SHIP: trials update

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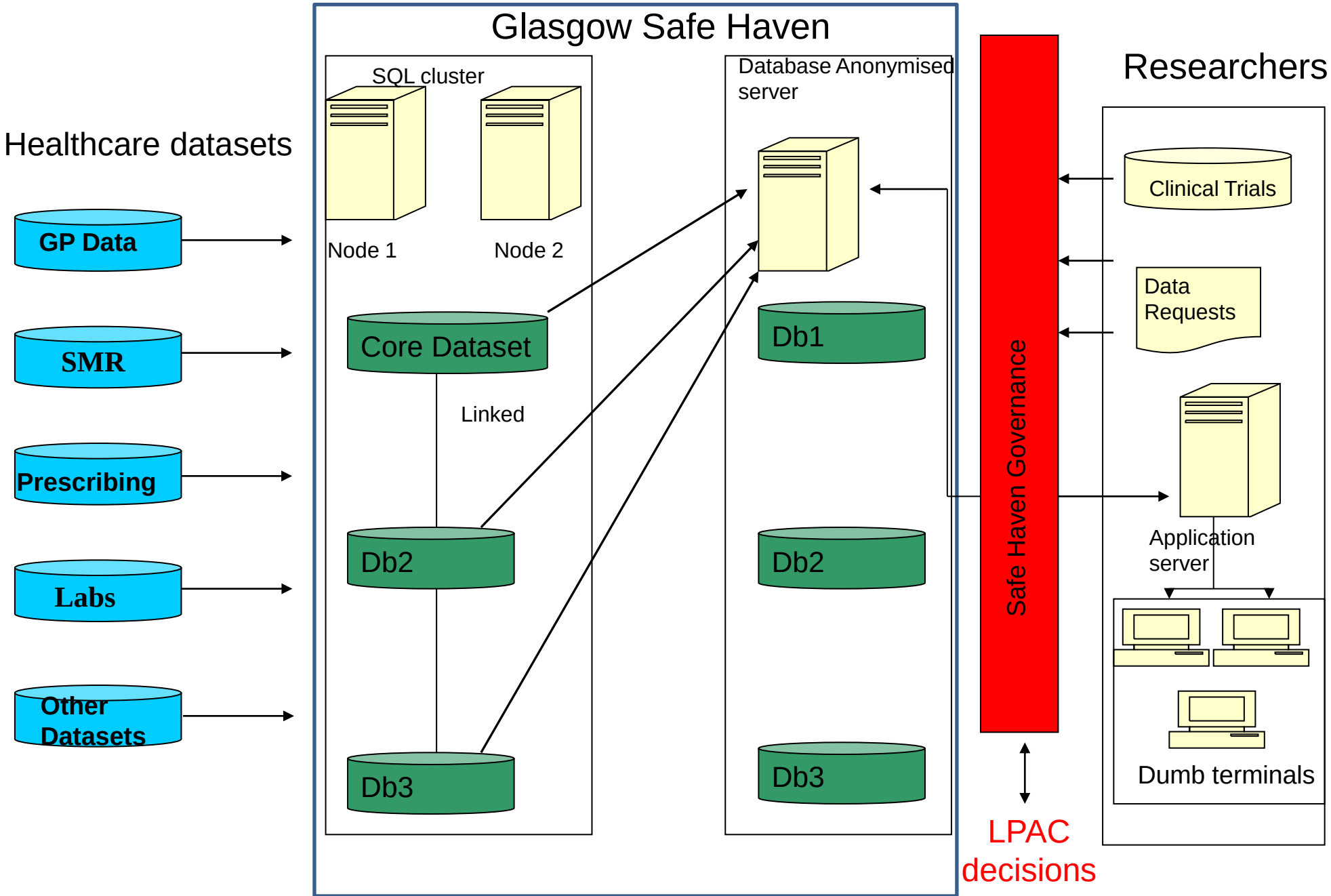
Trials, data quality and applications

