



Influenza Update

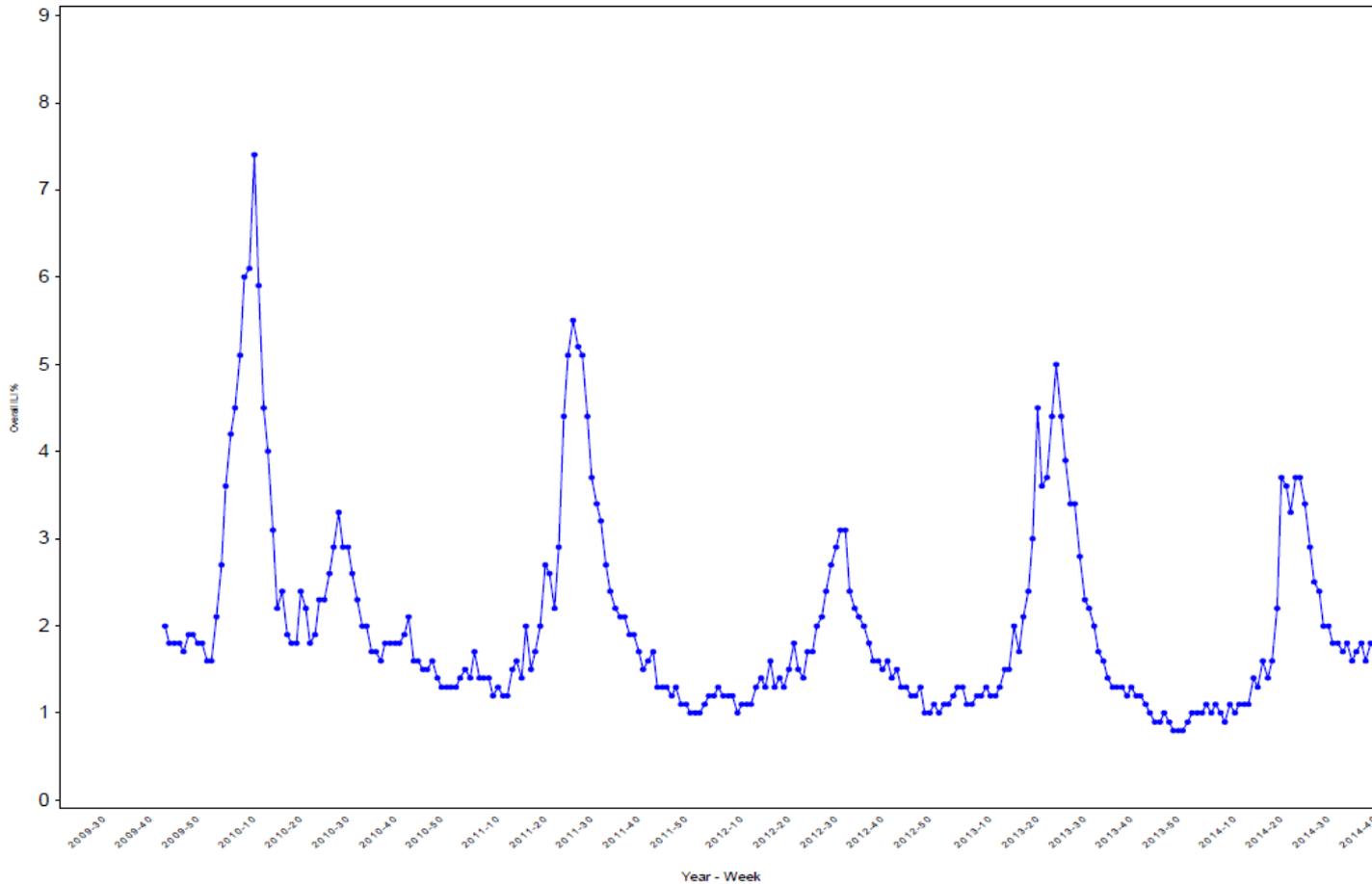
October 14th, 2014
Amy V. Groom, MPH
IHS Immunization Program
Manager



Objectives

- Describe current influenza-like-illness trends across the IHS
- Know influenza vaccine coverage rates for their IHS Area
- Identify 2 strategies to increase influenza vaccine coverage in AI/AN communities

