

Radiotherapy for CTYA 2010 – 2011

Dr. Matt Williams
Clinical Oncologist, ICHNT
Clinical Lead for QA, NCRS

Dec 2013

Matthew.williams2@imperial.nhs.uk

Radiotherapy

- High-energy x-rays
- Historically important for cancer treatment
- Continue to be important
- Better recognition of late-effects
 - Especially in younger patients
- Often long courses (5 – 6 weeks)
 - May be very complex descriptions of dose

Late effects of RT

- Growth
 - Bone, Muscle
- Function
 - Endocrine, Cognitive
- Cosmesis
- Second-malignancy

Radiotherapy Data in England

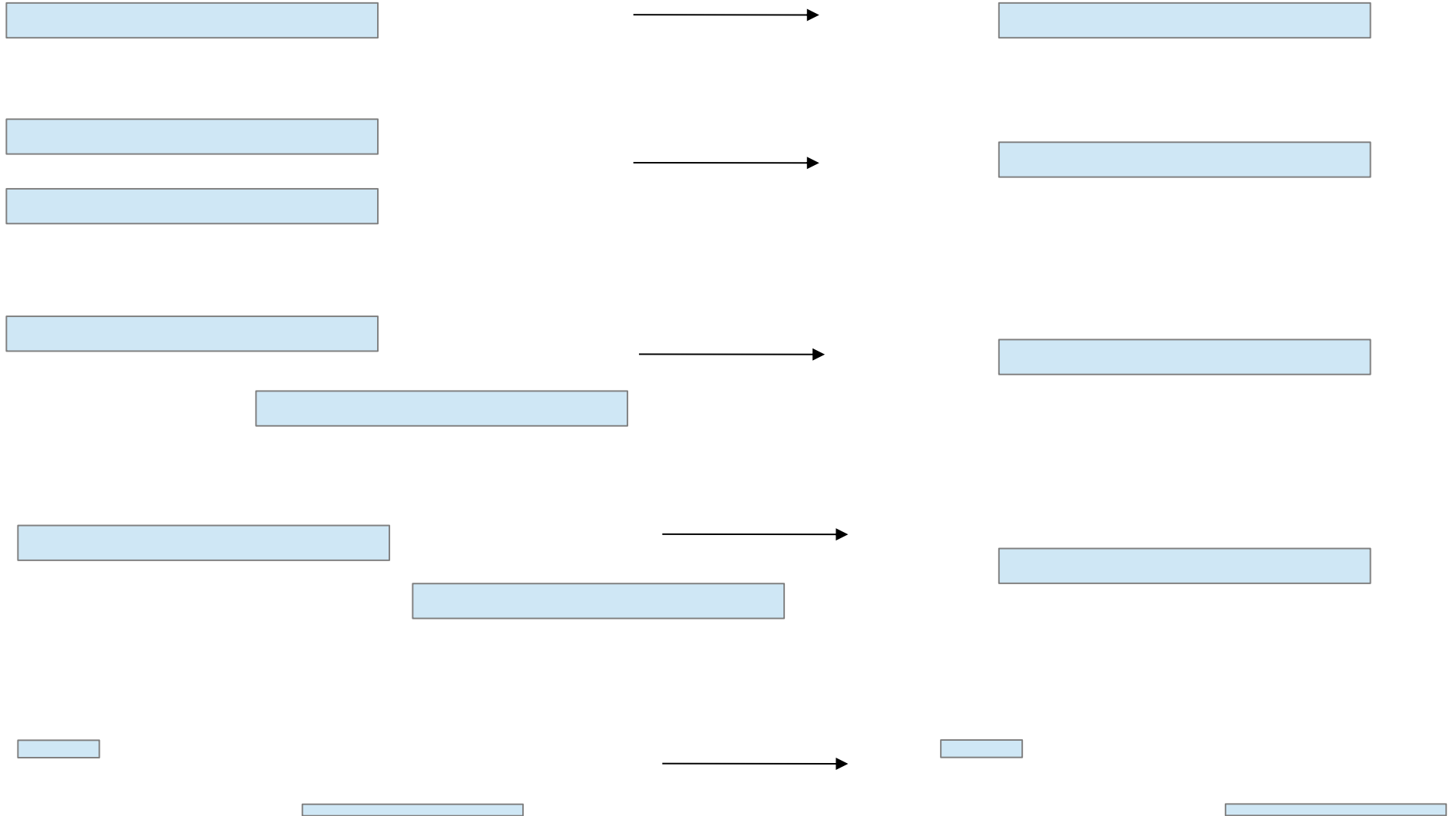
- RT has EXCELLENT data
 - Legal framework
 - Computerised systems
- Now nationally extracted into RTDS
- Managed by NatCanSat
- Various reports
 - Little mention of CYTA specific data