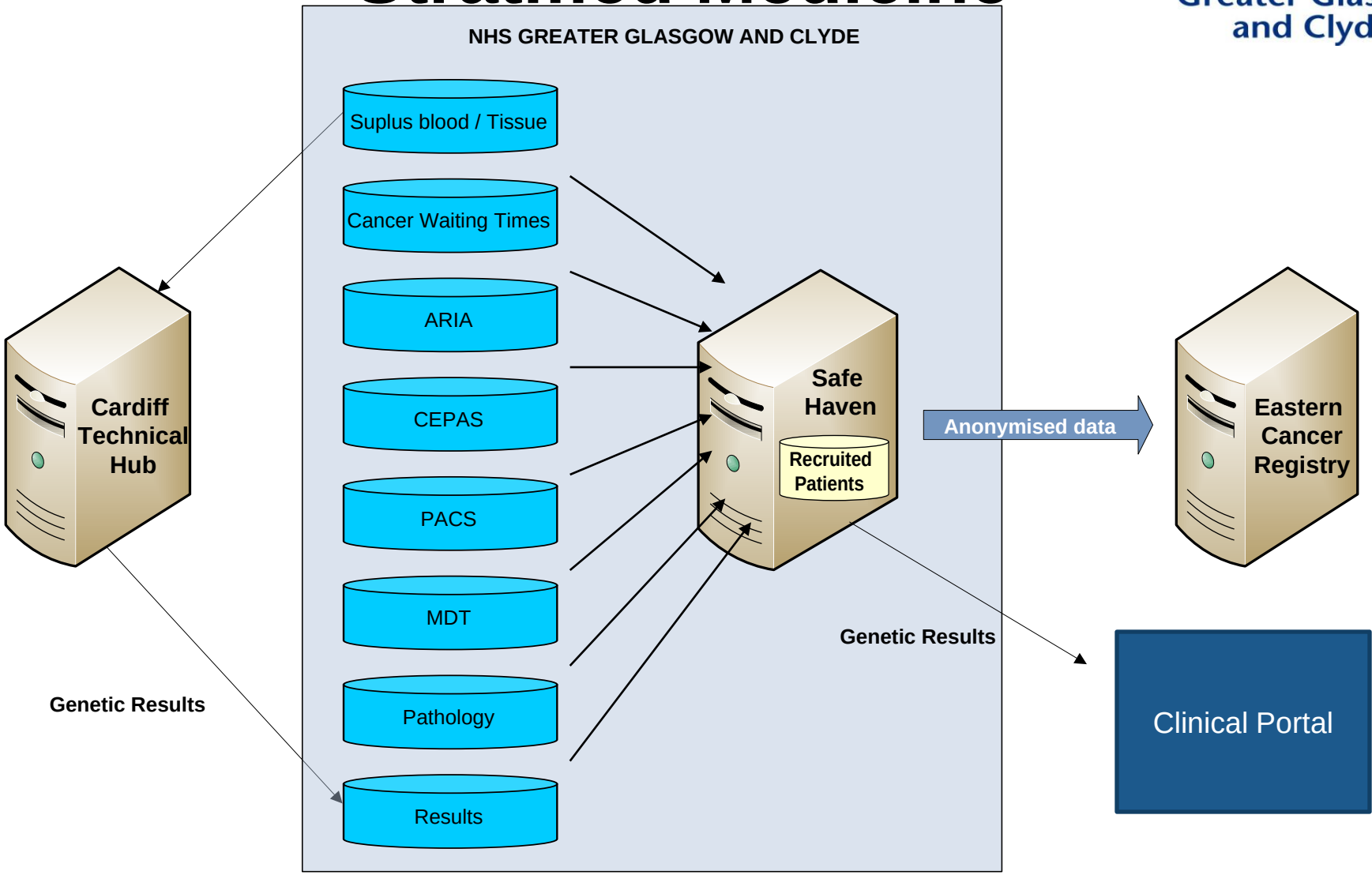
- **Adequacy of routine health data for inclusion as endpoints in trials**
  - WOSCOPS adjudicated outcomes vs. record linkage***
  - PROSPER cancers vs. record linkage*
- **Additional linkages for WOSCOPS and PROSPER cohorts**
  - Extended follow-up of PROSPER***
  - WOSCOPS linkage to HRG data for economics analyses***
  - Biomarker papers using extended outcomes
    - NTBNP in WOSCOPS***
    - BP variability in PROSPER, predictors of BP variability***
- **To do**
  - WOSCOPS 20 years
  - PROSPER, WOSCOPS linkage to SCI-DC