All IHS Areas
Influenza-Like Illness (ILI) All Surveillance Years-Continuous
Percentage of Visits for ILI per week
05/31/09 to 10/11/14



Proportion of Outpatient Visits for Influenza-Like Illness (ILI)

Percent ILI for Flu Year 2014-2015

ILINet vs. IIAS

09/28/14 to 10/11/14



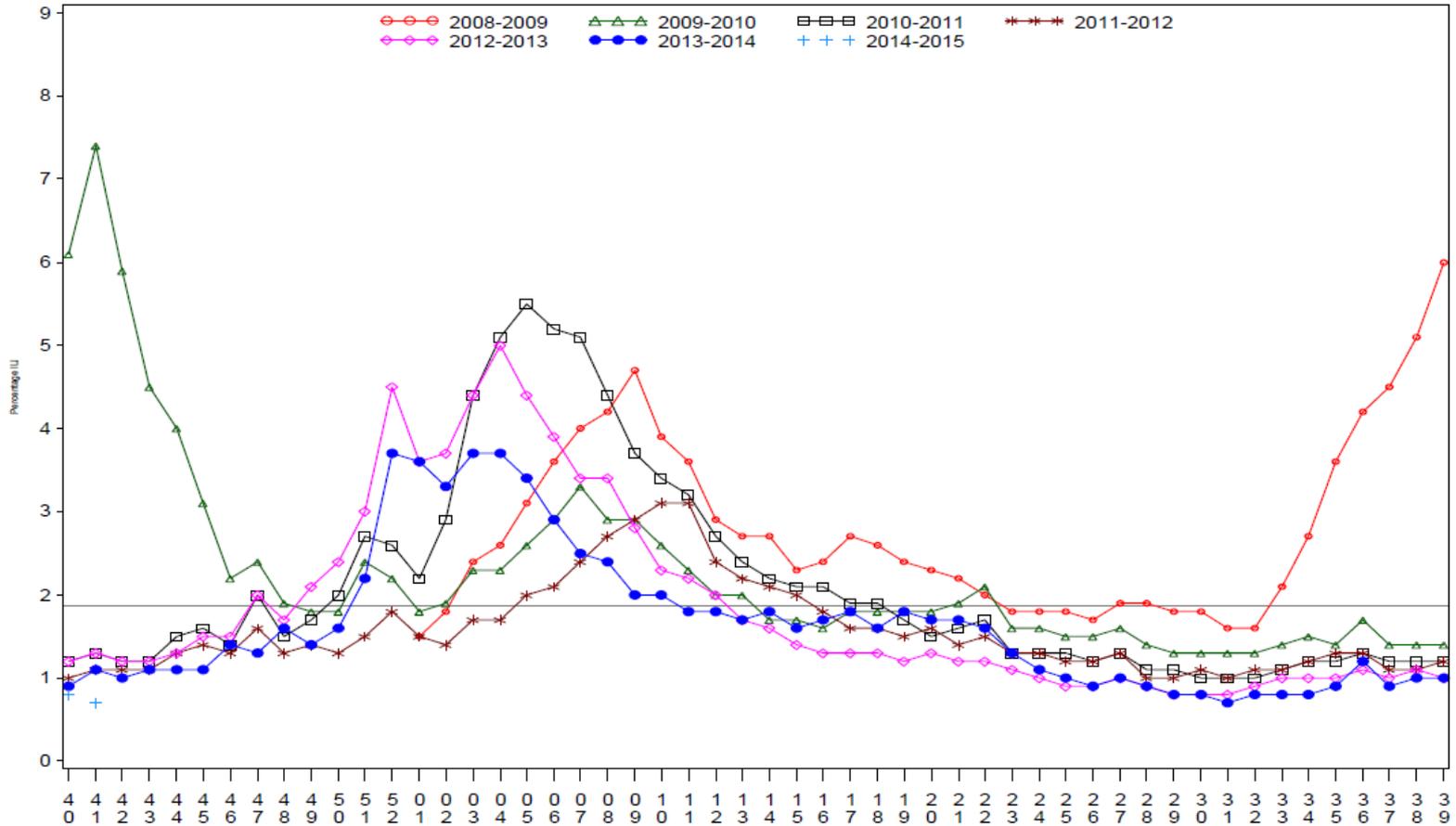
Percentage of ILI visits is number of ILI visits divided by total number of daily visits (outpatient visits).
 The horizontal line represents the 2013-2014 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.
 Sources: ILINet - CDC Sentinal Surveillance System for Influenza-Like Illness, IIAS - IHS Influenza Awareness System

All IHS Areas

Influenza-Like Illness (ILI) for All Surveillance Years

Percentage of Visits for ILI per week

01/04/09 to 10/11/14



Percentage of ILI visits is number of ILI visits divided by total number of daily visits.

