Collaborating Across States to Improve NBS Timeliness: An Overview of the CoIIN for Timeliness

Yvonne Kellar-Guenther, PhD

Colorado School of Public Health

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NewSTEPS: APHL (#U22MC24078 - Ojodu)

NewSTEPs360: ColoradoSPH (#UC8MC28554 - Sontag)

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Thank you to our amazing CoIIN Teams!

Arizona

California

Colorado/Wyoming

Iowa

New Hampshire

Tennessee

Texas

What is CoIIN?

- 15 month Continuous Quality Improvement (CQI) Projects
- Learning collaborative
  - Applied to take part
  - Focused on Quality Improvement
  - Sharing lessons learned, ideas, and resources
  - Use of technology to enable collaboration
- States met monthly and also with own state teams
  - Teams were interdisciplinary often including lab, follow-up, and hospital representative

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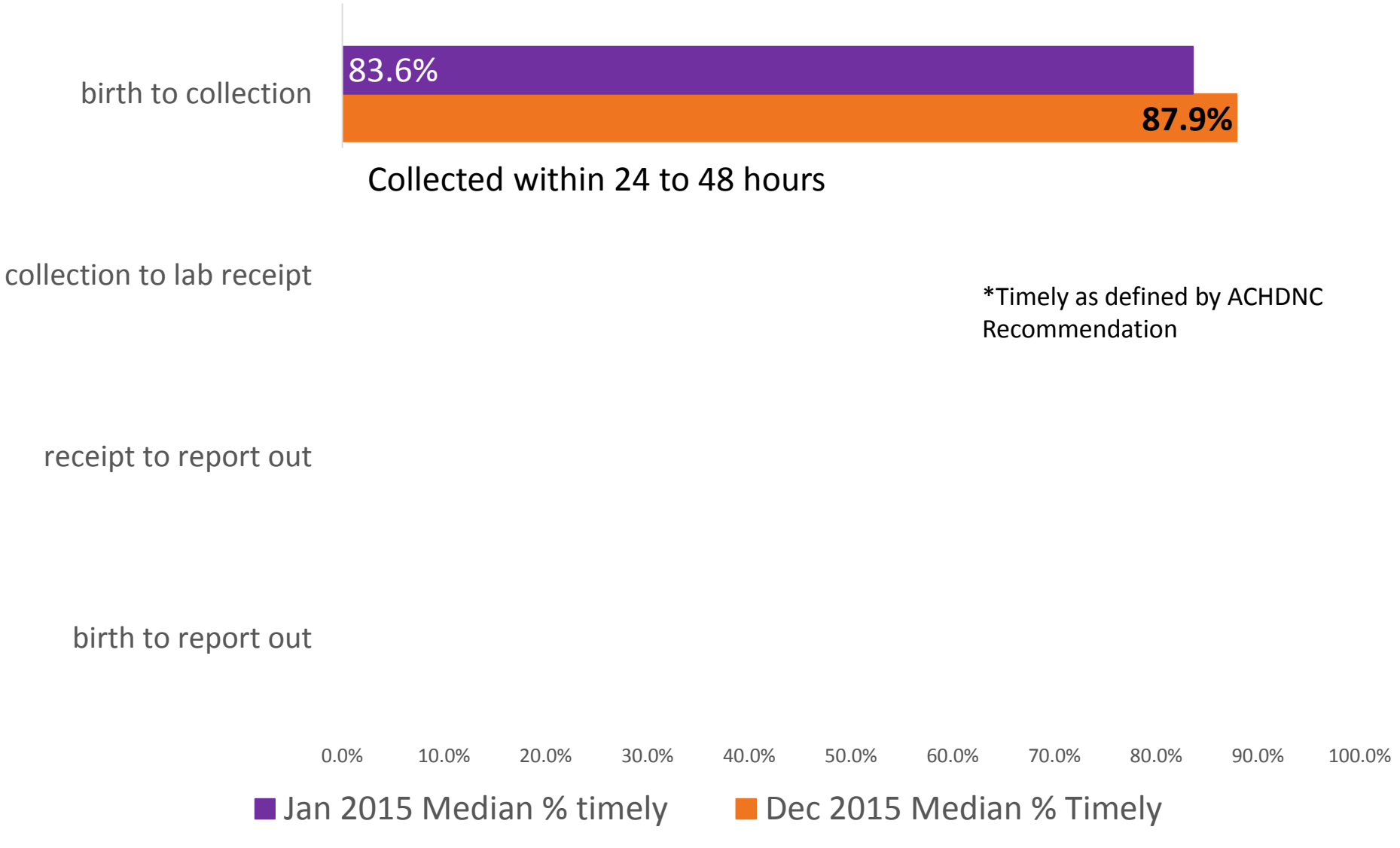
Our Goal

Improve timeliness from time of birth to report out of newborn screening findings

