

# MEET YOUR MATCH

The Importance of Vital Record Matching in the  
Realm of Timely Newborn Screening

Minnesota Newborn Screening Program

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# Why Match?

- Provides reasonable denominator
- Allows for follow-up of missing specimens or refusal paperwork
- Updates critical information for more efficient follow-up



# Matching is most effective when...

- ... it is timely!
- However...
- We must work within statutory confines on birth registration timelines



# Vital Record Statutes

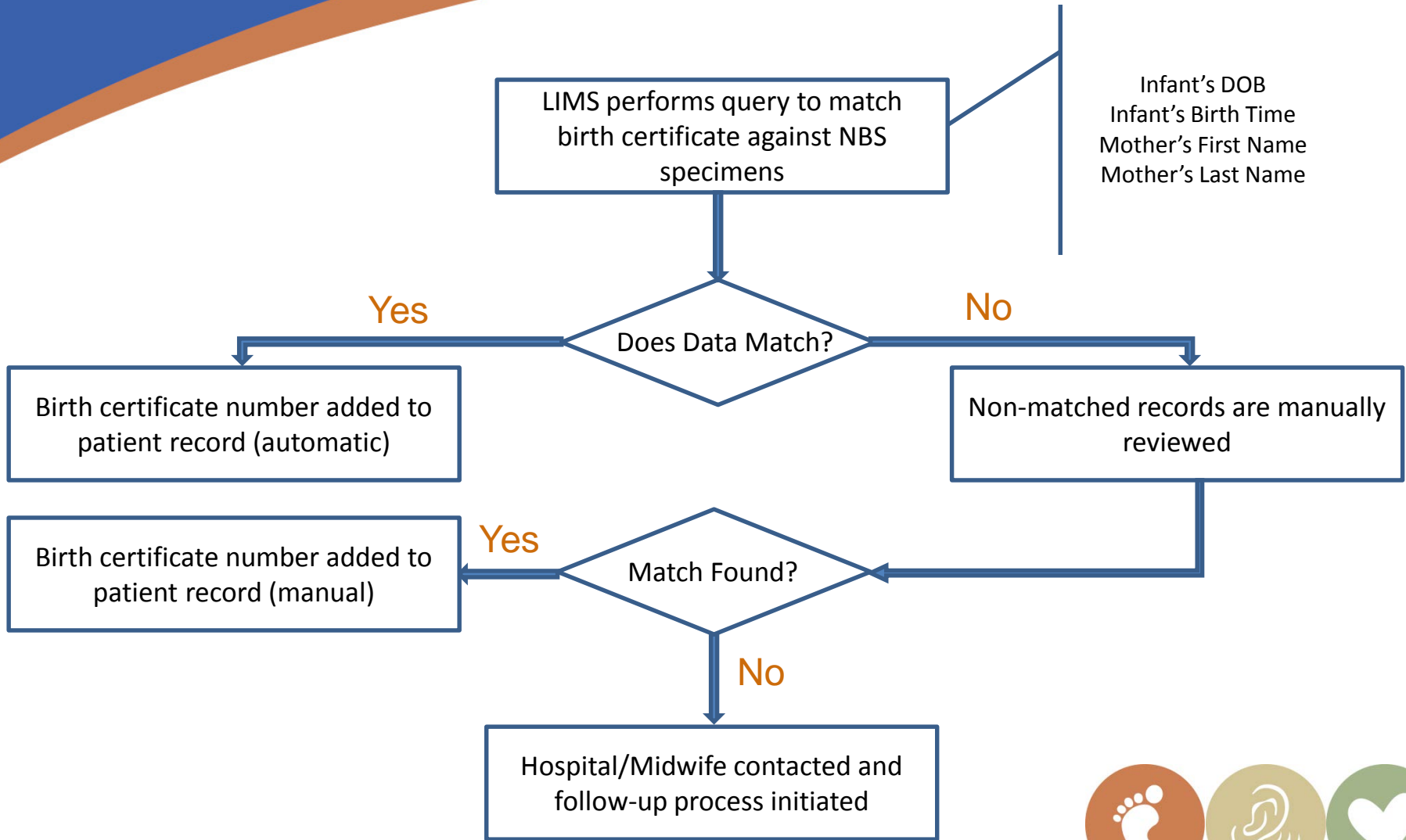
- MN statute requires birth record to be filed with the state registrar for each live birth within 5 days (*for births occurring in or en route to a facility*)
- Births outside a facility have ~1 year
- Registration system (*MRC*) is via a secure web-based application

