EXPANDED NEWBORN SCREENING :

The Mississippi State Department of Health Experience

(MSDH)

Early 1980

SPRANS Grants for statewide Newborn Screening of Phenylketonuria & Hypothyroidism

Law mandating statewide Newborn Screening of PKU & Hypothyroidism

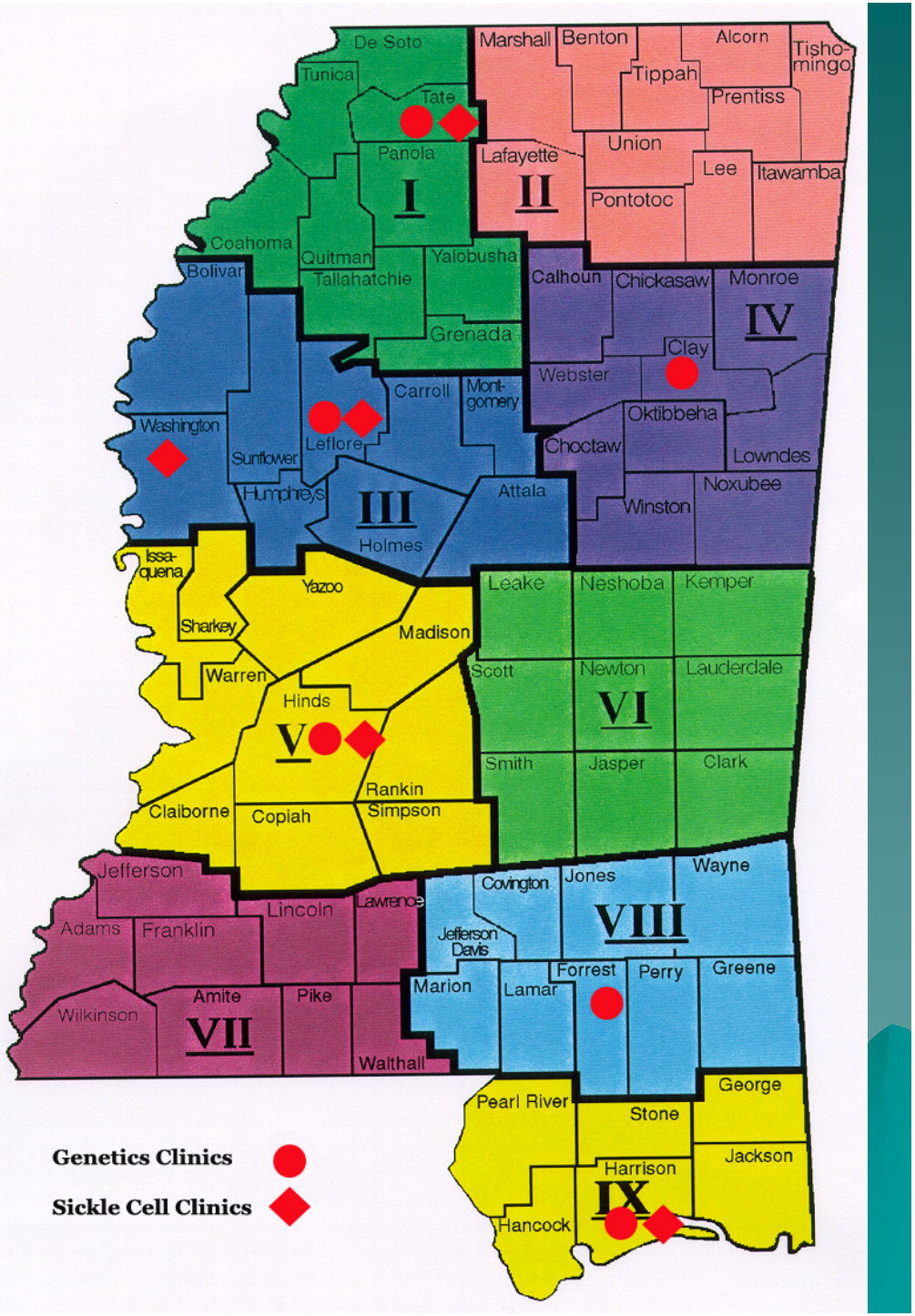
Newborn Screening Fee charged to each hospital for each newborn ($2.50)

Newborn Screening Fee

(One of the first states to charge a fee for newborn screening)

- Lab test costs
- $$$$$$$$$$$$
- Follow-up costs
- $$$$$$$$$$$$$$

Mississippi State Map



Late 1980's and 1990's

- Newborn Screening Education for each delivering hospital and Health Department was started.
- Hemoglobinopathies, Galactosemia, & Homocystinuria were added to the law mandating newborn screening.

Mississippi's Newborn Screening Program in the year 2000

In the year 2000, a two and a half year old male child died of Medium-Chain Acyl-CoA Dehydrogenase Deficiency (MCAD) in a small, north Mississippi town. His name was Ben Haygood.

Mississippi's Law in the year 2001

The bill that was passed by the legislature and signed into law by the governor required:

Development of a pamphlet by MSDH Advisory Committee about supplemental newborn screening tests;

Information to be given to expectant mothers before and after birth by their physician.

2002 Expanded Newborn Screening Law

The law as it stands today is know as the "Ben Haygood Comprehensive Newborn Screening Act."

The MSDH shall establish, maintain and carry out a comprehensive newborn screening tests to be specified by the Mississippi State Board of Health upon the advice and recommendations of the MSDH Genetic Advisory committee.....

The 2002 Law Resulted in the Following:

- A total of 40 newborn disorders/ conditions to be screened
- A total charge of $ 70.00 per newborn screened ($ 1.75 per test)
- A three member child health team in each of the nine districts of the state (a nurse, a social worker and a clerk) to case manage children with abnormal newborn screening results.

1st Year of Mandated Expanded Newborn Screening In Mississippi Approximately 42,201 June 1, 2003 – May 31, 2004

Cystic Fibrosis	7
Biotinidase Deficiency	4
MCADs	3
Tyrosinemia	1
Sickle Cell Disease	70
Congenital Hypothyroidism	21
Galactosemia	9
PKU	1