***Papers in submission or about to be submitted

- Generic data query and analysis tools
  - Standard format to define study
    - CDISC SDTM
    - Standard controlled terminology - same for all studies
    - Easy merging of data
    - Standard, validated eCRF screens
    - Reusable data validations, statistical analysis, reports
- Trial recruitment and feasibility query tool
  - Investigate study feasibility
  - Identify potential participants in primary/secondary care
- Pilot of DataSHIELD implementation with Glasgow e-science hub


Glasgow Safe Haven
Healthcare datasets
GP Data
SMR
Prescribing
Labs
Other Datasets
SQL cluster
Node 1
Node 2
Core Dataset
Linked
Db2
Db3
Database Anonymised server
Db1
Db2
Db3
Safe Haven Governance
LPAC decisions
Researchers
Clinical Trials
Data Requests
Application server
Dumb terminals

Stratified Medicine



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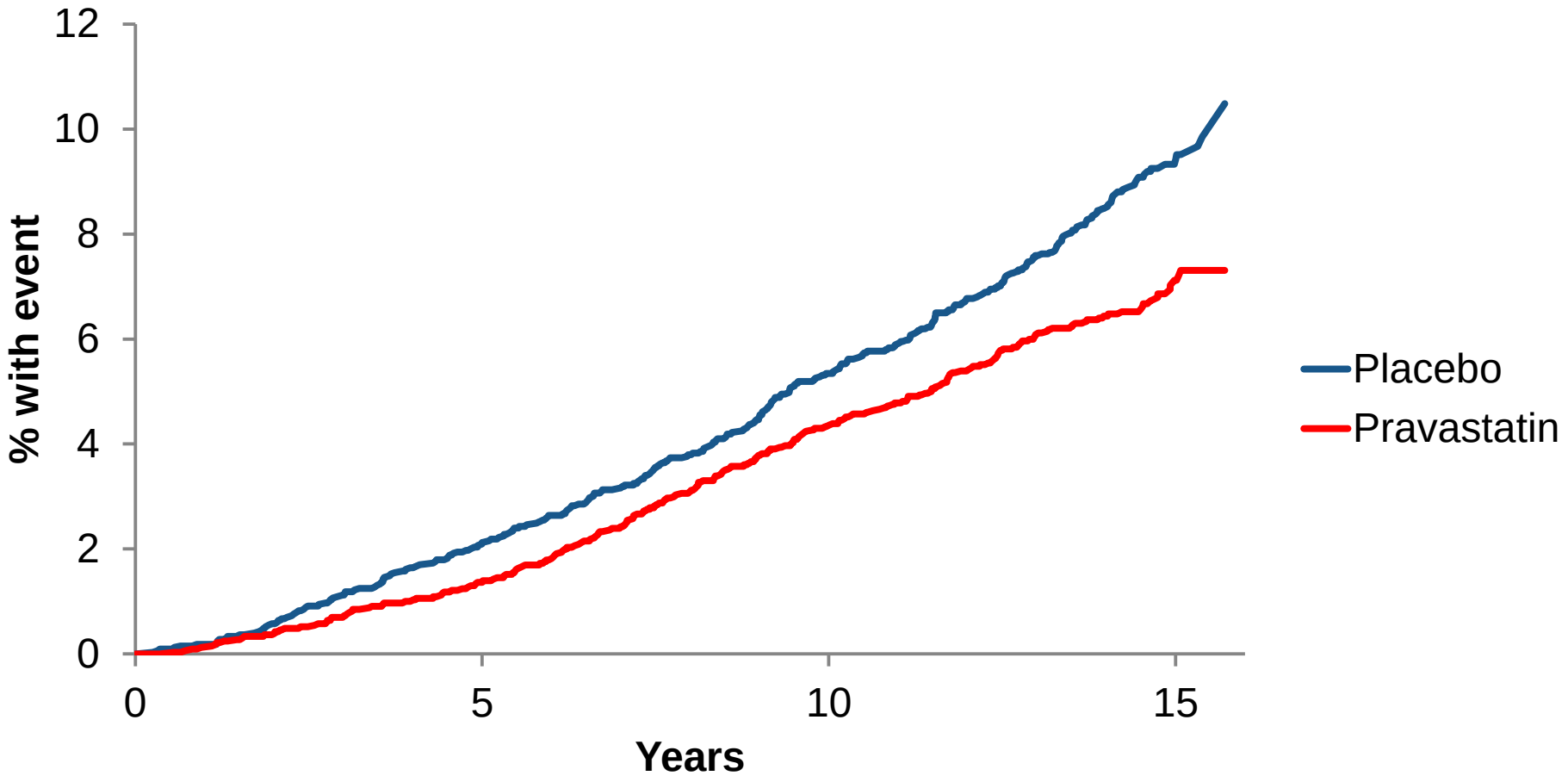
NHS Greater Glasgow and Clyde

