Québec CH Screening Algorithm

Blood collected by heel prick on
filter paper on 2nd or 3rd day of life
(earlier if: blood transfusion, death or transfer)

Samples sent to screening lab every weekday

Single measurement of TSH
(results in mU/L of whole blood)

TSH < 11: N

TSH ≥ 11: repeat in
duplicate on initial blood spot

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TSH ≥ 11: repeat in duplicate on initial blood spot

11 < TSH < 15
T_4 > 150 nmol/L:
Normal

15 ≤ TSH < 30
T_4 < 120

TSH ≥ 30

11 < TSH < 15 & T_4 ≤ 150
15 ≤ TSH < 30 & T_4 ≥ 120

Call parents:
Immediate
referral

Request 2nd filter paper and refer if:
- TSH ≥ 15 (1990-2000)
- TSH ≥ 5 (2001-2009)