**Vaccine Data Quality – VPD QI Target**

39 error types from Child Profile

* Highest risk to client: administering 2nd dose with known prior anaphylaxis = zero errors
* High risk to client: Live virus and immunocompromised = zero errors

Vaccine data analyzed for previous 6 months: Aug 2011-Jan 2012.

* Monthly dose administered report was obtained from the Insight Doses Administered Report by the month. (Doses from CP do not match SHD data. Some doses are held in deduplication if there is question as to client identity. Insight is our system for vaccine inventory)

Child Profile’s Vaccination Data Quality Report was analyzed for each month:

Know data errors were subtracted from total

* Transfer of SHD correctly administered influenza dose of 0.25ml for children under age 3 was read at CP end as 0.5ml and reported back out as error.
* Additional IPV doses were subtracted as RNs follow the ACIP recommendation vs DOH regarding age appropriate dose after 4 years.
* Medical reasons for certain vaccines were also subtracted from the error total: accelerated A/B schedule, travel MMR under age 12 months, repeat Hepatitis B series post negative serology.

Additional doses were 60% of the error. Most frequent were Hep A, MMR

Minimum interval was 28% of the error. Most frequents were adult Td, IPV

**Causes:**

**Child profile**

* CP not checked
* CP data did not transfer

CP problem - deduplication

Insight – not refreshed, not linked

* CP had no data at time of vaccination

**Client in Insight system**

* Flag, labs, comments not checked
* Refugee – assume all need like vaccine

**Nurse Notes**

Overrides error report: accelerated A/B, travel MMR, repeat Hep B series

**Target Calculation**

From August 2011 through January 2012 *8053* vaccines were administered. *47* errors were tabulated. The overall rate was 5.7/1000 administrations. A 30% improvement would be 4 errors per 1000.