Example: WOSCOPS economics analysis

PCI/CABG – CI



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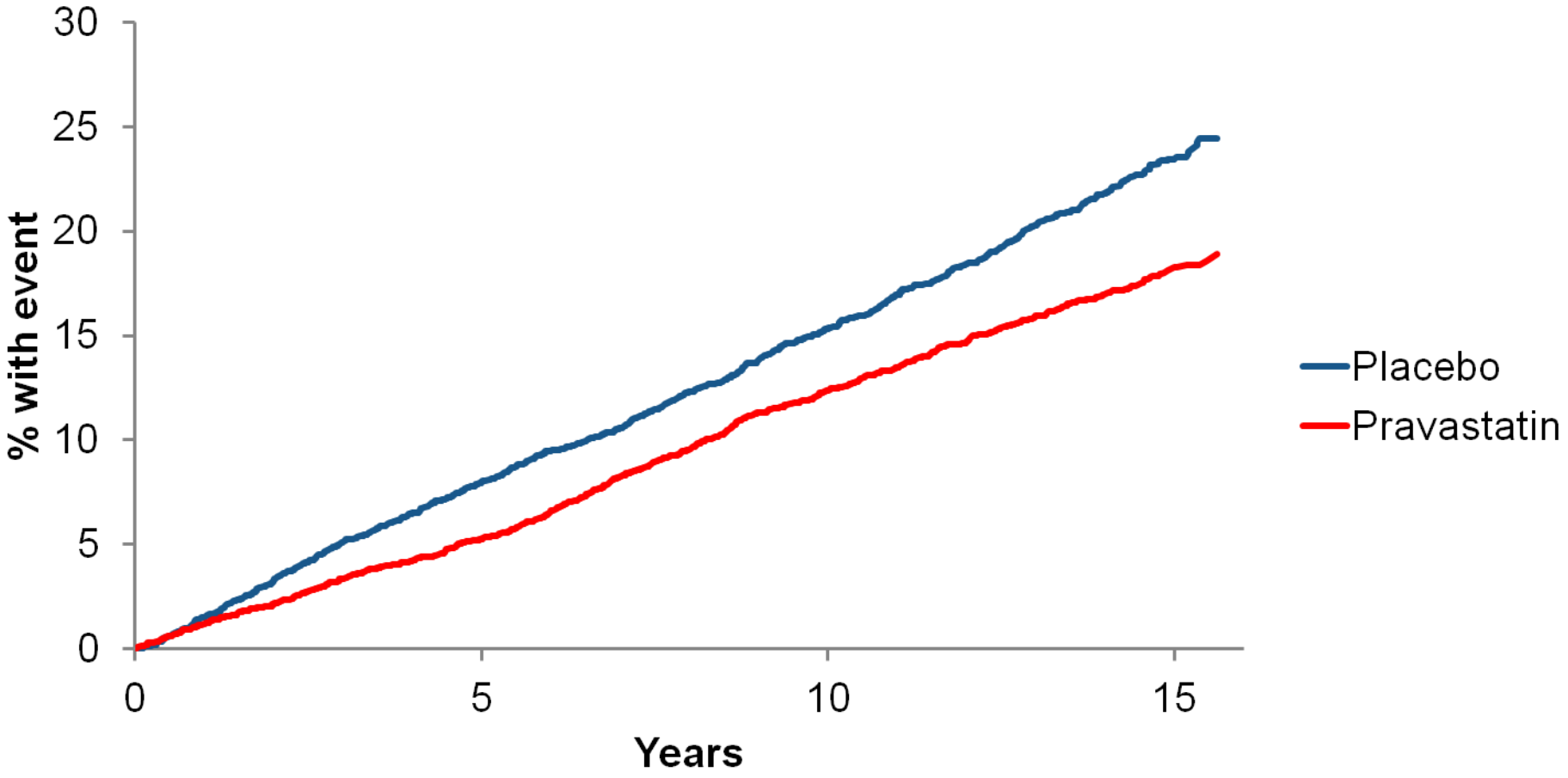