The horizontal line represents the 2013-2014 baseline. The baseline is the mean percentage of patient visits for ILI during non-influenza weeks for the previous three seasons plus two standard deviations.

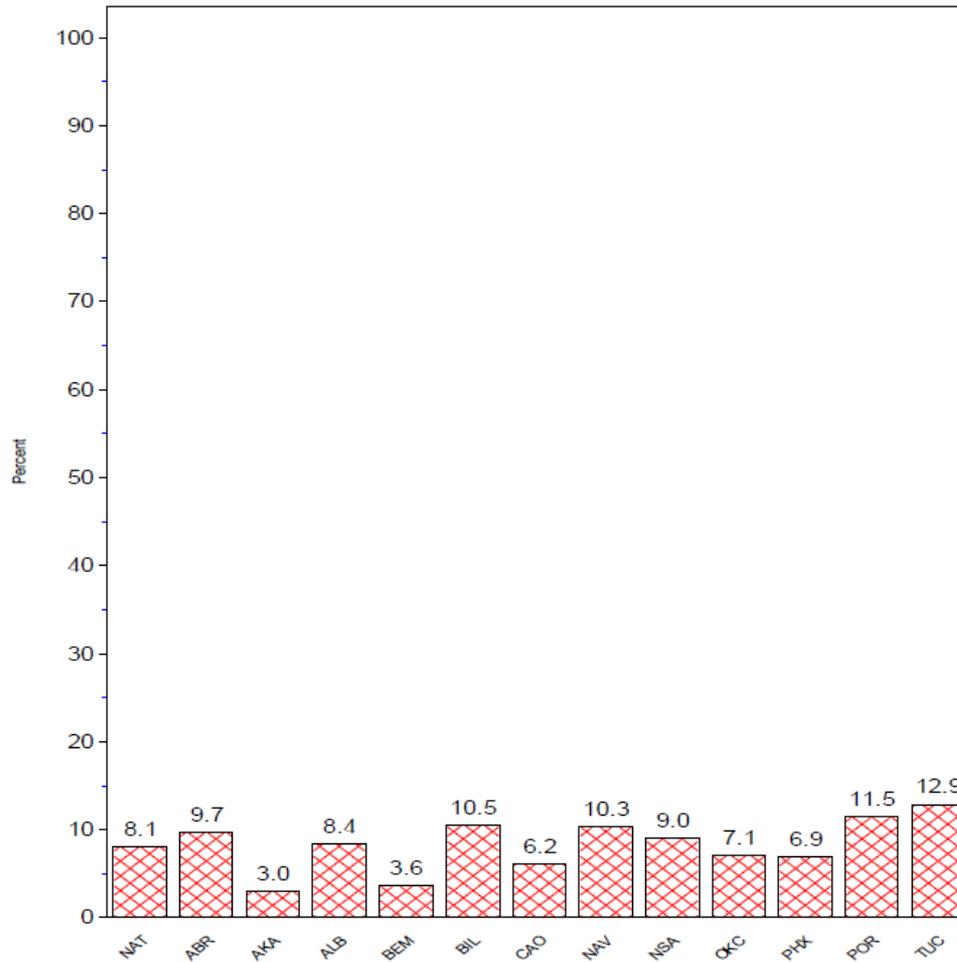
Seasonal Influenza Vaccine Coverage by Age Group*
 06/29/14 to 10/11/14
 Active Clinical Population**

