

Since 1989

- 2,900 participants
- 500 publications
- \$30 million
- 150 researchers p.a.
- 40-50 students p.a.

Our Experience



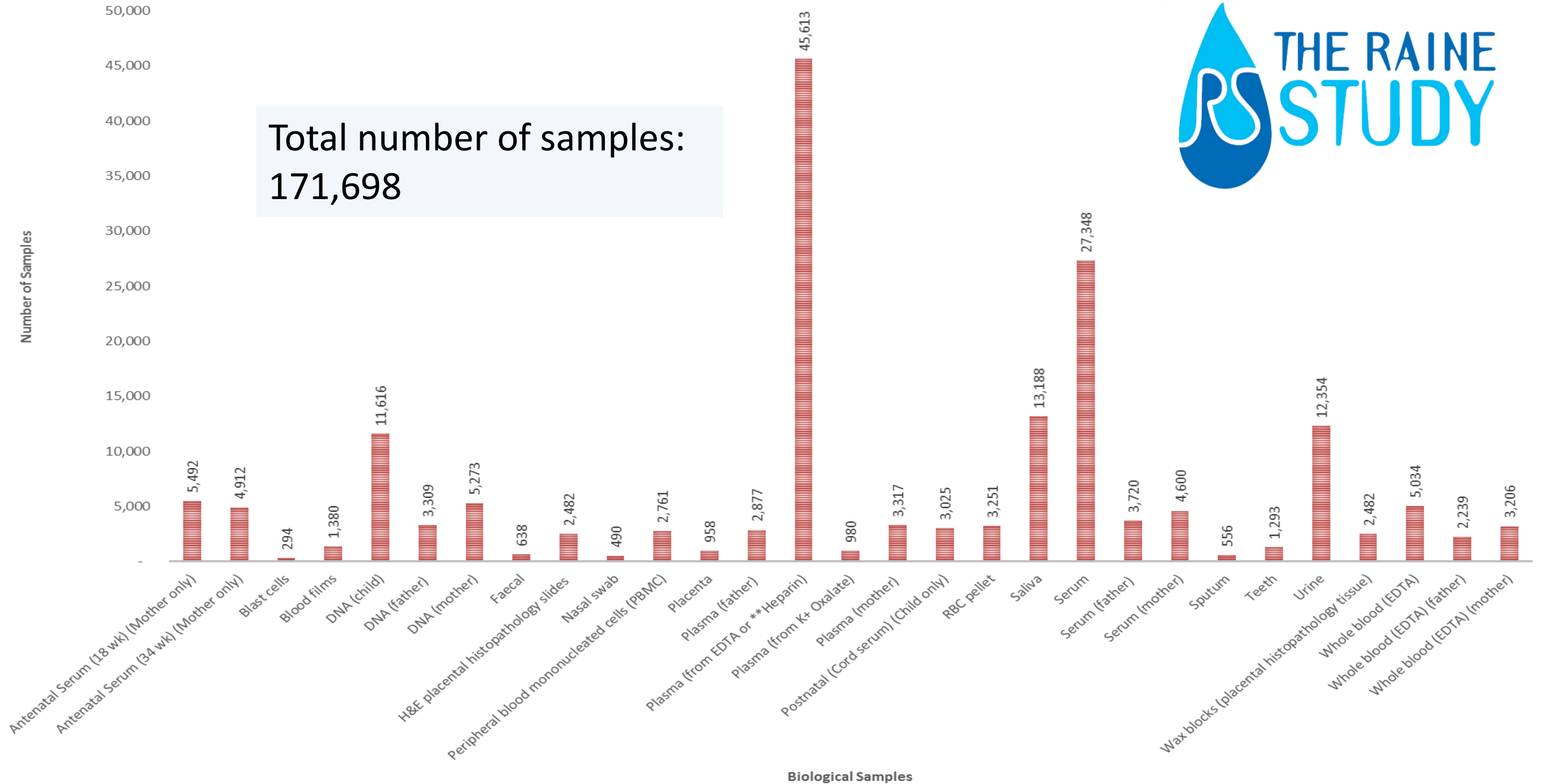
An Unincorporated Joint Venture (UJV)



