluntary Public Health Accreditation
- Standards were created and implemented in 2011 and have since been revised to add additional requirements.
- Several Arizona County Health Departments and the State Health Department are seeking accreditation

Costs of Accreditation

Fees (not including travel costs)	\$32,000
Staffing costs for prep (1 FTE x 6 yrs)	\$372,000
Additional programs required by new standards?	\$150,000
Staff time (existing staff)	\$180,000
Total cost of obtain and maintain accreditation for 5 years	\$734,000

Benefits of Accreditation per PHAB

- Identifies strengths and areas for improvement
- Stimulated quality and performance improvement
- Competitiveness for funding opportunities
- Documentation of capacity to deliver core functions of a public health agency

Concerns

- Cost is significant and the benefits are highly subjective and based on surveys of accredited department staff
- The continual changing of standards could require us to do programs we don't find effective
- Arizona departments report that the demands for documentation result in high administrative burdens

Recommendations

- Implement the elements of accreditation that show value such as quality improvement
- Hold off on committing to any accreditation activities until a positive return on investment can be demonstrated and the PHAB has shown the discipline to not add additional requirements every year or two

Questions or Comments?



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