Changes in Median Percent January to December 2015



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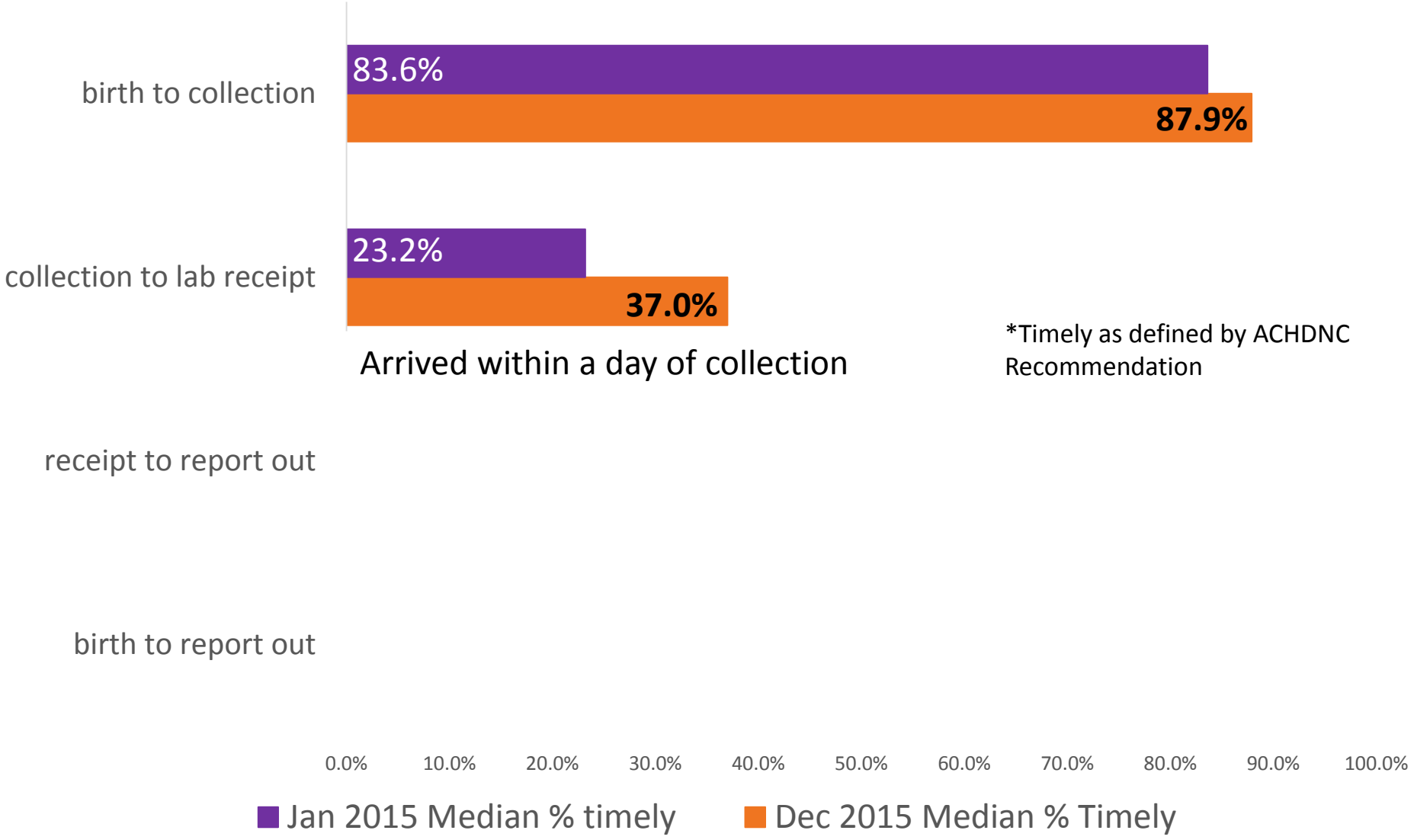