Age Group	Active Clinical Population*	Seasonal Flu Vaccine (At Least 1 Dose)***	% Seasonal Flu (At Least 1 Dose)	Seasonal Flu Vaccine (At Least 2 Doses)	% Seasonal Flu (At Least 2 Doses)	Total #Doses Administered*** *
0 - 5 months	5,377	24	0.4	4	0.1	28
6 - 23 months	26,810	2,394	8.9	15	0.1	2,412
2 - 4 years	64,427	3,950	6.1	10	0.0	3,966
5 - 17 years	240,195	14,144	5.9	46	0.0	14,215
18 - 49 years	507,136	32,994	6.5	121	0.0	33,271
50 - 64 years	201,969	23,277	11.5	98	0.0	23,487
65 + years	112,785	16,486	14.6	71	0.1	16,682
Children (6 months-17 years)	331,432	20,488	6.2	71	0.0	20,593
Adults (18 + years)	821,890	72,757	8.9	290	0.0	73,440
All (6 months +)	1,153,322	93,245	8.1	361	0.0	94,033

Influenza Vaccine Coverage by Age Groups-All (6 months +) for National Area

06/29/14 to 10/11/14

% Seasonal Flu (At Least 1 Dose) for Active Clinical Population



SPIRIT LAKE HEALTH CENTER

ABERDEEN SERVICE AREA

FORT TOTTEN, ND TYLER LANNOYE,
PHARM D

PREVENTING INFLUENZA ON THE SPIRIT LAKE RESERVATION



THE PRACTICE PROFILE

- ✘ 6000 total eligible patients
 - + Females: 51%
 - + Males 49%
- ✘ User pop of about 4000 during project

- ✘ Estimated Age Distribution:
 - ✘ Birth – 10 years: 26%
 - ✘ 11 – 18 years: 13%
 - ✘ 19 – 45 years: 39%
 - ✘ 46 – 64 years: 17%
 - ✘ 65 – 79 years: 4%
 - ✘ 80 + years: 1%

THE PRACTICE PROFILE

Top 10 Diagnoses/Conditions

1. Hypertension
2. Diabetes Mellitus w/o Complications
3. Hyperlipidemia
4. Esophageal Reflux
5. Depression
6. Asthma
7. Neuropathy in Diabetes Mellitus
8. Tobacco Use Disorder
9. Hypothyroidism
10. Chronic pain

Top 5 Referrals

1. Chest Pain
2. Alcohol Abuse
3. Joint Pain
4. Coronary Atherosclerosis
5. End Stage Renal Disease

SERVICES PROVIDED

✘ Main Clinic

- + Pharmacy
- + Lab
- + Radiology
- + Outpatient Care

✘ Outside Main Clinic

- + Behavioral Health
- + Dental
- + Public Health Nursing

IDENTIFYING A NEED

- ✘ IMMUNIZATION RATES WERE REVIEWED AND IT WAS OBVIOUS WE NEEDED TO IMPROVE
- ✘ THE LARGEST USER POPULATION WAS AGES
 - 18-49
 - ✘ This group also had the second lowest immunization rates.
 - + The second largest group was the 5-17 YOA group
 - + The third largest group was 50-64 YOA

WHERE TO MAKE THE IMPACT

- ✘ It was very important to decide where we could have the most immediate impact.
 - + The 5-17 group would be harder for us to target because it would have to be done in the schools and would take a lot of collaboration.
 - + The 18-64 YOA would be easy to target and we could begin immediately.

GOALS

- ✕ INITIAL
 - + IMMUNIZE MORE COMMUNITY MEMBERS AGAINST THE INFLUENZA VIRUS
 - + FOCUS ON AREA WHERE LARGEST IMPACT
 - COULD BE MADE
 - + MAKE INFLUENZA IMMUNIZATION “STANDARD”
 - PRACTICE FOR ALL WHO PROVIDE CARE
 - + INFORM PATIENTS ABOUT BENEFITS OF
 - IMMUNIZING

GOALS

- ✕ INTERMEDIATE
 - + INCREASE ALL IMMUNIZATIONS IN ALL AGE GROUPS
 - + INCREASE COMMUNITY AWARENESS AND
 - KNOWLEDGE ABOUT VACCINATIONS
 - + ADVERTISE OUR GOALS AND MAINTAIN STAFF
 - MOTIVATION

GOALS

× LONG TERM

- + PROMOTE, DEVELOP, AND MAINTAIN WELLNESS
IN THE COMMUNITY

WHY PHARMACY

- ✘ Pharmacy took leadership of PI project
 - + Pharmacists generally see more patients throughout the day than any other department
 - + Pharmacists are an integral part of the healthcare team
 - + Pharmacists are one of the most accessible members of the healthcare team
 - + Tribal groups may not be able to bill

POLICIES AND PROCEDURES

× OLD

- + MANY POLICIES AND PROCEDURES ALREADY IN PLACE

- × REVIEWING THEM AS WELL AS MAKING IT KNOWN WE HAVE THEM WAS KEY

× NEW

- + INVOLVED ALL TO GET MORE ENERGY AND SUPPORT AS WELL AS ADVERTISEMENT ABOUT P&P.