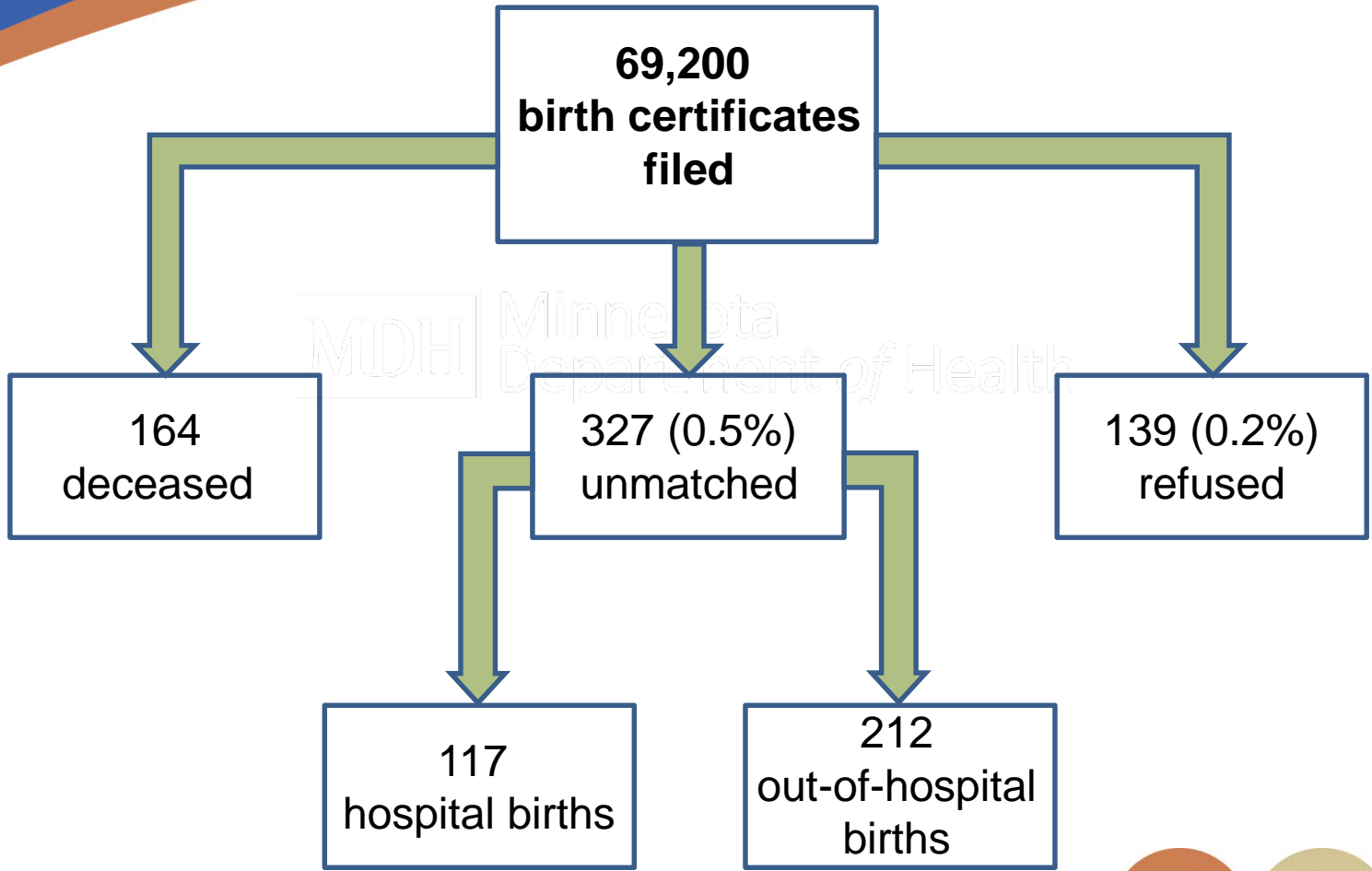


# Matching in Minnesota

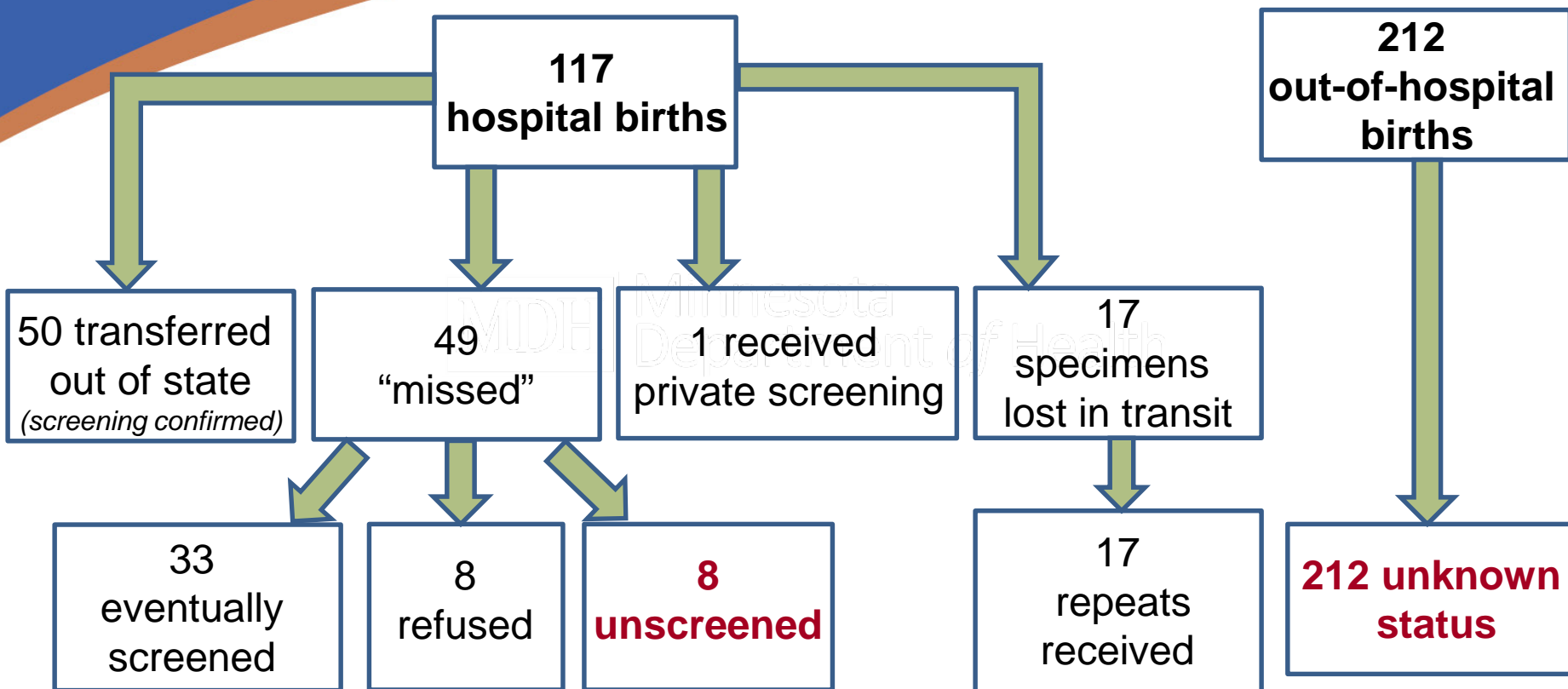
- **Current**
  - “View” into Vital Record Database
  - Real-time availability as certificates are registered
- **New**
  - Utilize PHIN MS for real-time data transfer into LIMS







2014



- Notification of potential miss: Median = 13 days past DOB
- Specimen received: Median = 17 days past DOB
- 99.7% of infants with known screening/refusal status