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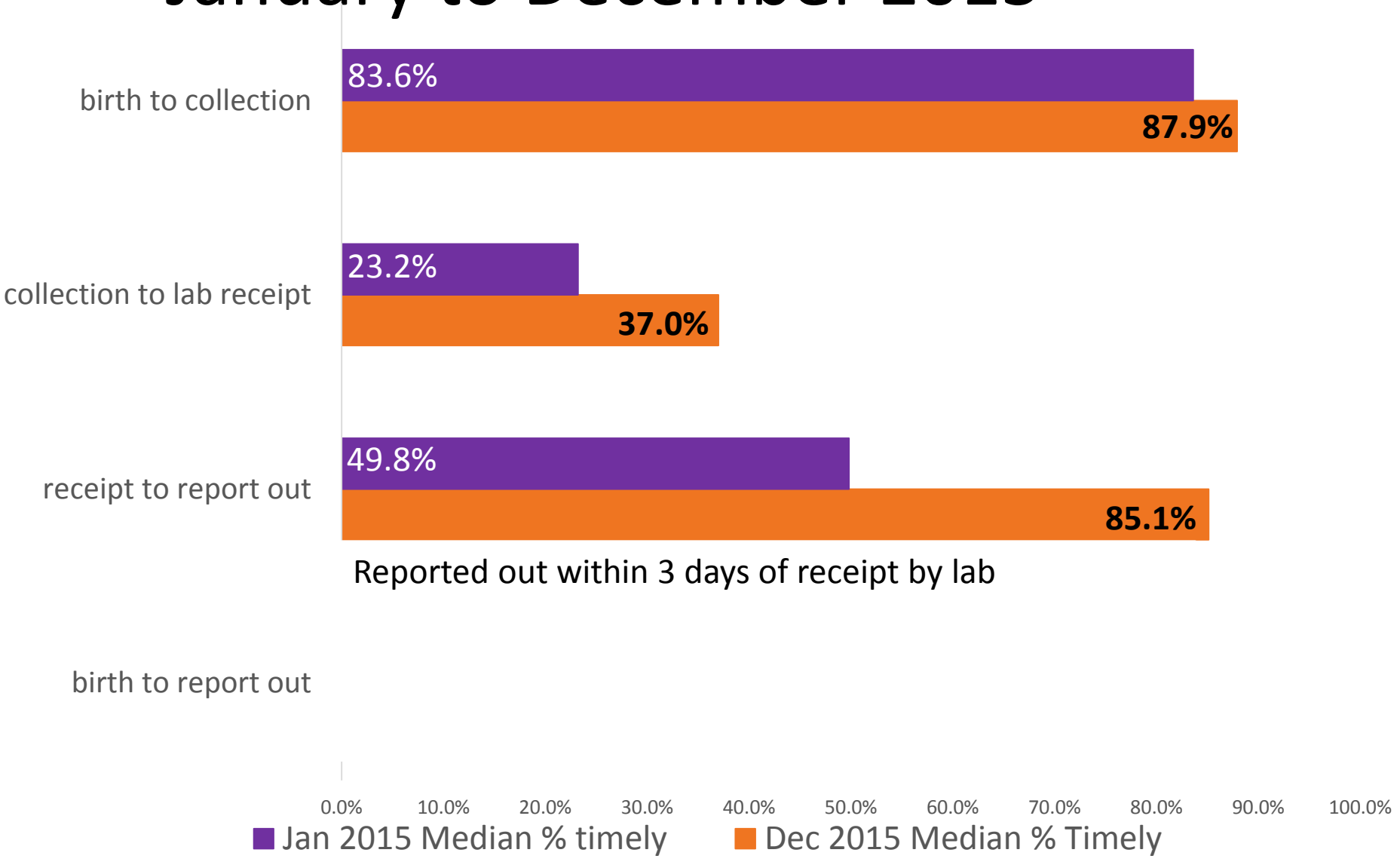

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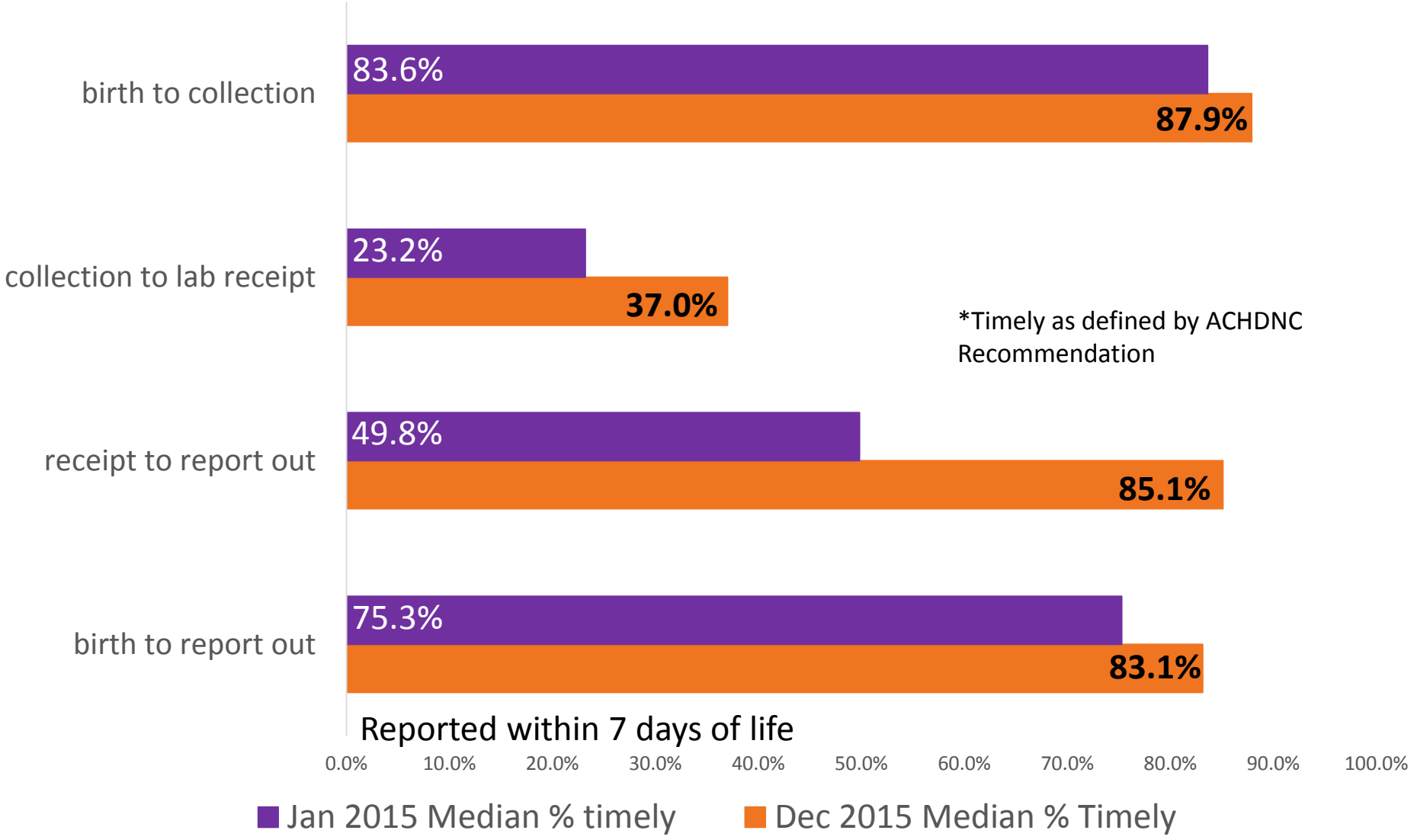