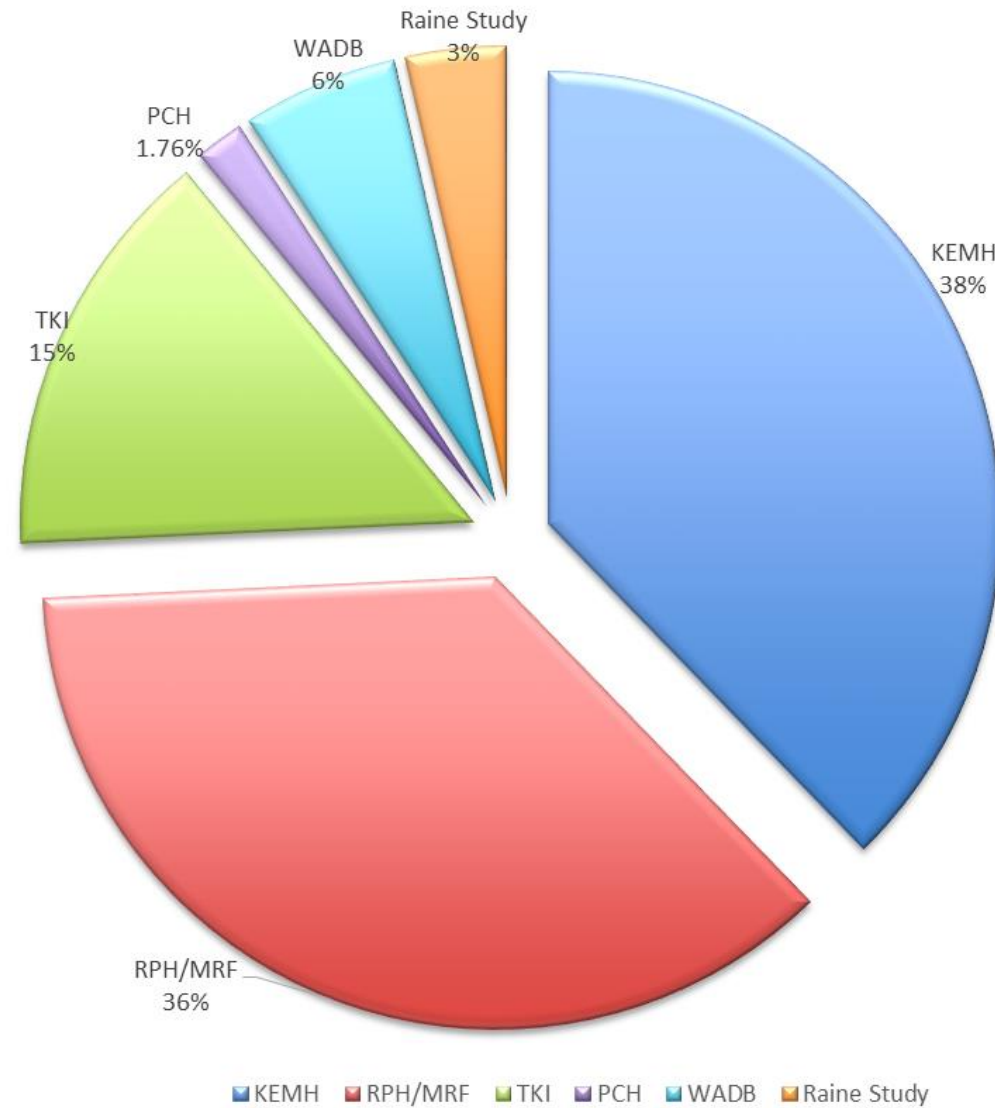
RAINE STUDY BIOSAMPLES IN STORAGE



Total number of samples:
171,698



Raine Study Biosamples by location



Freezers - current

-200°C Cryotank

1x liquid nitrogen cryogenic preservation
used at PCH, Nedlands

-80°C Freezers

2x Freezers used at old TKI Building, Subiaco
4x Freezers used at MRF Building, East Perth
4x Freezers used at KEMH, Subiaco

-20°C Freezers

1/8thx Freezer used at DNA Bank, RPH

Upright Fridge

1x KEMH Subiaco



Freezers – future

-80°C Freezers

1x -80°C freezer (large) for next data collection at 30
year follow-up (~year 2020)

3x for 32/33 year follow-up (~2022/2023).

i.e. 48,000 biosamples over the next 5 years.

(approx. 1200 participants @ 20 samples per person)

Challenges and Solutions



- Secure curation of invaluable resource
- Funding access to biosamples - researchers
- Funding curation of biosamples - government?
- Governance, ethics – overarching + study specific
- National vs state biobank resource

Raine Biobank Management



- Biosamples at RPH/MRF are managed by Trevor Mori and team
- Biosamples at KEMH are managed by Jeff Keelan and team
- Biosamples at WA DNA Bank are managed by Eric Moses and team
- Biosamples at PCH are managed by Pat Holt and team
- Biosamples at 100 Roberts Rd Subiaco are managed by the building facilities team at a cost
- Biosamples at the Raine Study are managed by the RS team