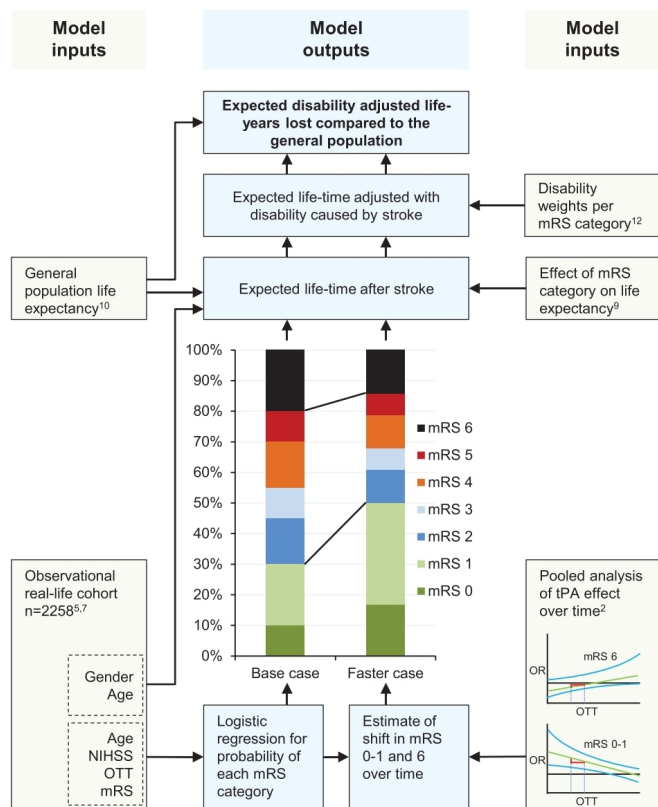


# Stroke Thrombolysis

- Save a minute, save a day

目的: to estimate the effect of speed in stroke thrombolysis over a patient's lifetime (+tPA treatment)

## <methods>

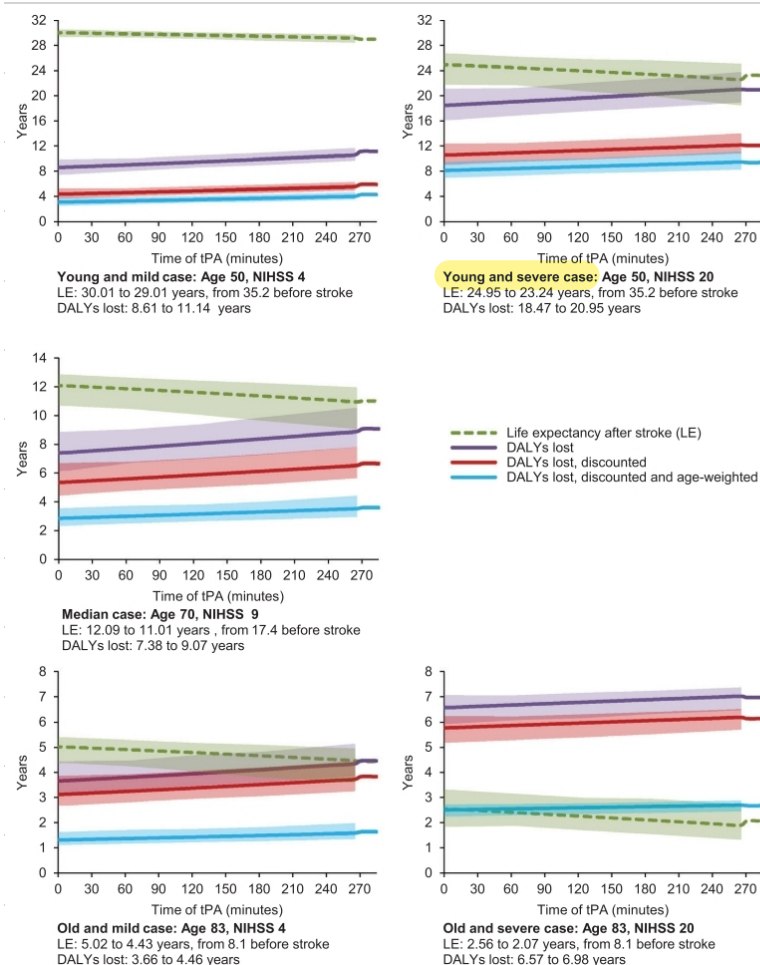


Helsinki 1727 + Australia database 531

= 2258

observational cohort

## <results>

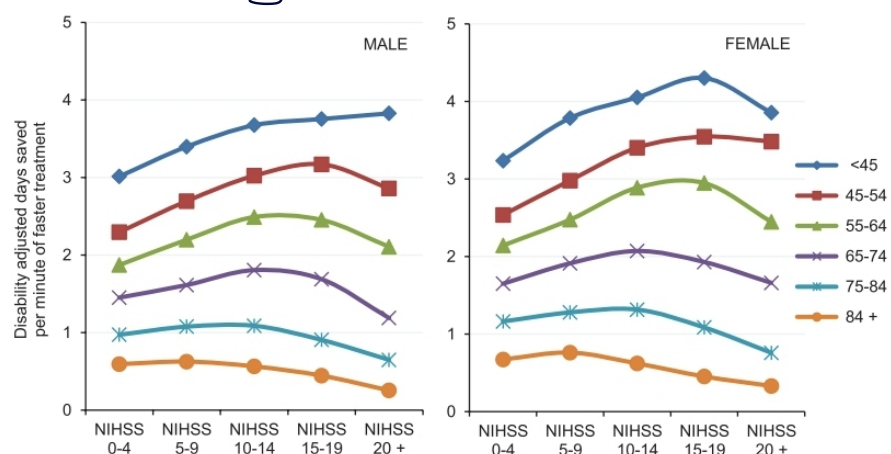


**Figure 2.** Effect of treatment delay with 95% prediction interval on life expectancy (LE) and disability-adjusted life-years (DALYs) in 5 individual female cases with median, top, and bottom decile age/National Institutes of Health Stroke Scale (NIHSS). No thrombolysis assumed after 270 min from onset. tPA indicates tissue-type plasminogen activator.

\*each minute saved on average  
 ( 0.6 day in old & severe  
 0.9 day in old & mild  
 2.7 days in young & mild  
 3.5 days in young & severe

## <Discussion>

→ a few minutes saved in delivering intravenous tPA translates to significant benefits equivalent to days, weeks, and even months of disability-free life



**Figure 3.** Relationship between disability-adjusted days gained per minute of faster treatment, age, and stroke severity. Base-line stroke severity measured with the National Institutes of Health Stroke Scale (NIHSS) where higher scores indicate more severe stroke.