State Activities that Improved Timeliness

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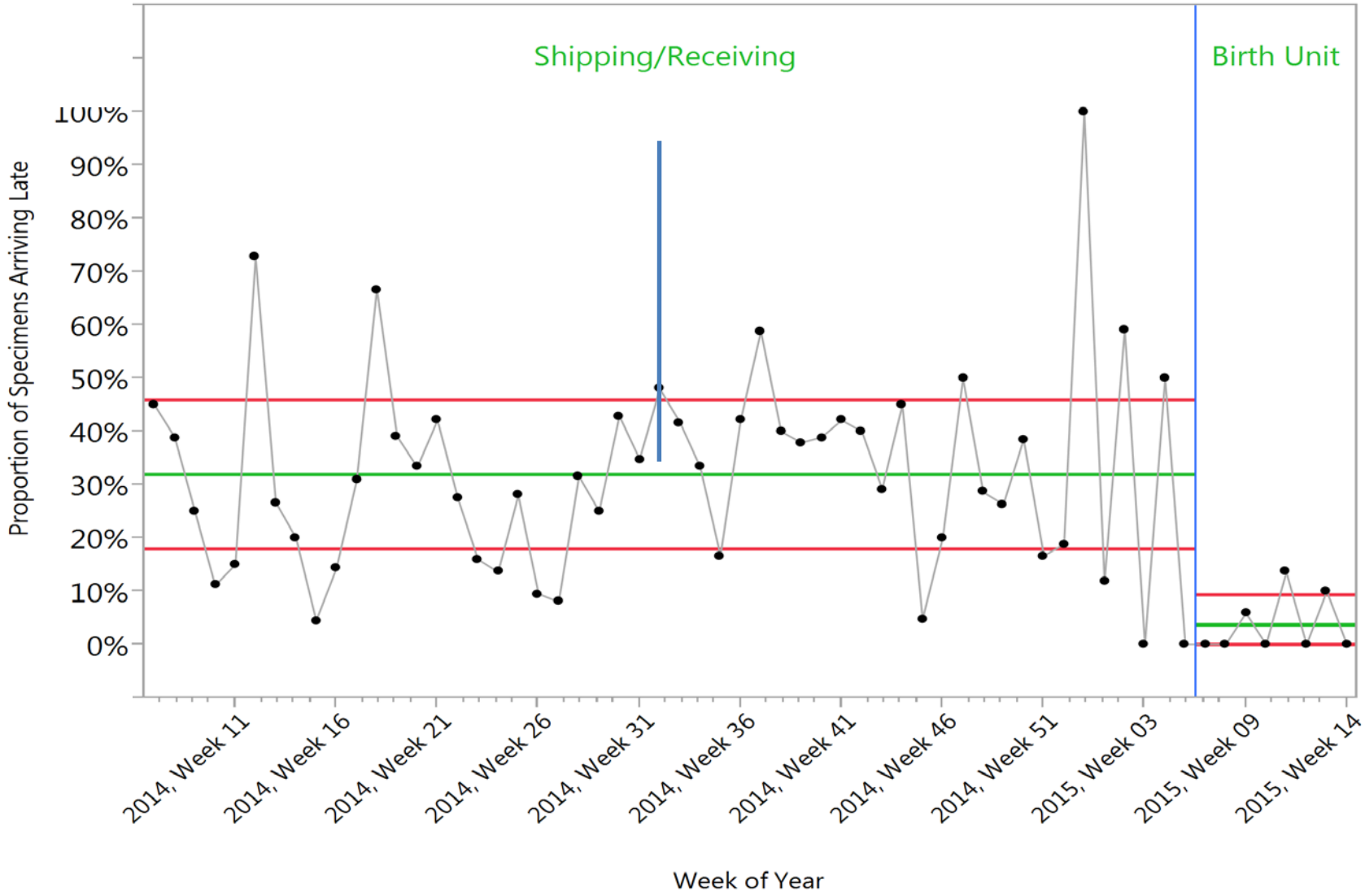
ColIN State Activities Included:

- Working with hospitals on ideal pick up location
  - The mean proportion of specimens arriving late changed from 31.9% to 3.7%.

New Hampshire – Changed Pick Up Location at Hospital



ColIN State Activities Included:

- Creating reports for hospitals to track progress
  - Some states choose transparent reporting
- Educating hospital staff
  - Timeliness recommendations
  - Why timing is important

Iowa - Hospital Education

Timeliness in Newborn Screening Report

2015-02-01 to 2015-02-28 Count: 31

A project of the Iowa Collaborative Improvement & Innovation Network (CoIIN) to improve timeliness in newborn screening

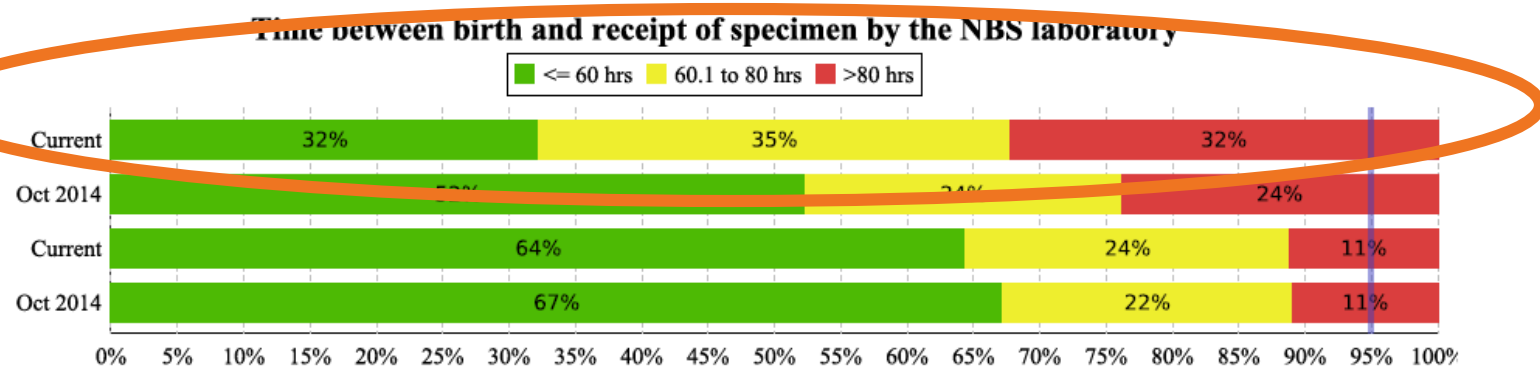
Hospital: [redacted]