CLINICAL INFORMATION SYSTEMS

- ✘ CLINICAL INFORMATION SYSTEM
 - + DATA COLLECTION & REPORTING
 - ✘ TIME MANAGEMENT
 - ✘ REPORTING CONSISTENCY
 - + EASE OF DOCUMENTATION
 - ✘ MADE IT EASIER TO RECORD AND CODE

ENGAGING COMMUNITY AND LEADERSHIP

✘ LEADERSHIP

+ SUPPORT WAS THERE, WE JUST NEEDED A CATALYST

✘ COMMUNITY

+ INVOLVEMENT FROM COMMUNITY PROGRAMS SUPPORTIVE.

✘ TRIBAL PUBLIC HEALTH NURSES AND BUISNESSES WERE SOMEWHAT HESITANT THE FIRST YEAR BUT BECAME EXCITED FOLLOWING INITIAL SUCCESS.

PLAN 2012-2013

- ✘ In the 2012-2013 flu season, pharmacy changed method of medication dispensing
- ✘ Every person that presented was offered a flu shot
 - + Customers were assured they would not have to wait and could get it right now
 - + Patients who refused the flu vaccine were educated on why they should get it
 - ✘ Sometimes it just takes a little encouragement.

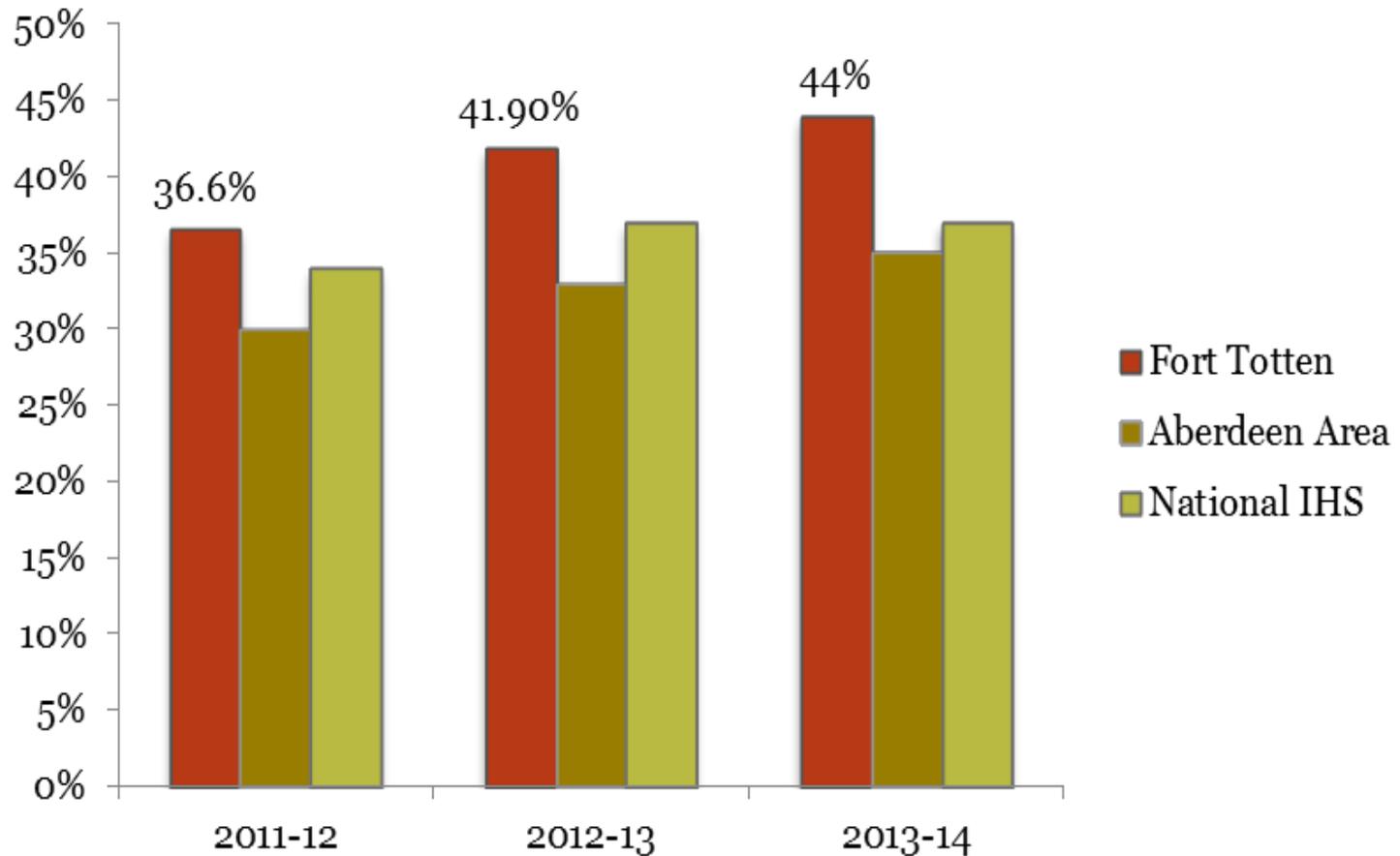
2012-2014

- ✘ Pharmacists opened up communication with the tribal Public Health Nursing Department and the county and state health departments
 - + Worked with appropriate businesses and schools to schedule times when vaccines would be offered outside the clinic

