Vaccine Quality Improvement Project - Reduction of vaccine administration errors 2011

**Philosophy:**

Errors in vaccine administration can be reduced by adhering to certain methods

**Methods:**

* Update continuing education by reading current materials on vaccine administration i.e. MMWR, DOH
* Listening to webcasts and attending seminars related to the epidemiology of vaccine-preventable diseases
* Consulting vaccine schedules: child, adolescent, catch-up, adult, medical indications
* Checking client immunization records: immunization booklet, medical printout, Certificate of Immunization Status (CIS), Child Profile Immunization Registry (CPIR), Insight record and other electronic medical records
* Checking each vaccine pulled from refrigerator to match consent form, noting lot # and expiration date
* Following established Snohomish Health District vaccine checklist (5/23/11) every time

**Error analysis:**

* Errors are reported to manager via a Client Incident Report either self generated by RN or requested by manager pending audit review
* Manager discusses with RN; systems change may be recommended i.e. re-label, store vaccine differently, retraining on particular antigen, reporting to Insight

**Considerations:**

* Software interface is not always accurate between SHD (Insight) and CPIR
* Client doesn’t present with paper record at time of check in but then presents record after the shots
* Client paper record is incomplete when compared to electronic record
* Vaccine schedules are more complex in 2011 due to combination vaccines and variations in antigens specific to types of vaccine i.e. rotarix(RV1 + 2 dose) rotate (RV5 + 3 dose)

**Measurement:**

60% of client immunization records will be reviewed by manager starting July 2011

Of the 60%, the manager will track vaccine errors of administration

A determination of the error due to incomplete checklist utilization will be calculated

A record will be kept of pertinent completed continuing education

A comparison of errors from July-Dec 2010 will be made with same time period of 2011.