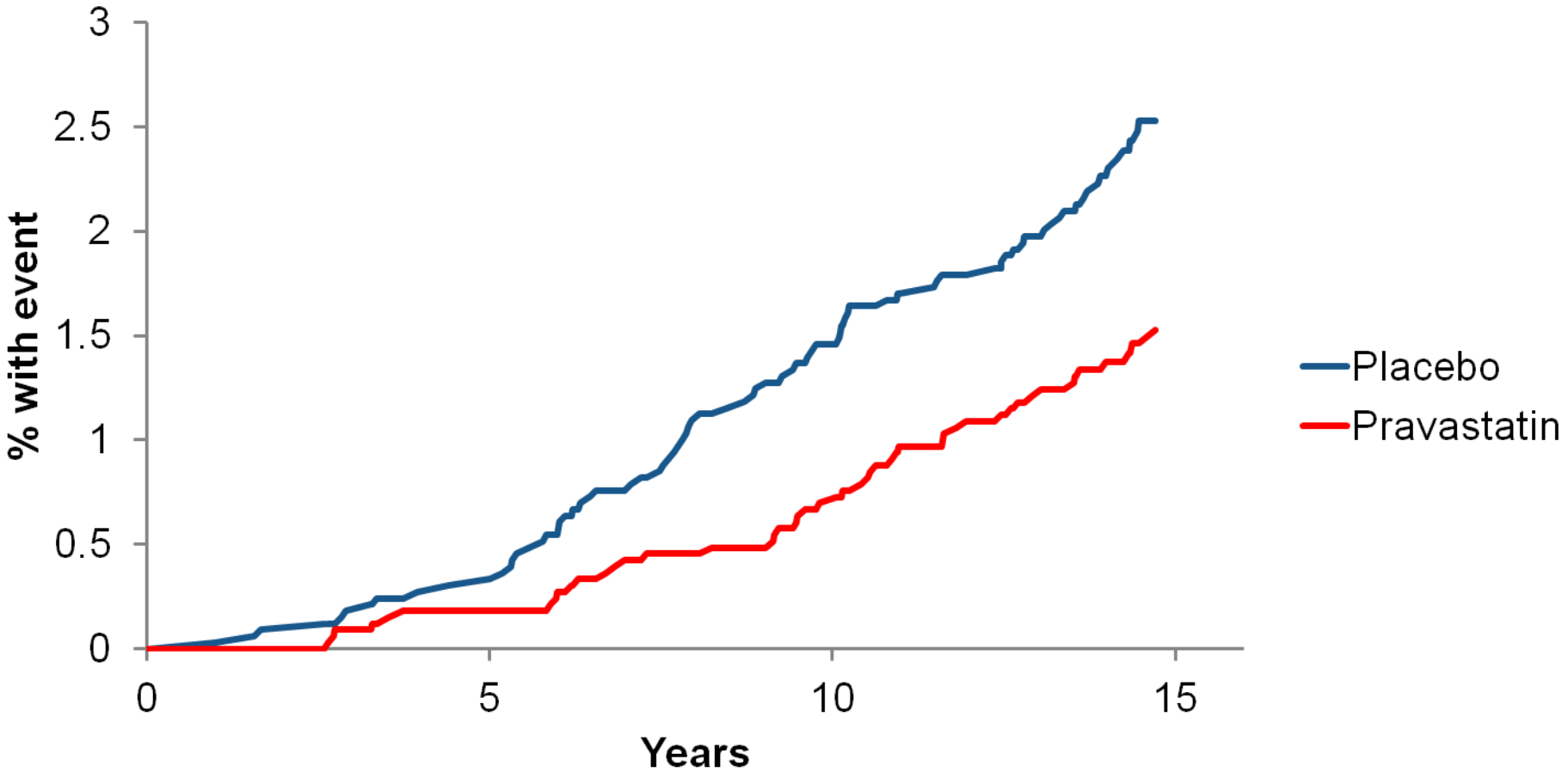
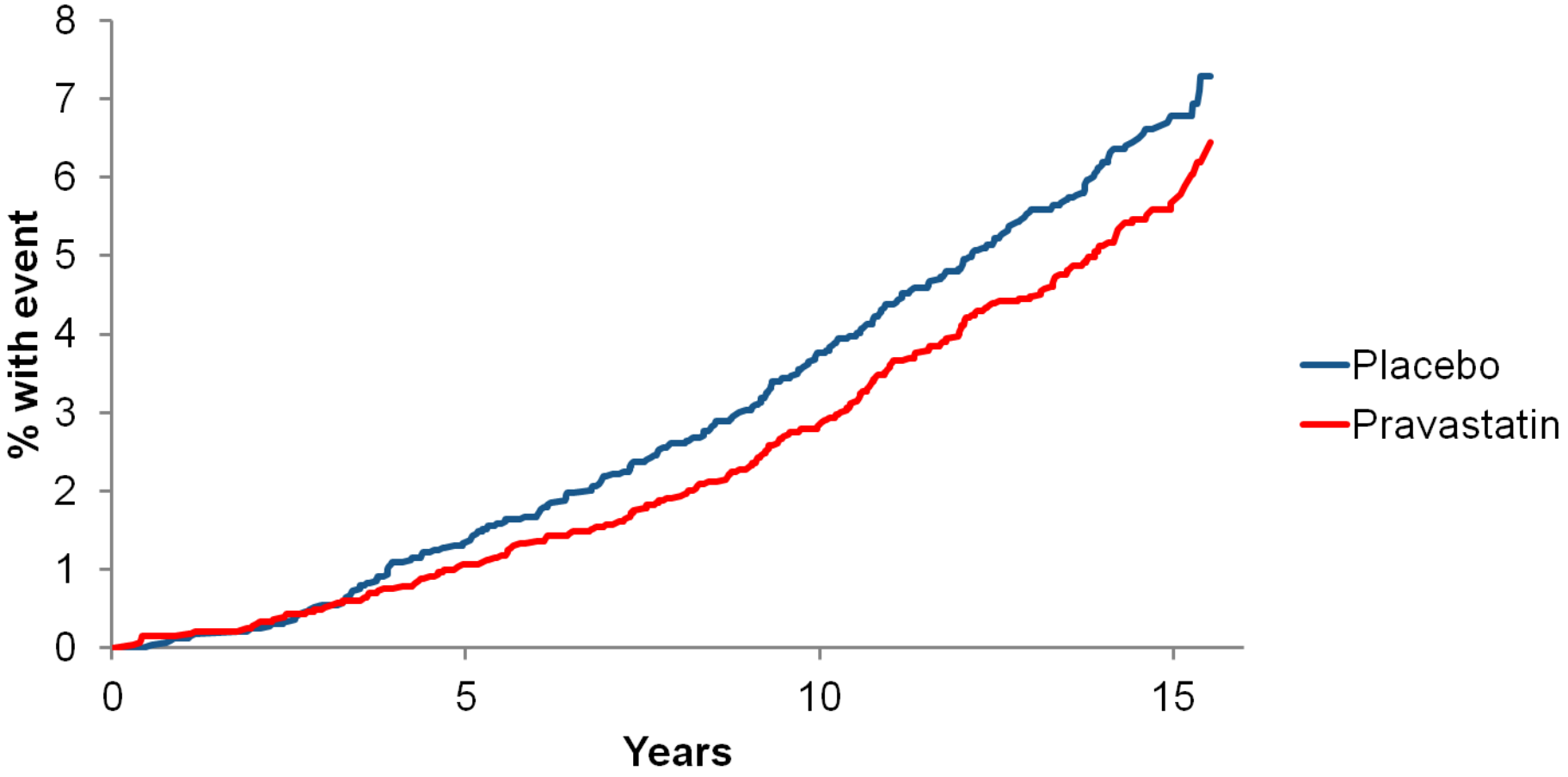
CHD – CI



