

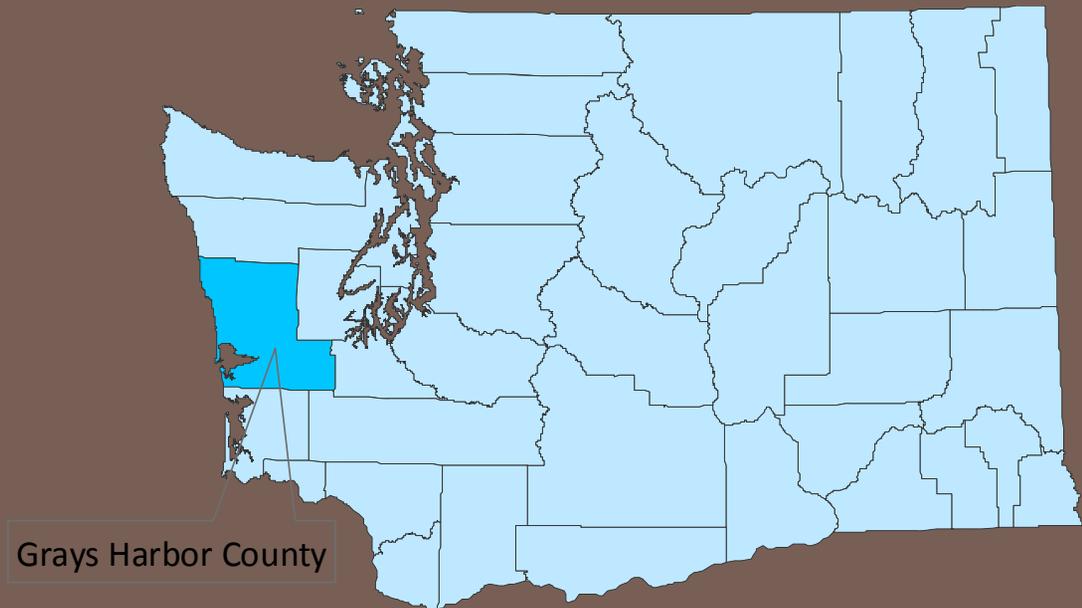
GRAYS HARBOR COUNTY

PUBLIC HEALTH AND SOCIAL SERVICES

1917 sq. miles

Population 71,200

35 residents/sq. mile



Grays Harbor County

Team Members



- Karen Arbogast, Immunization Coordinator
 - ▣ Provider outreach/education/liaison
- Kim Carson, Clinical Services Supervisor
 - ▣ Planning, systems coordination
- Karolyn Holden, Educ. & Evaluation Manager
 - ▣ Facilitator
- Brianne Probasco, Assessment Coordinator
 - ▣ Data collection and analysis
- Julie Zambas, MCH Nurse
 - ▣ Subject search and interview

Setting Up the QI Project

Understand the system and select the teams

- The opportunity: to collect and use valid county-level data on preschool immunization rates to improve local immunization practice.
 - ▣ 1998 baseline: – 76%
- Why: radical system changes are coming; system effectiveness will require increased monitoring so that ground will not be lost
- CQI tools: brainstorming, refinement of AIM statement, Gantt chart

AIM Statement



- Increase available data on current preschool vaccination coverage levels among local children in order to
 - ▣ Increase public health and provider understanding of how their practices contribute to overall county vaccination rates and how provider practice rates compare to the county average AND
 - ▣ Establish a baseline in the context of universal access to public vaccines against which to gauge future system performance following upcoming reduction in access to this resource
- We do this in order to preserve and improve childhood vaccination rates in Grays Harbor County

AIM Statement

Measures of Success

- **Long term:** By 12/31/12 increase coverage rates at the practice level and county level.
- **Mid term:** By 12/31/10 increase provider understanding of local practice and system performance

By 3/31/10 document the percent of study subjects who are completely immunized at 24 months and 35 months with:

- 4DT/DTaP; 3 polio, 1 MMR, 3 HiB, 3 HepB, 1 varicella, 3 PCV7 (4:3:1:3:3:1:3)
- Current ACIP recommendations (above plus HepA, rotavirus, influenza)
- **Short term:** By 12/31/09 complete data collection on a birth certificate follow back survey of local children and publish results in formats appropriate for public health colleagues, health care providers, and public/parents.

By 12/31/09 achieve at least an 80% response rate and provider verification of data for at least 90% of respondents.