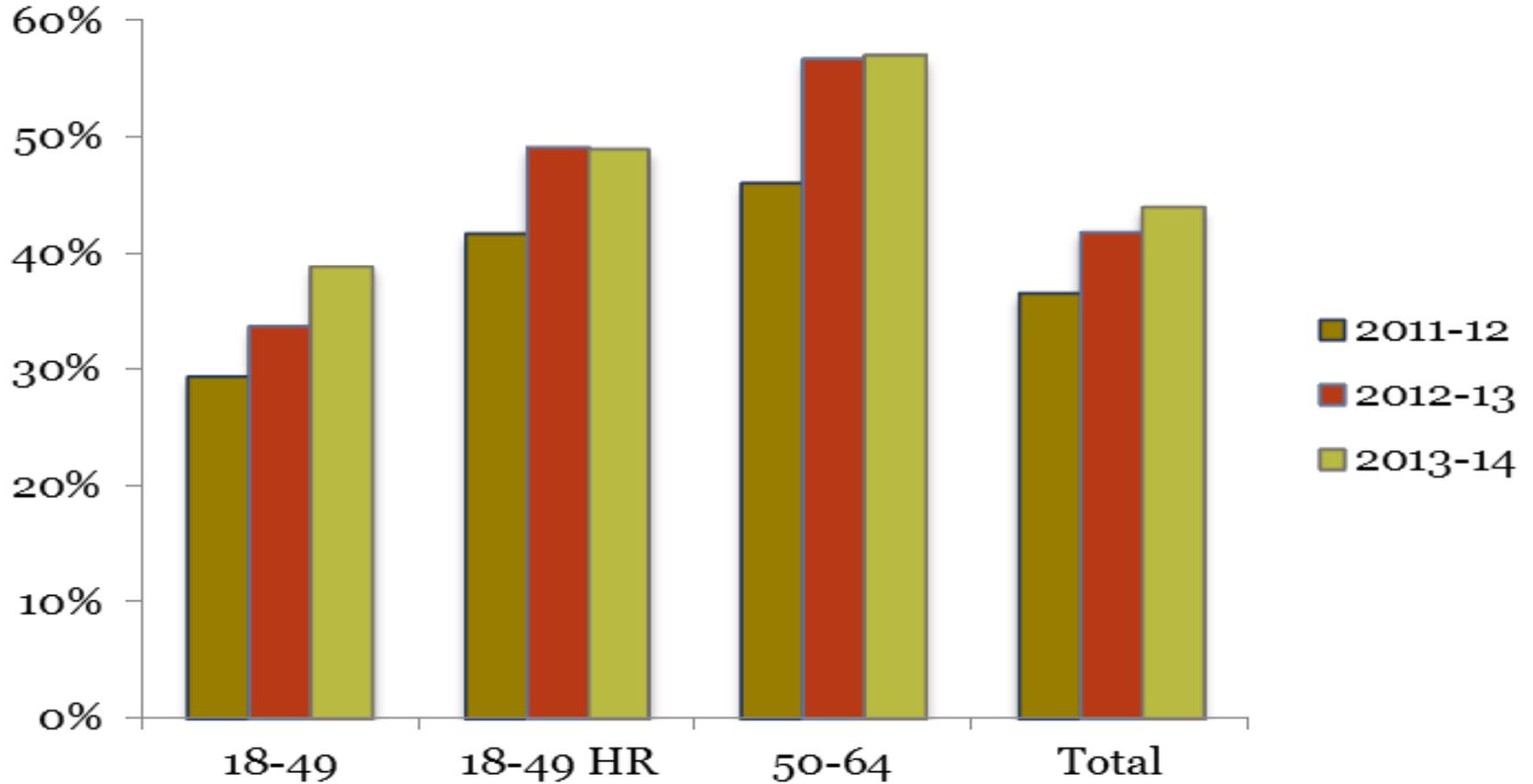
SUCCESS! TWO YEARS OF WORK

- ✘ ALL AGE GROUPS INCREASED FROM 36.6%
- TO 44%
- ✘ 18-49 YOA
 - + RATES INCREASED FROM 29.5% TO 39%
 - + HR 18-49 INCREASED FROM 41.8% TO 49%
- ✘ 50-64 YOA FROM 46.1% TO 57%
- ✘ 65+ YOA FROM 60.3% TO 65%

TOTAL INFLUENZA VACCINATION RATES



FORT TOTTEN PROGRESS



LESSONS LEARNED

- ✘ Involve the community and tribe
- ✘ Use others to advertise for you
- ✘ Pick high traffic times and offer multiple times
- ✘ Let every part of your health care team know what you are up to even if they are not taking part in the actual immunizing.

LESSONS LEARNED

- ✘ Do not settle for letting others do work that you can do
- ✘ Extend a helping hand to help improve other work
- ✘ Often times schools will be more accepting of the clinic planning an event rather than a county or state official
- ✘ Adapt and think outside the box

QUESTIONS?



PUBLIC HEALTH NURSING: Influenza Prevention

Anna Thompson, RN DPHN

De Ann Eastman-Jansen, RN PHN

Rosebud Sioux Tribe

- ▶ Comprised of 20 Communities
- ▶ Encompasses over 1900 Square miles
- ▶ User Population > 12,000
- ▶ Federal PHN Program staff
 - ▶ 1 DPHN
 - ▶ 4 PHNs (one current vacancy)
 - ▶ 1 PHN Technician
 - ▶ 1 part-time Office Support Assistant

Targeted Community Influenza Clinics

- ▶ Infants & Young Children
 - ▶ 6 Head Start locations
