

Rheumatic Heart

Disease screeninga population health
perspective

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Orientation- RHD screening

- Screening for previously unidentified RHD heart disease in children/young people
- Involves using portable ECHO to identify children/young people with cardiac changes that may be consistent with RHD
- Individuals are then referred to tertiary health services for fuller assessment, diagnosis and appropriate treatment.
- Population screening is not just about case detection, changing the health outcomes of people with RHD
 - Reduce disease progression through preventing recurrences of ARF
 - Reducing premature cardiac deaths

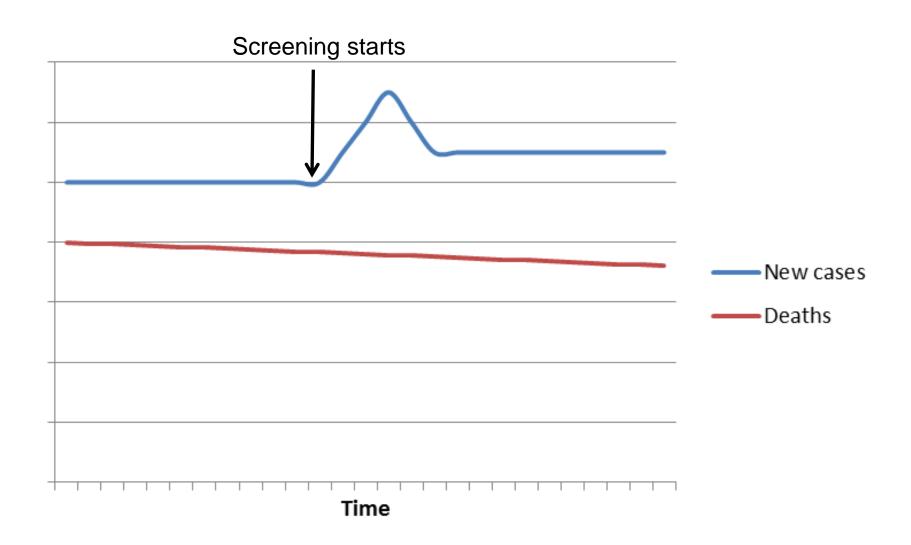




Image source: Te Papa

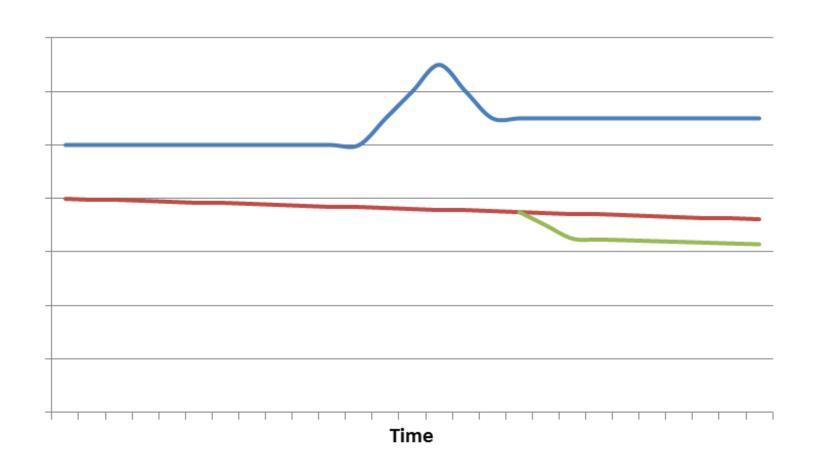


Neuroblastoma screening





Neuroblastoma screening





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Through their parents, we offered screening for neuroblastoma at

three weeks and six months of age to all 476,654 children born in the

province of Quebec, Canada, during a five-year period (May 1, 1989, through April 30, 1994). The participation rate was 92 percent. The

rate of death due to neuroblastoma was determined and compared with the rates in several unscreened control populations born during

Among children younger than eight years of age in the Quebec

children over a period of nine years. The standardized incidence

cohort, there were 22 deaths due to neuroblastoma; the cumulative

(±SE) mortality rate due to neuroblastoma was 4.78±1.14 per 100,000

the same period.

RESULTS

Full Text of Methods.

The NEW ENGLAND



TABLE 1

Characteristics of

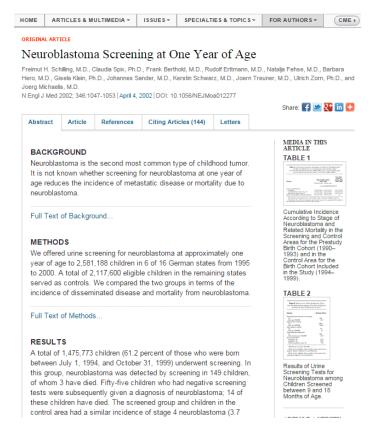
Neuroblastoma in the 22 Children Who Died of the Disease in the Quebec Cohort.

ARTICLE ACTIVITY

122 articles have cited

this article >







- The condition is a suitable candidate for screening
- There is a suitable test
- There is effective and accessible treatment
- There is high quality evidence (ideally RCTs) that a screening programme is effective in reducing mortality or morbidity
- The potential benefit outweighs the potential harms
- The health care system is capable of supporting the necessary elements of the screening pathway
- There is consideration of social and ethical issues
- There is consideration of cost benefit issues











Should we screen in the absence of evidence of effectiveness?



- Cost-effectiveness and benefits/ harms
- Opportunity cost
- Beyond reasonable doubt
- Impact of decreasing RF incidence
- Underlying assumptions



Shameless plug

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What conditions do we screen for in New Zealand? What should we screen for? How do we decide? Is screening even ethical? How do we implement, monitor and evaluate screening programmes? What is new on the screening horizon?

Register now for this 2-day interactive workshop to explore these critical questions, hear new ideas and broaden your understanding of screening across all disciplines.

SPEAKERS INCLUDE:

This course will be led by Dr Caroline Shaw and Professor Diana Sarfati, Public Health Physicians and epidemiologists at the University of Otago, Wellington. This course is run biennially and is rated extremely highly among the many who attend.

Thursday 18 - Friday 19 February 2016 University of Otago, Wellington | Mein St | Newtown | Wellington

Early bird registration closes 18 December 2015

For more information contact: caroline.shaw@otago.ac.nz or visit otago.ac.nz/uowsummerschool