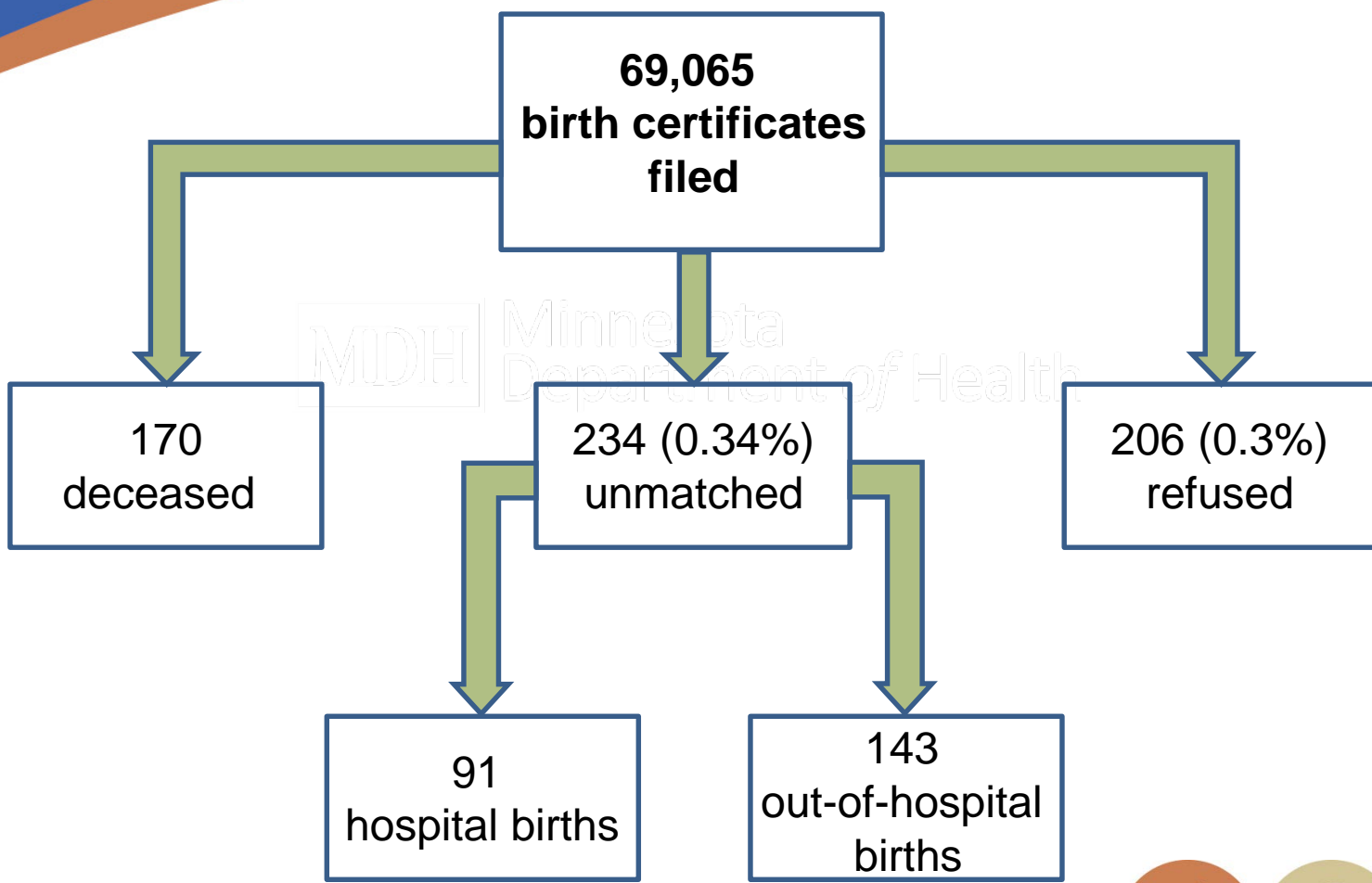




## June-Dec 2015 Initiatives

- Increased follow-up for refusal paperwork
  - Calls to Submitter and Notices to Primary Care
  - Increased notifications to Submitters
- Active engagement of midwifery groups
  - Specific communication to group on options and availability of fee-waived screening
- Altered protocol to reduce time to notification of potentially missed infants