HF – CI



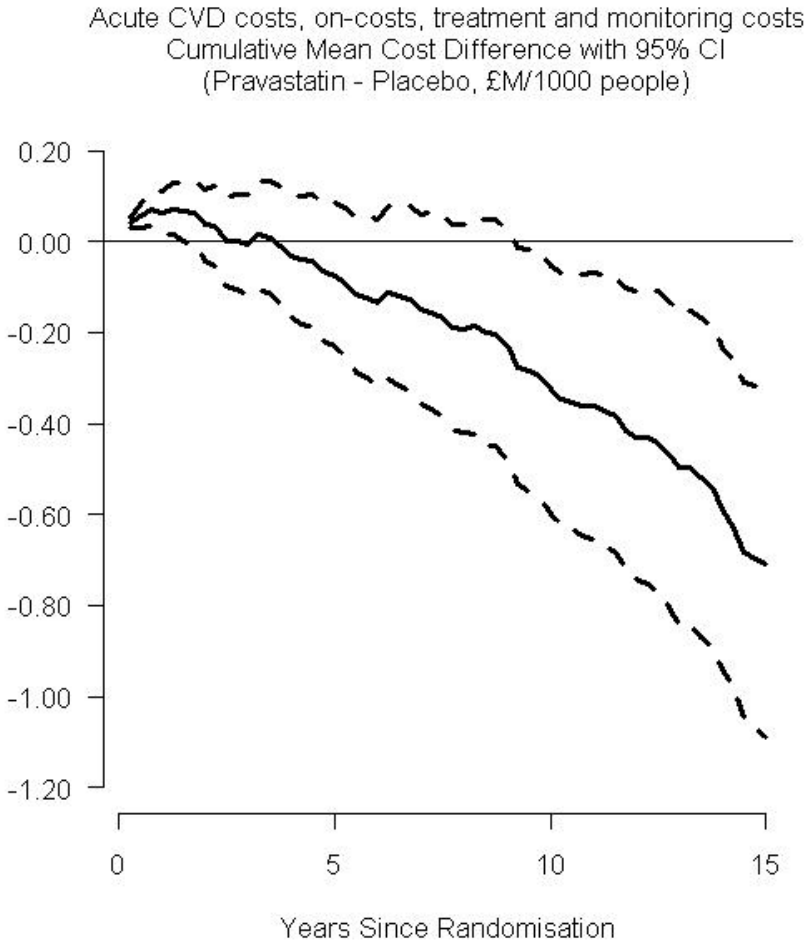
Stroke – CI

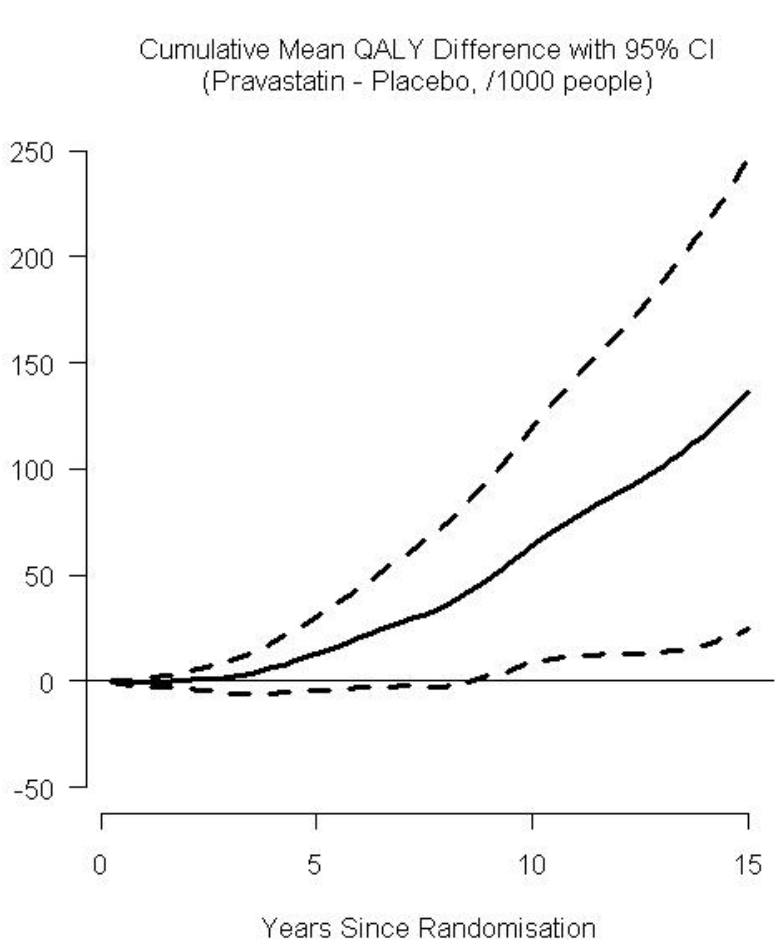


Costs and benefits

- **Treatment of 1000 patients for 5 years with pravastatin 40mg will, over 15 years:**
  - **Save the NHS £710,000**
  - **Gain 136 QALYs**
  - **Save 1836 days in hospital**

Cost Effectiveness





Cost Effectiveness