This Work

- CYTA (0-24)
- Who lived in England and started & finished RT 2010 – 2011
 - Info on primary site (ICD10), age, sex, where treated, survival
- Need more info on disease
 - Link with Cancer Registry data
 - added morphology data
 - Also checked ICD 10 code

All results preliminary

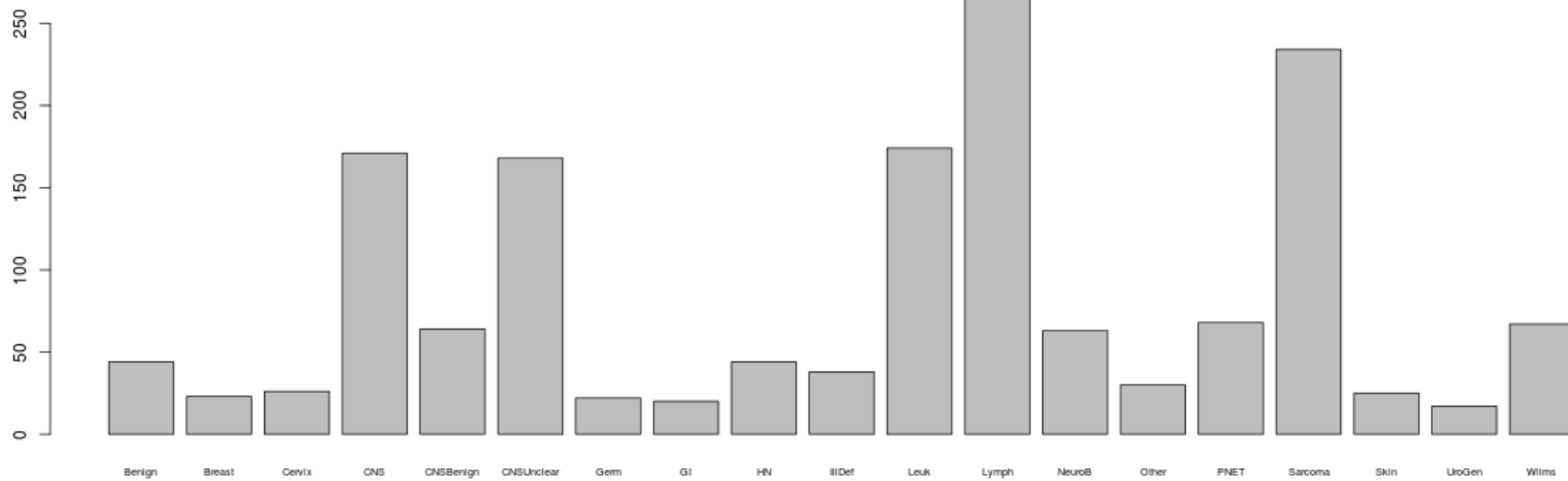
Biggest Problem



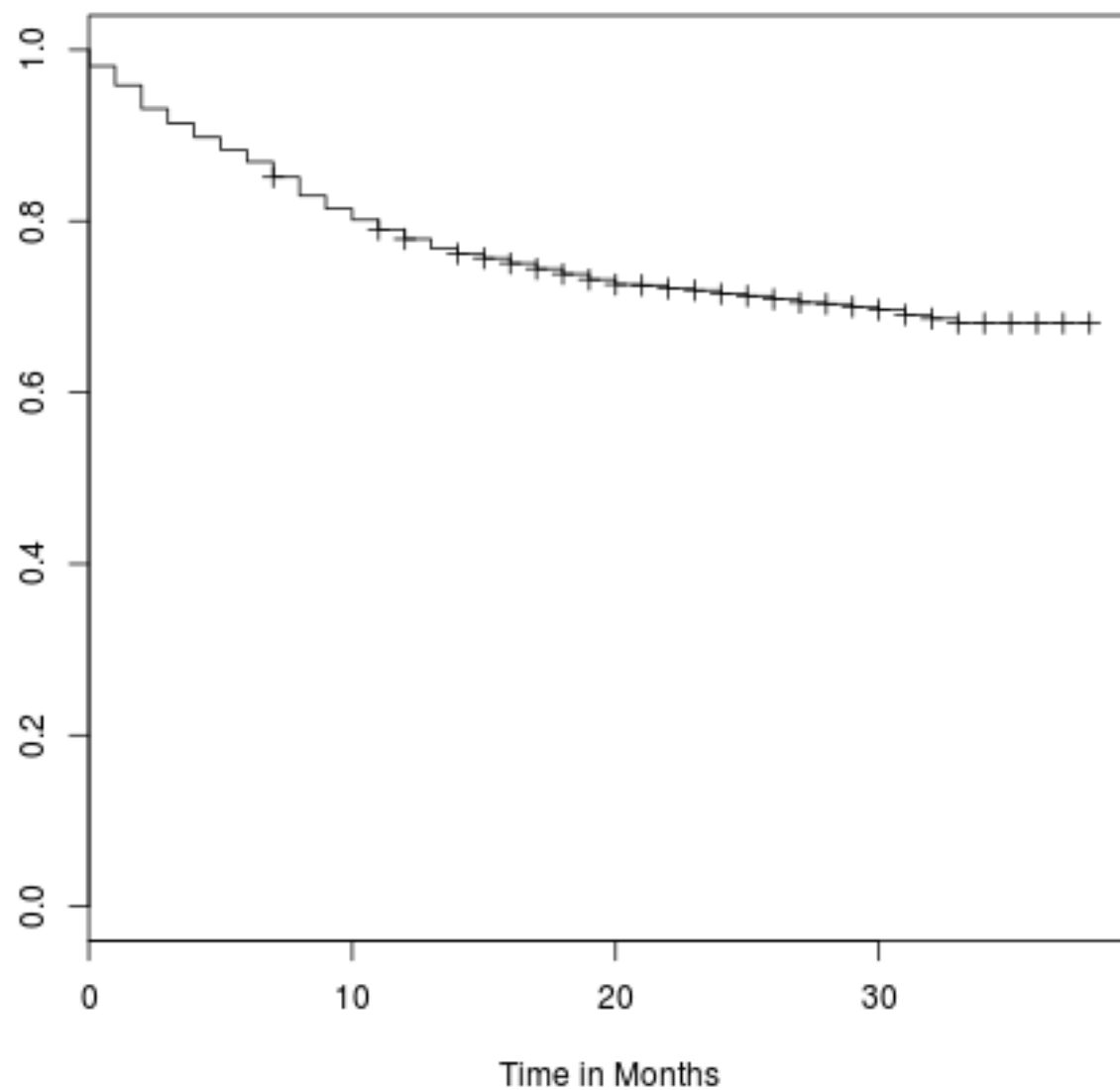
Results

- 1597 patient
- 2309 courses
 - Reduced from 2819 courses
 - May reduce further
- Age, Primary Site and Survival

