

# Research containers are a potential silver bullet to data access issues

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## PROBLEM: Australian health studies are being delayed and abandoned

- Barriers to accessing Australian health due to privacy concerns
- Researchers waste time on frustrating bureaucratic processes
- Time and financial costs of legal processes and legislation
- Important research questions remain unanswered
- National study of vaccines took five years of paperwork to obtain the data [1]

## SOLUTION: Research containers

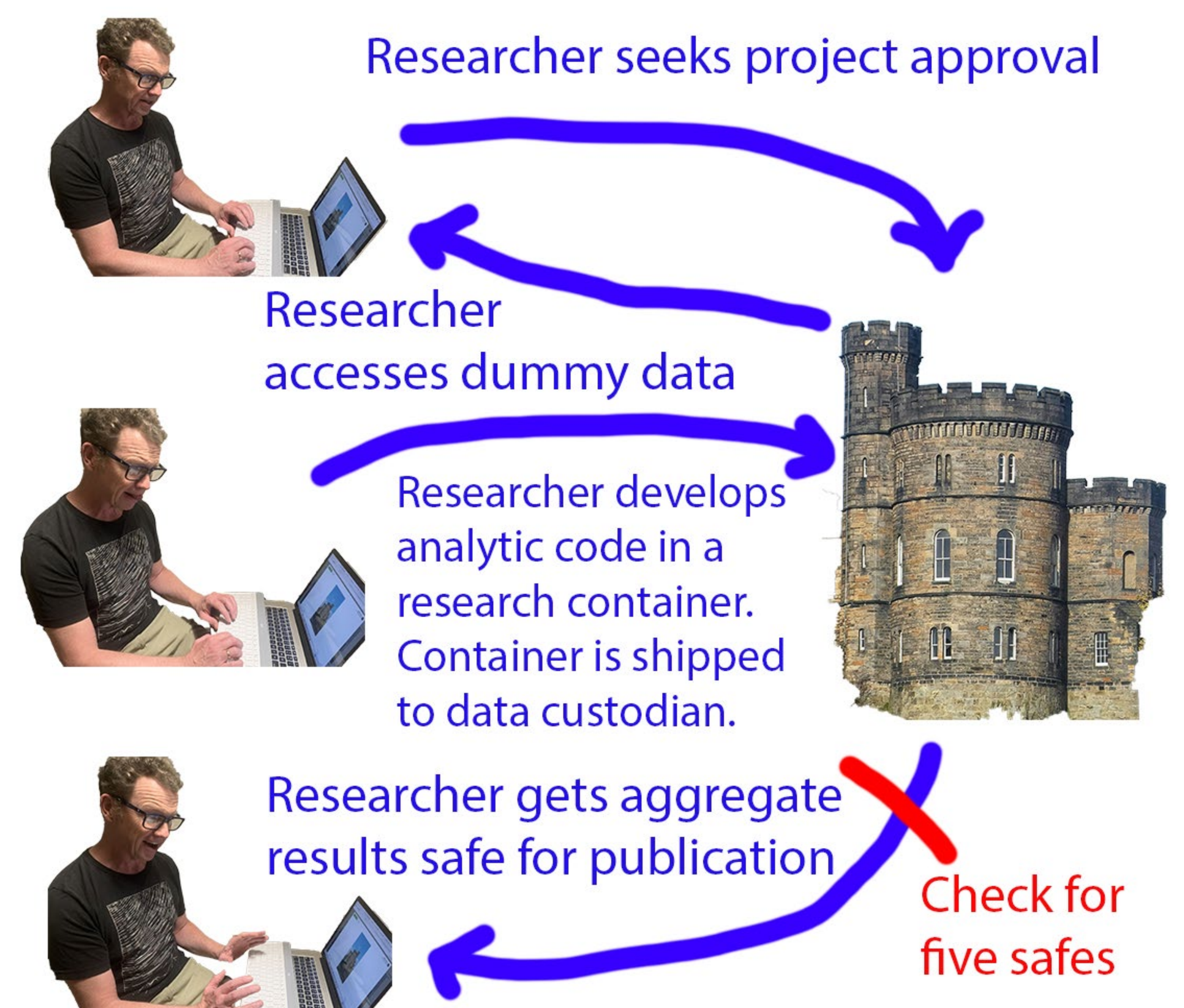
- Combine dummy data and research containers to allow researchers to **safely analyse data**

### BENEFITS

- ✓ **Secure:** Researchers never see the real data and the data never leaves its secure location
- ✓ **Efficient:** Greatly reduced bureaucracy around ethical clearances
- ✓ **Reproducible:** Code and research plans are open

### POTENTIAL BARRIERS

- ✗ **New skills needed** for researchers and data custodians in using research containers
- ✗ **Changed workflows** for researchers, and data custodians who need to clear results.
- ✗ Upfront **costs** to establish system



## IN ACTION: UK's OpenSafely

- The UK's OpenSafely group have allowed researchers to safely analyse the health records of over 17 million NHS patients, with 155 research projects in 4 years
- Endorsed by citizens juries, patient groups, and privacy campaigners