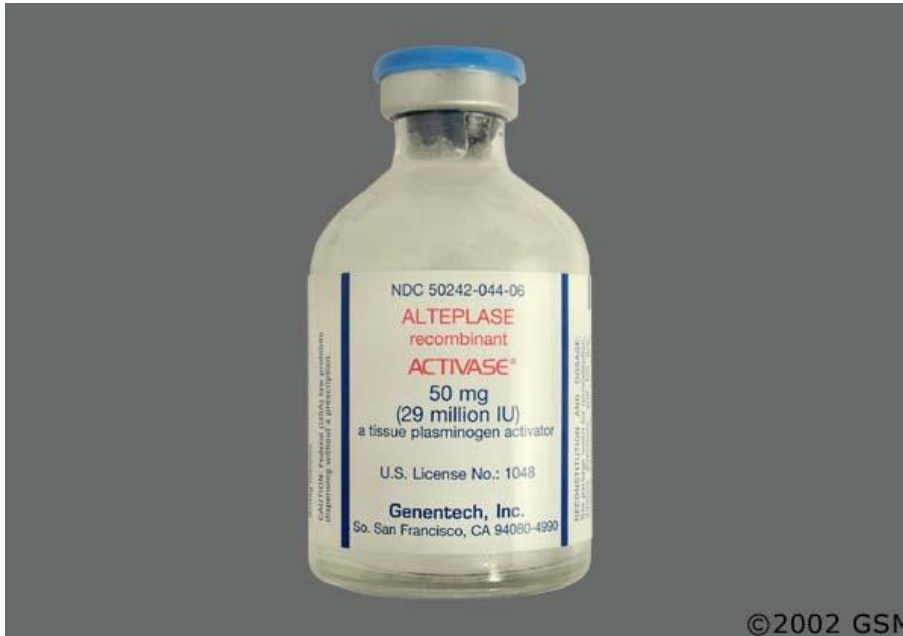


Increasing the stroke thrombolysis rate at the RD&E

Tom Monks

Thrombolysis for acute ischemic stroke



Treatment time (mins)	Treat to get one additional mRS 0-1
0-90	4.5
91-180	9.0
181-270	14.0

- Research has largely focussed on extension of the time window;
- Peninsula Stroke Network proposed analysis of the **impact of reducing in-hospital delays**;

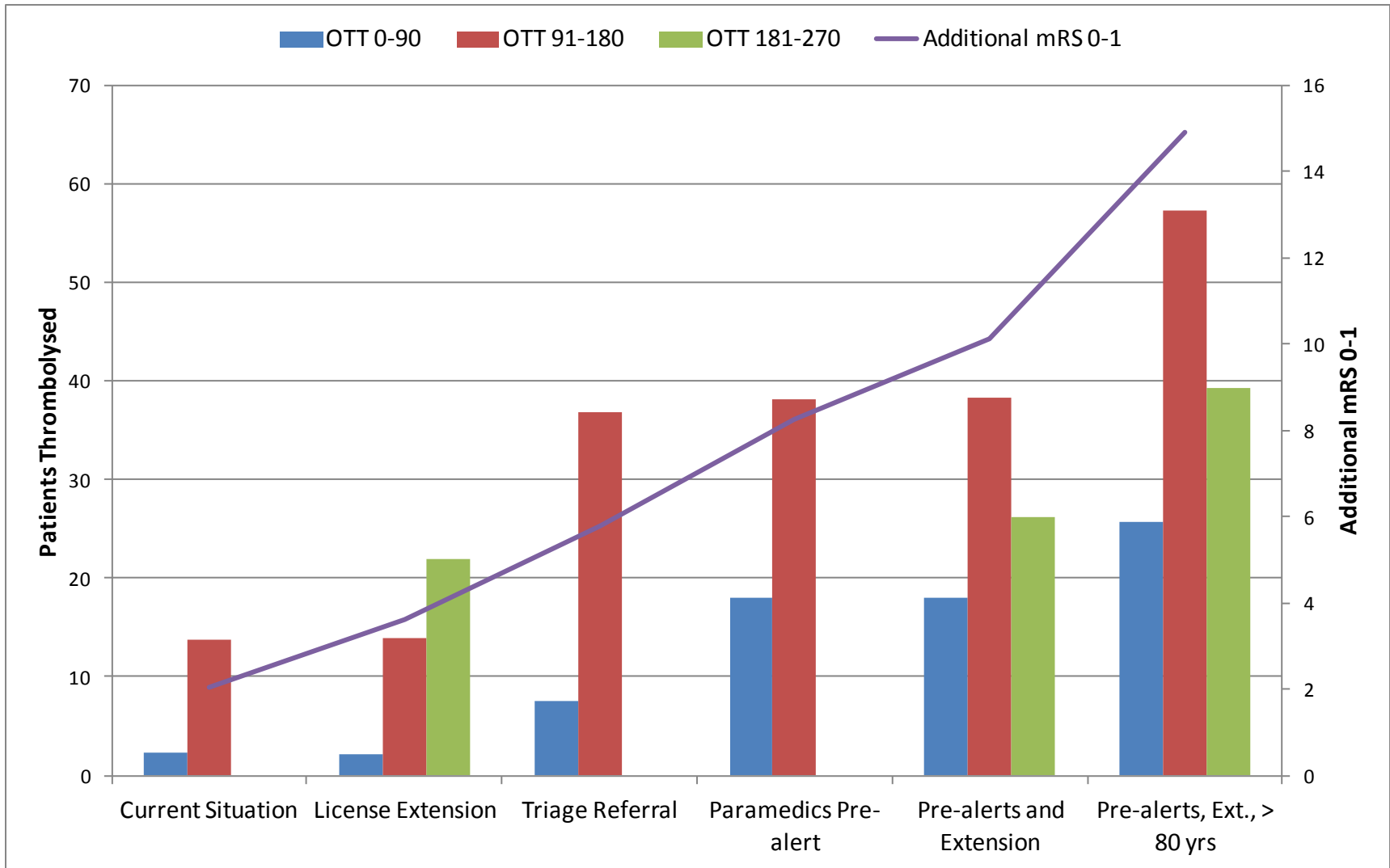
Objectives

1. Define a number of alternative pathways;
2. Evaluate pathways relative impact on:
 - Percentage of patients thrombolysed;
 - Onset to treatment times;
 - Additional patients with 90 day mRS 0-1;
 - Urgent callouts and prioritised CT scans.
3. Support implementation

Example scenarios explored

0. Base case: current operational practice
1. Extended thrombolysis license window
2. Early referral of patients by Triage nurses
3. Paramedics pre-alert on imminent stroke arrivals
4. Pre-alert system with license extension
5. Eligibility extended to include > 80 yrs

Results



Implementation

- Pilot of early referral at triage commenced Dec 2011
- Ambulance service currently implementing pre-alerts
- Evaluation of real world impact
- Further project work with Ambulance service
- Further project work with North Devon Hospital