AIM Statement

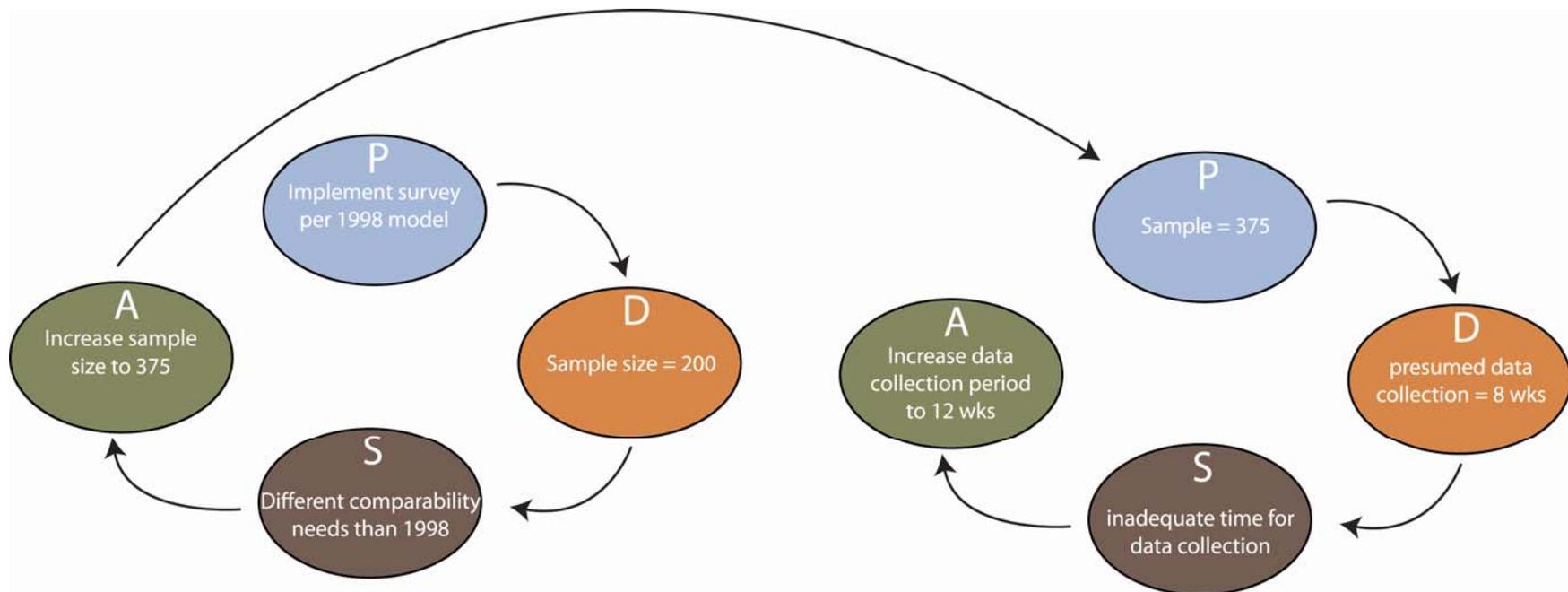
Analyze the causes

- Small population = lack of local data from state and national studies
- Increasing complexity of childhood immunization
- Decentralized delivery system
 - ▣ Provider attention/time
 - ▣ High turnover among office staff
- Changing availability of public vaccine
- Tools used: provider survey; NIS;

PDSA

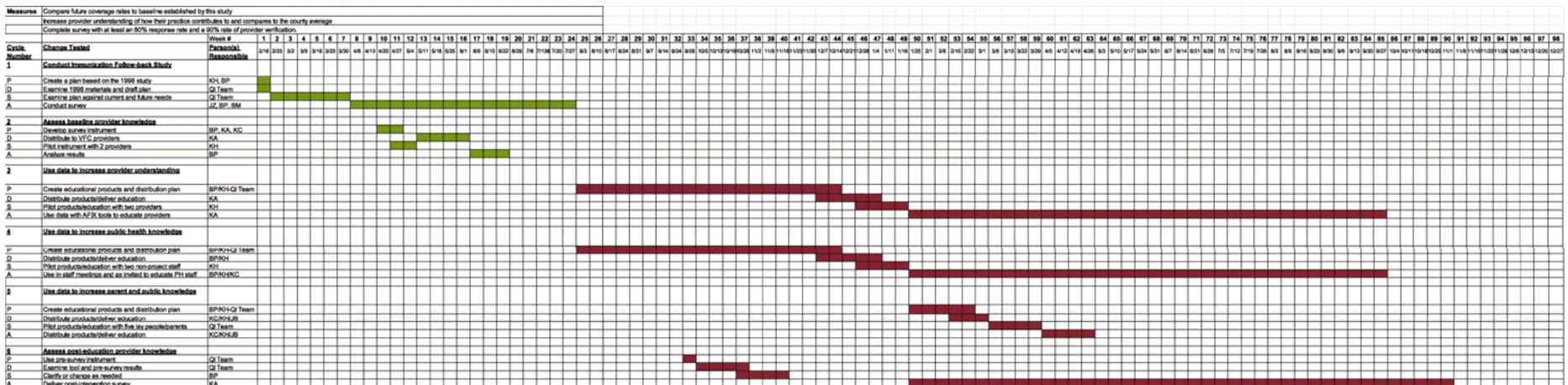
Select and develop a theory for improvement

- Regular team meetings
 - ▣ Flesh out AIM statement
 - ▣ Troubleshoot and brainstorm finding subjects
 - ▣ Revised process at every step



Gantt Chart

- ❑ Conduct immunization followback study
- ❑ Assess baseline provider knowledge
- ❑ Use data to increase provider understanding
- ❑ Use data to increase parent and public understanding
- ❑ Assess post-education provider knowledge



Results

So far...

- Data collection underway (as of 8/4/09)
 - Immunization survey (n=375)
 - 54% complete
 - 59% verified (consent + MD request + MD response)
 - 7% refused
 - 39% attempting to locate/contact
 - Provider
 - Pre-education survey completed with 66% providers (n=18)

Lessons Learned



□ Successes

- Having an experienced contact at DOH – Pat deHart
- Early identification of sample size issues
- Regular team meetings
- Intern to help with subject research

□ Challenges

- Cell phones vs. land lines – the times they are a changin’
- Caller ID
- Increased focus on personal privacy?
- Increased foresight in use of CHILDProfile

Next Steps



- Continue data collection until all potential leads are exhausted
- Analyze data and prepare reports
- Publish reports and use for provider and public education
- Evaluate provider knowledge after education