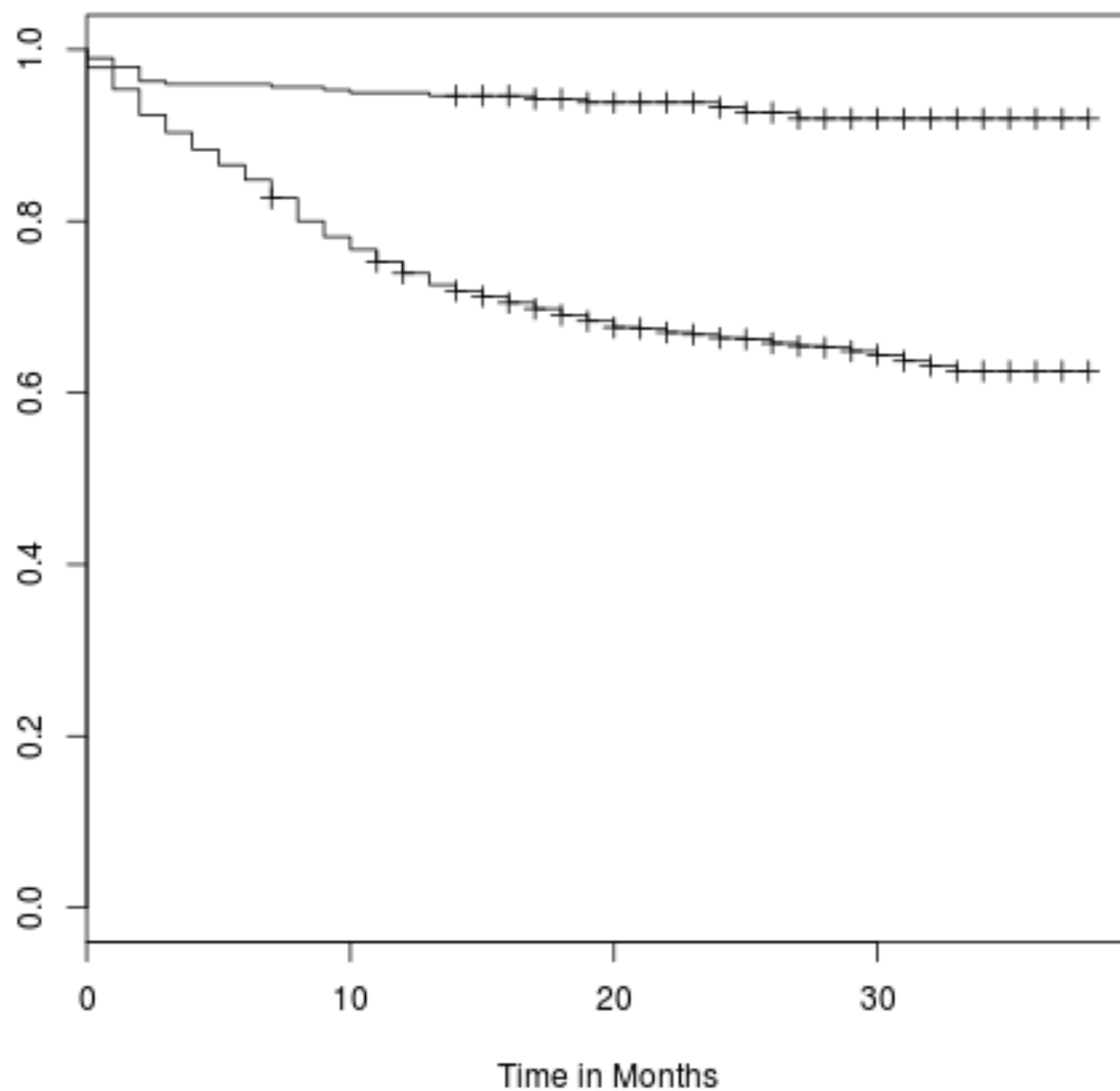
Distribution of Primary Sites



Overall Survival in Months



**Overall Survival in Months
for Lymphoma vs. others**



Some RT specifics

- 56 TBIs & 1 hemi-body
- 85 IMRT
- Who gets brain RT ?
 - 262 pts in all
 - 249 are CNS primary
 - 63% OS @ 24 months
 - Most of whom are patients with primary brain

Further Work

- Incident populations
- Dose/ frac
 - Who is getting hyper-frac RT ?
- Where are people treated ?
- Other questions suggested by you!

Summary

- RT important, but toxic component of treatment
- RTDS potentially very useful
 - Needs some care in interpreting data
 - Depends on whether you want to know about treatment

Thanks

- Mark Gaze & Jenny Gains (UCH)
- Mike Stevens & Peter Hoskin
- NatCanSat – Nicky Thorp & Chris Ball
- NCRS – Catherine O'Hara, Tony Moran & Sally Vernon