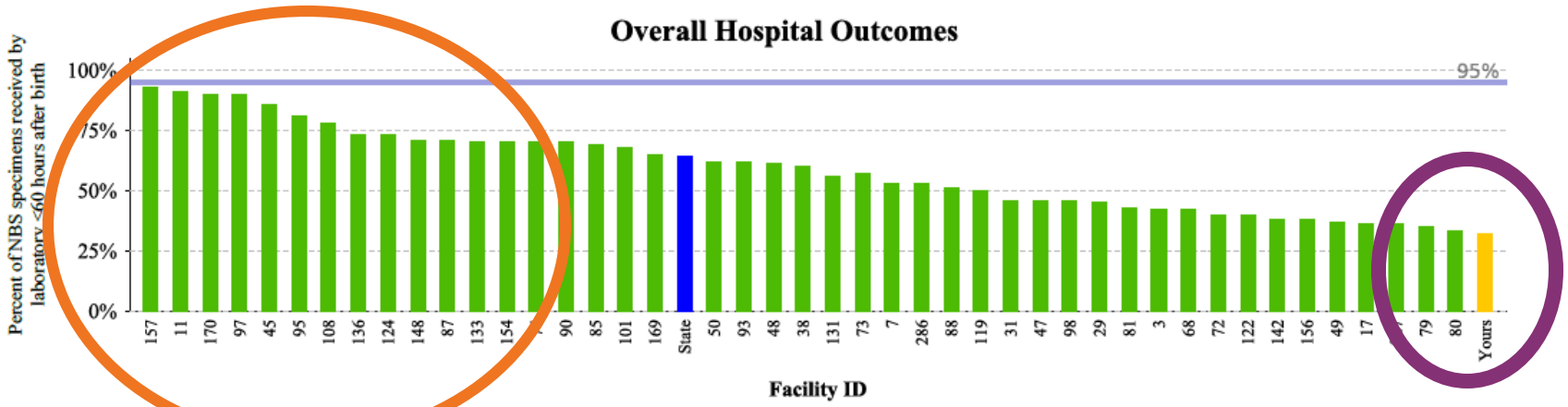
Facility ID: 99

GOAL: By March 2016, 95 percent of specimens will be received by SHL within 60 hours of birth.