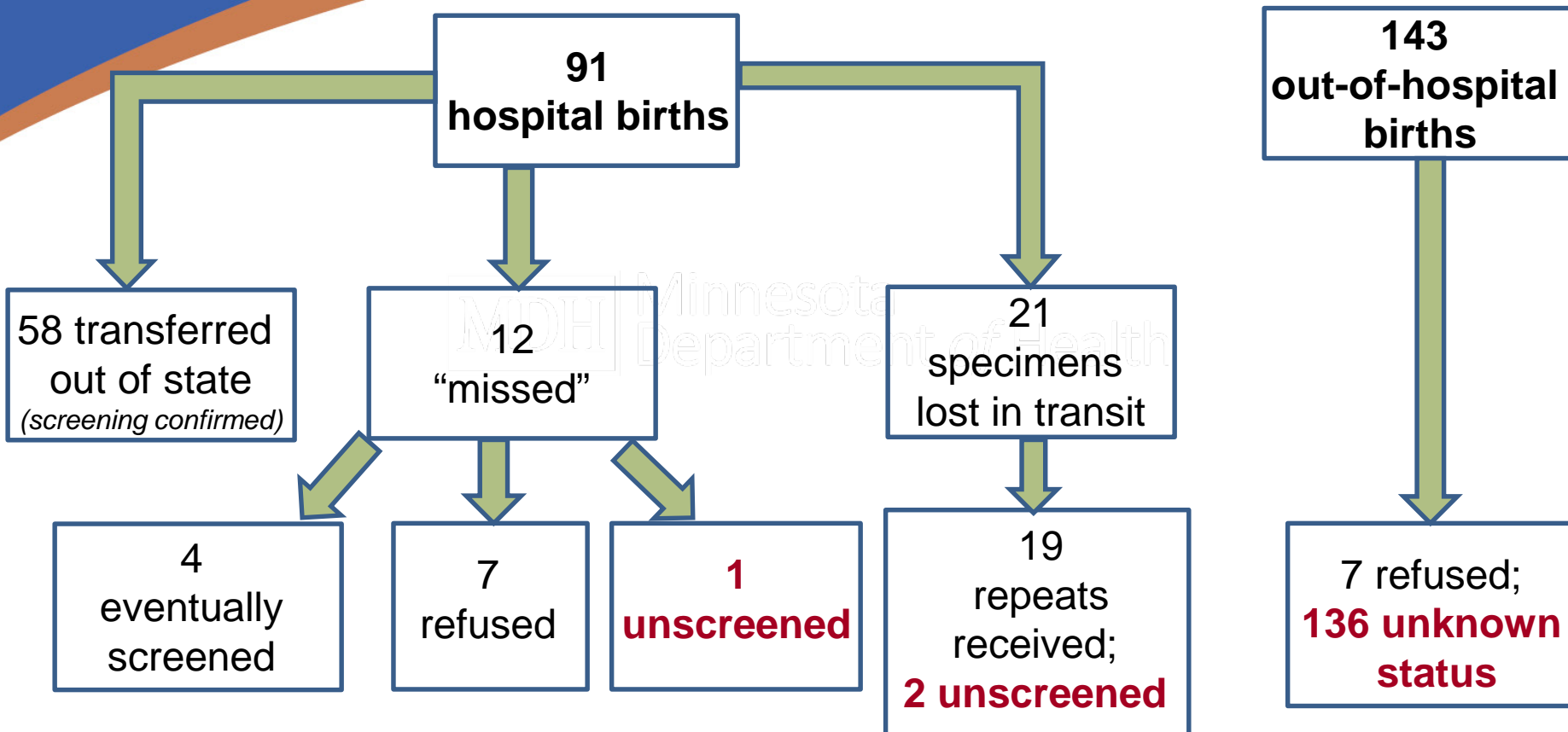




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2015



- Notification of potential miss: Median = 8 days past DOB
- Specimen received: Median = 16 days past DOB
- 99.8% of infants with known screening/refusal status



## Next Steps

- Continue work with remaining midwifery practices
  - 57% decrease in 2<sup>nd</sup> half of 2015 in missing specimens
  - Parental options appealing to this population
- Continue reduction in time of notification to hospitals with increased notifications
- Electronic demographics/lab orders may help improve timely matching/follow-up



# Thank You!



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