

Using Quality Improvement to Increase CCHD Screening Rates in Kansas

Newborn Screening and Genetic Testing
Symposium

St. Louis, MO

March 3, 2016



HISTORY

2011-CCHD added
to Core Panel

May 2013-KDHE
secretary
recommended
Quality Initiative

April 2013-KS NBS
advisory council
recommended
addition



Our Mission: To protect and improve the health and environment of all Kansans.



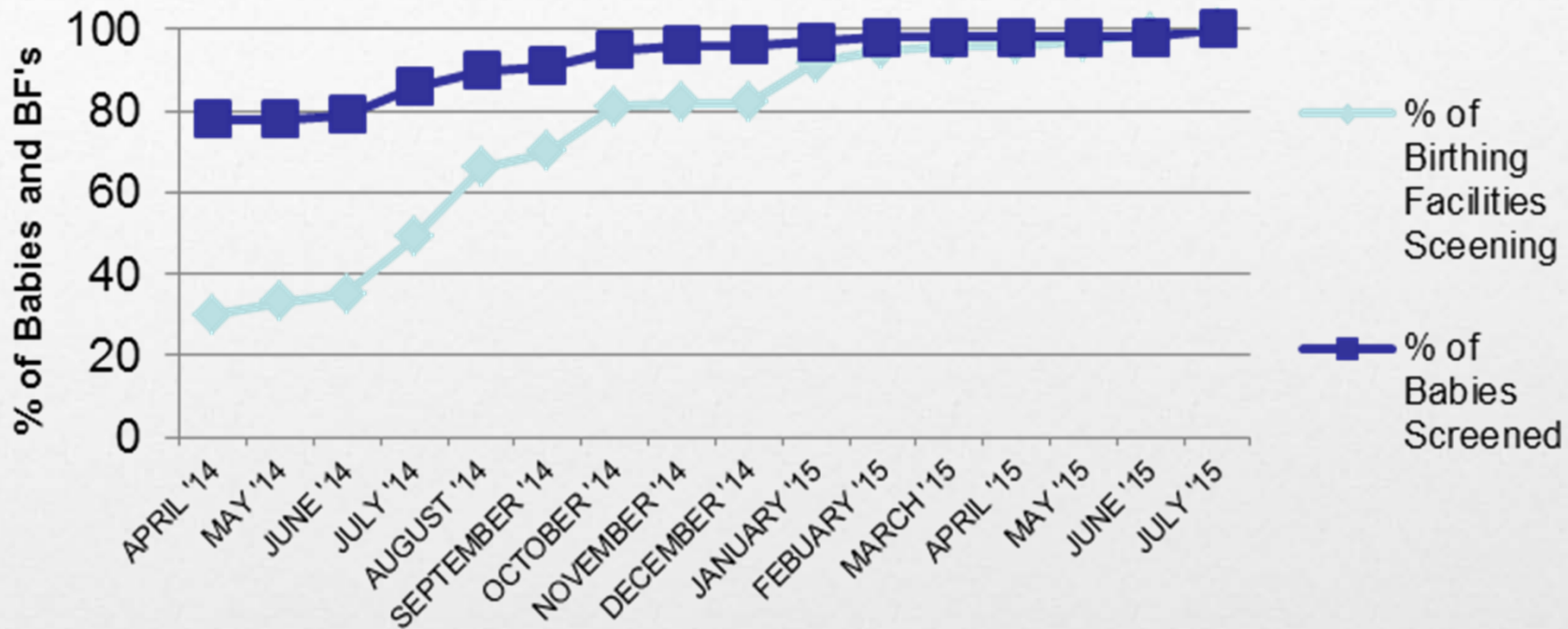
METHOD

- A dedicated staff was used to visit each birthing facility in Kansas:
 - Full training was performed if the facility was not screening
 - Facilities screening were visited to verify methods of screening.
- Tools were developed to assist in screening and draft protocols were shared from other facilities.
- Reporting methods were used to document screening and accuracy of screening.

RESULTS

- From May 2014 through July 2015, Kansas made significant progress in the implementation of CCHD screening:
 - The percentage of birthing facilities screening went from 30% to 100%.
 - The estimation of newborns screened annually increased from 78% to 100%.
 - An interim online reporting mechanism was utilized.

Percentage of Babies Screened and Birthing Facilities Screening in 2014-2015



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“At Children's Mercy Hospital over the last year, we have seen a dramatic decrease in the number of newborns presenting critically ill due to their Critical Congenital Heart Defect (CCHD). The impact of pulse oximetry on early diagnosis of CCHD is clearly saving lives.”

**Stephen Kaine, MD
Children's Mercy Hospitals**



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NEXT STEPS

Electronic Birth Certificate

Work with Facilities not reporting

NBS Data System links to Vital

QUESTIONS



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