Hospital

State

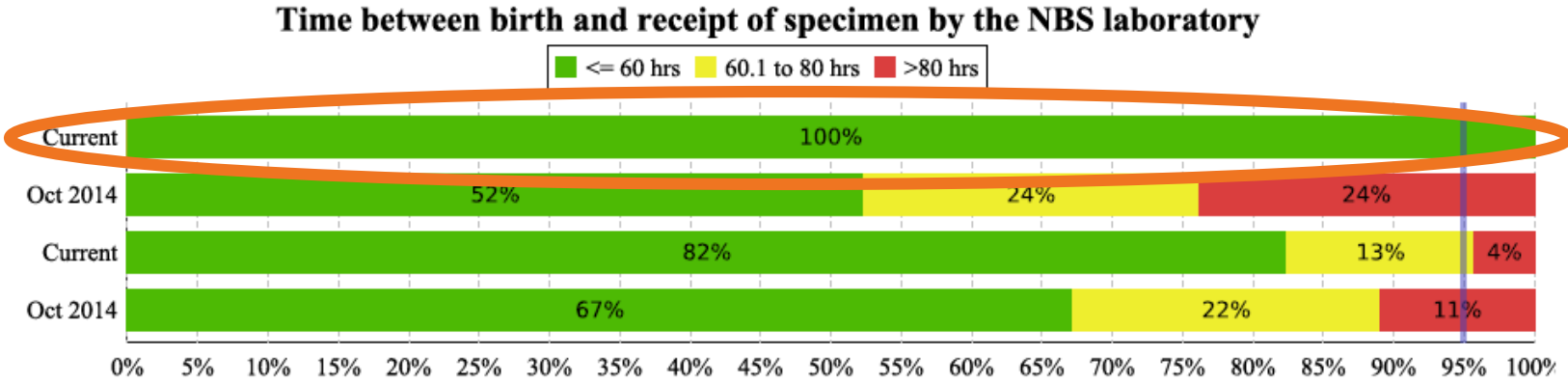


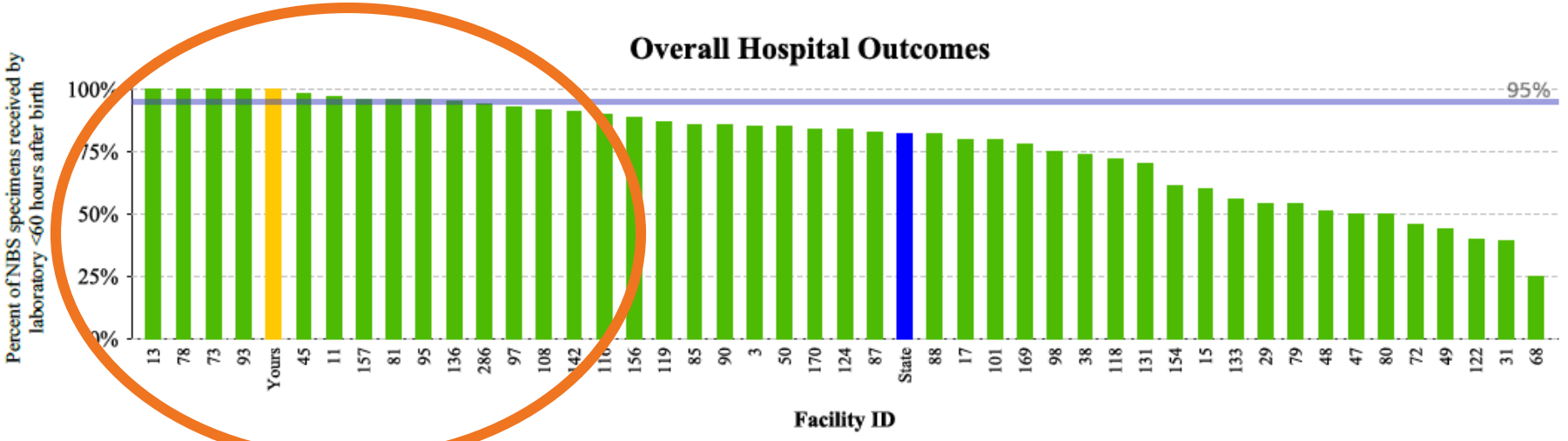


Iowa –Same Report 1 year later

Hospital

State





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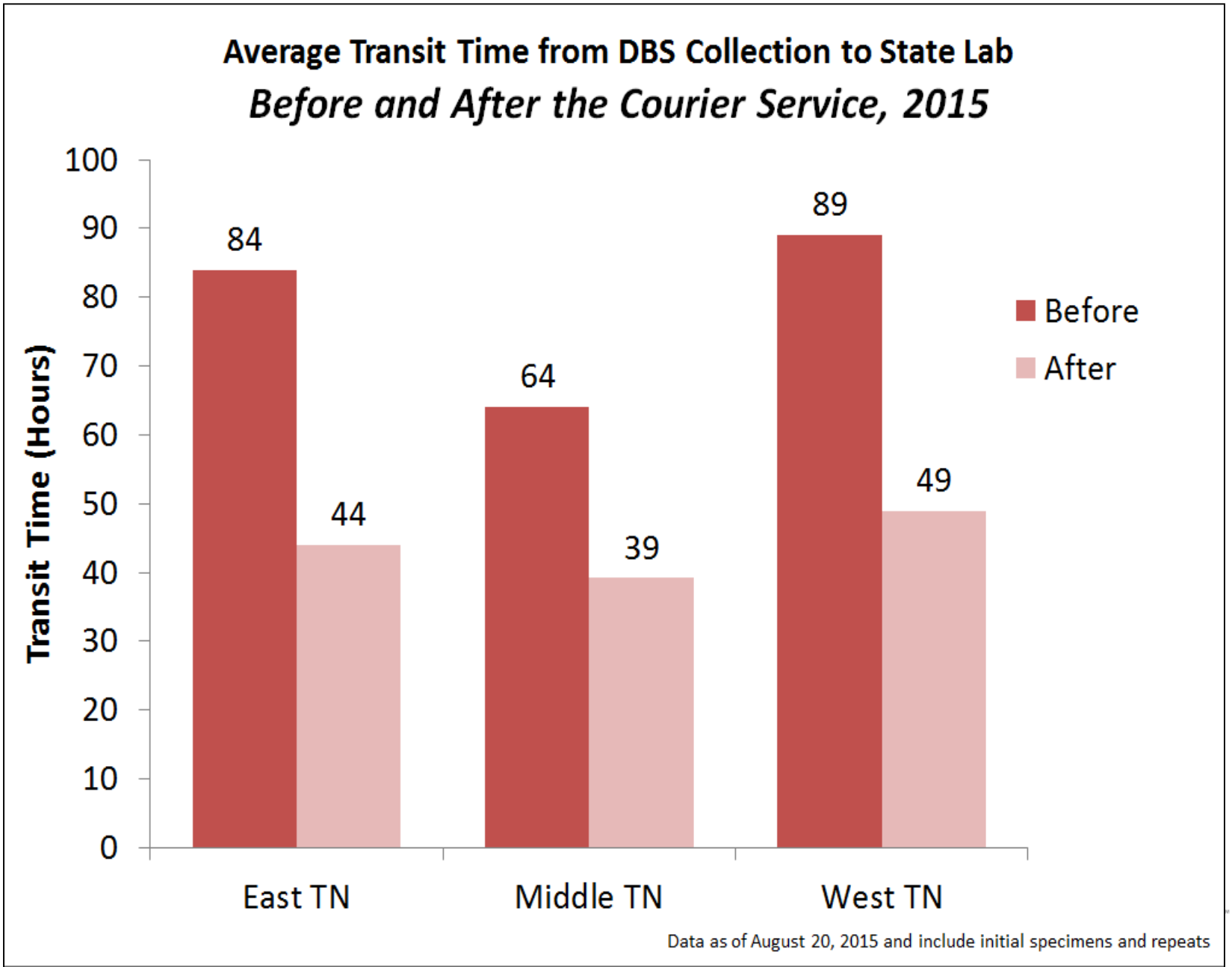
ColIN State Activities Included:

- Implementing or expanding courier service

Tennessee Rolled Out Courier Service



CoIIN State Activities Included:

- Changing laboratory operating hours
  - receive specimens and/or test samples on weekends