 - ▶ Offered at least once from Oct - Dec
 - ▶ WIC Office (mobile)
 - ▶ Offered in conjunction with monthly Childhood Immunization Clinics

- ▶ School Age Children / Adolescents
 - ▶ 4 Schools with Secondary students
 - ▶ 14 Schools with Primary age students
 - ▶ Multi-School Event planned
 - ▶ 1 Juvenile Detention Center
 - ▶ Offered at least once from Oct - Dec

Natalie Keating &
Deb Jackson

Tailgate PHN Style



Targeted Community Influenza Clinics

- ▶ Adults
 - ▶ 1 College Center
 - ▶ 1 Adult Correctional Facility
 - ▶ 1 Casino
 - ▶ 6 Elderly Nutrition Centers
 - ▶ 4 communities have Elderly Complexes
 - ▶ DM Prevention Center
 - ▶ Tribal Headquarters
 - ▶ Other Locations
 - ▶ Grocery Stores
 - ▶ Tree of Life Community Outreach Center
 - ▶ Community Centers in outlying districts

Collaboration

- ▶ PHN Office offers lifespan immunizations every Monday 9am-5pm walk-in
- ▶ OPD offers walk-in vaccination during clinic hours (including extended access on weekends)
- ▶ Pharmacy offers vaccination
- ▶ Calendar of ALL vaccination opportunities is printed on back of immunization recall letters to patients
- ▶ Radio station is provided PSA's and announces daily events throughout the month

Tracking & Evaluation

- ▶ Monitor influenza report on a monthly basis targeting:
 - ▶ kid's age 6 months to 5 years
 - ▶ elders more than 55 years

Questions

