

# Current state of neonatal screening around the world

Screening panels (disorders) and coverage

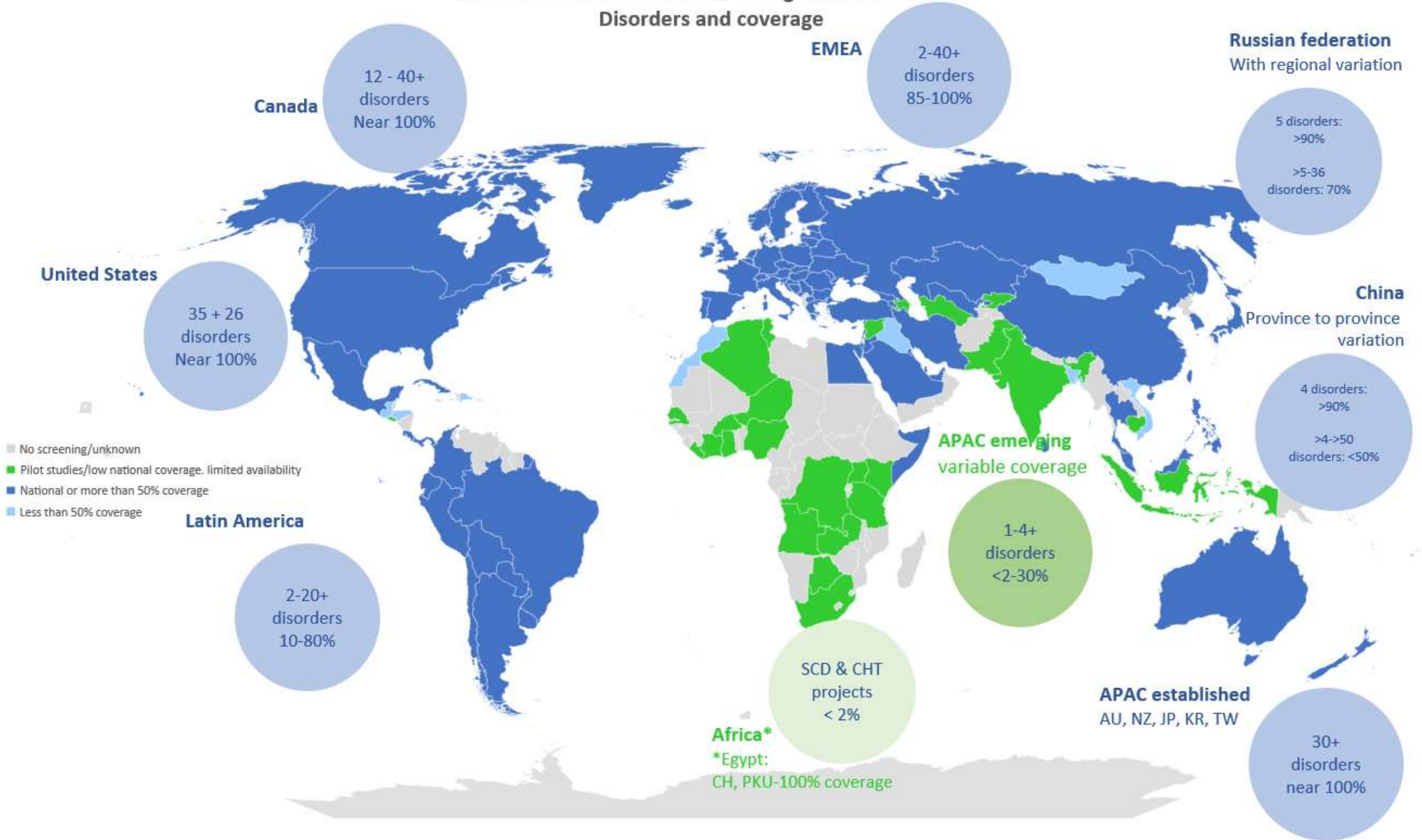


ISNS

International Society for Neonatal Screening


This dataset is established using publicly available data, data provided by colleagues around the world and the generous support of manufacturers of screening supplies  
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## In a little more detail

- In Europe all of the 4.2 m babies born each year receive some form of screening, although there are marked differences between member states: 2 – 48 conditions are included and aspects of screening practice varies
- In the US there are 3.7 m babies pa. Screening policy is more homogenous with a RUSP consisting of 35 core conditions and 26 secondary conditions. There is still some state to state variability.
- In China there were an estimated 12m births in 2020. There are 200 screening centres and coverage is > 90%. There is a minimum national panel and regions can add to this with many now using an expanded panel
- In Latin America, comprising 20 countries there are 11m births pa, 15 countries have newborn screening programmes and around 50% of all babies are offered some form of newborn screening. The disorders offered varies.
- In Asia Pacific including India around 5m babies are offered screening each year.
- In the Middle East approximately 7m babies are offered screening each year, almost 3m of these in Egypt.
- In Russia an estimated 1.5m babies are offered screening for 5 disorders >90% up to 36 conditions, coverage >70% (by end of 2023) with regional variation.
- In Africa around 30m babies are born each year but newborn screening is very limited, <1m each year.
- **This is a total of approximately 39m babies pa from an estimated 140m born each year (UN estimate) – around 28%. There is still much to achieve!**



Sickle cell disease is a global public health issue. More than **300,000 babies** are born with sickle cell disease every year in Sub-Saharan Africa and between **50-90 percent** die by their 5th birthday.