Top 10 Lessons Learned

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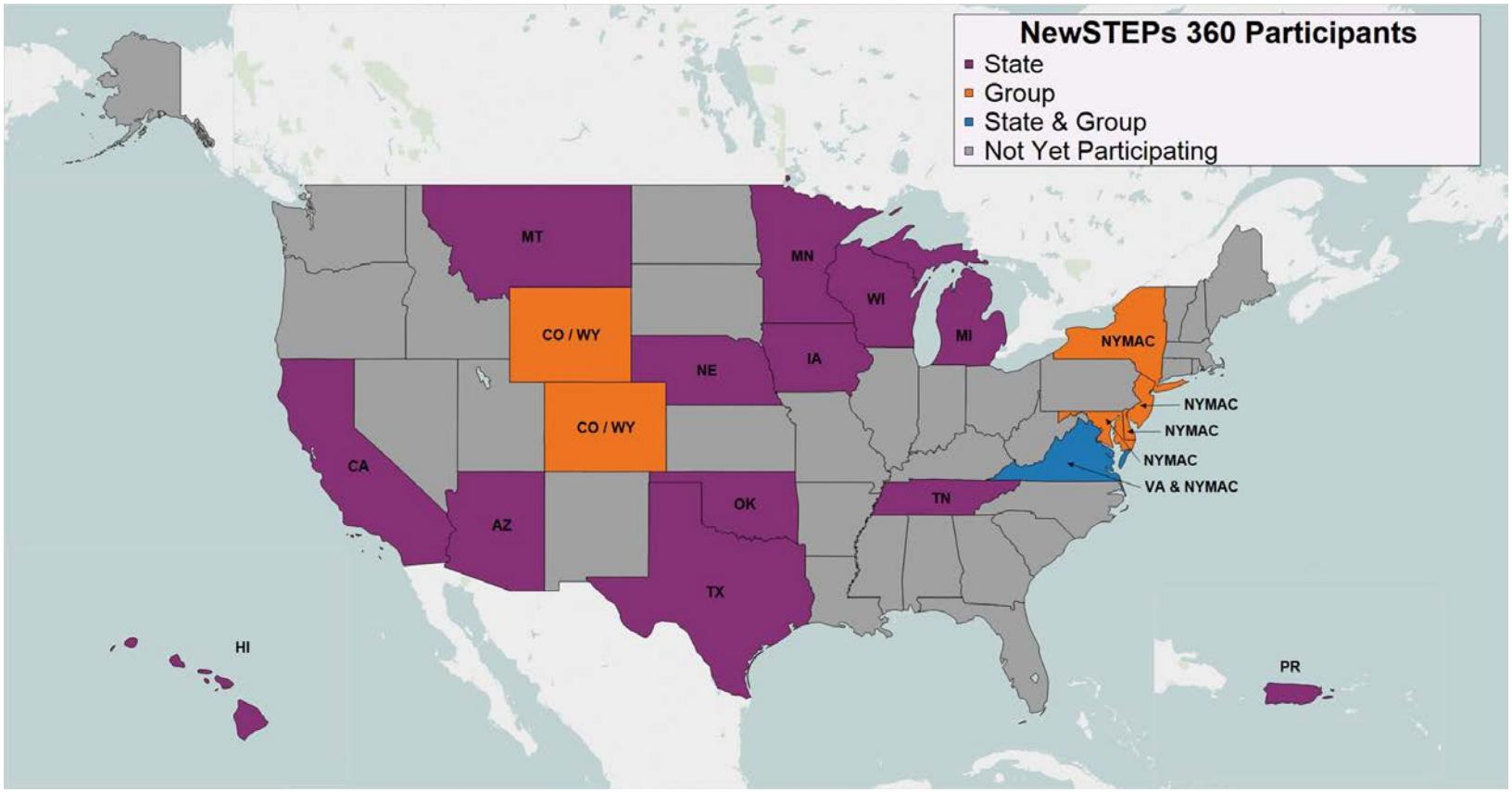
Where Do We Go From Here?

Goal: To achieve timely reporting of results in 95% of newborns who receive dried-blood spot (DBS) newborn screening within each state participating in NewSTEPs 360 by August 30, 2018.

NewSTEPs 360 Overview



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NewSTEPs 360 Overview

- Many projects are focused on:
  - Creating HIT Solutions: Order entry or results reported
  - Improving education to many different groups
- States receive
  - Financial Assistance
  - Training on Continuous Quality Improvements (CQI)
  - CQI Coaching
  - Sharing resources
  - Monthly calls
  - Analysis of real time data
- For more details https://www.newsteps.org/newsteps-360

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NewSTEPs 360 Overview

- Newborn Screening Community will get:
  - Sharing of best practices and developed resources
  - Identification of promoters of timeliness
  - Identification of barriers of timeliness
  - Building and strengthening relationships

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So Stay Tuned. . . . .

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NewSTEPs and NewSTEPs 360 Team

Marci Sontag
Yvonne Kellar-Guenther
Joshua Miller
Sarah McKasson
Ruthanne Salsbury
Laura Russell

Jelili Ojodu
Sikha Singh
Thalia Wood
Careema Yusuf
Guisou Zarbalian
Funke Akinsola

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