

+ ● ■ ✕ Let's make this  
 ✕ ● + ✕ our healthiest  
 G E N V generation  
 ■ ● ■ ✕ ever

## Generation Victoria (GenV): A whole-of-state maternal and early life platform spanning DOHaD to Intervention

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### The Vision

- GenV conceptualizes an entire system (the State of Victoria) becoming a **single dynamic research platform**.
- By 2035, its vision is to have solved complex issues facing children and adults today and tomorrow.

### Background

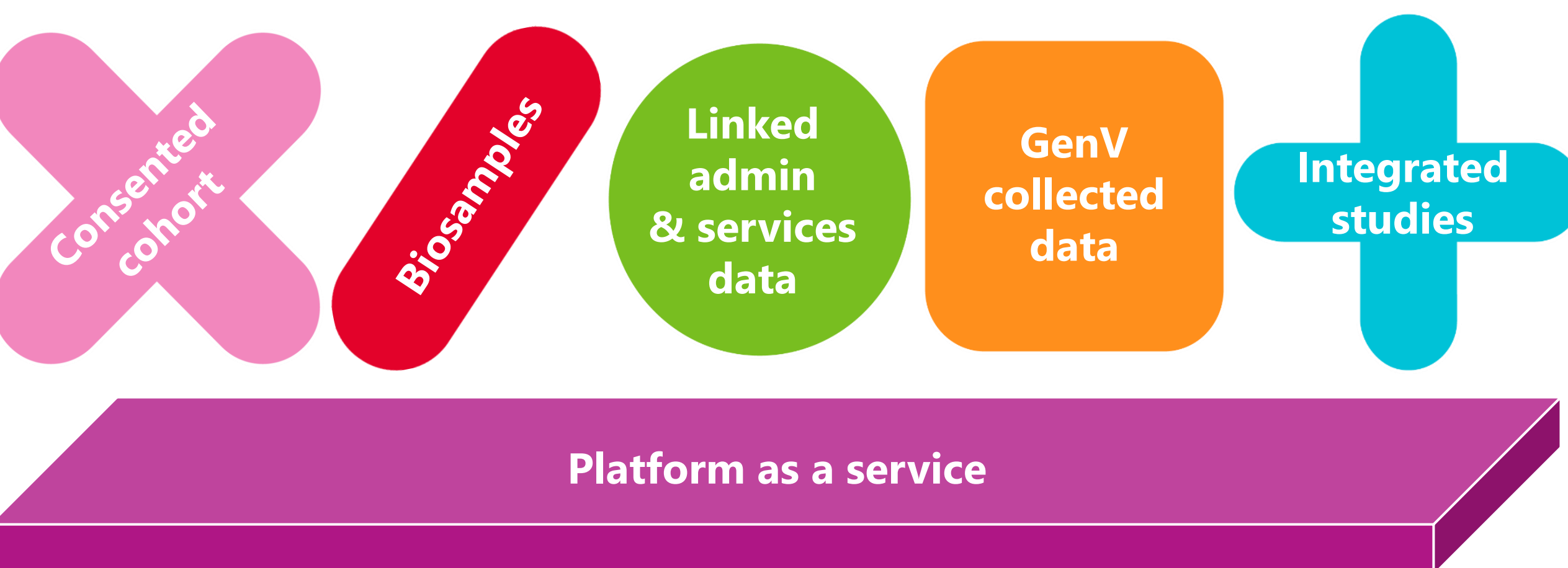
Addressing translatable evidence gaps (prediction, prevention, treatments, services) could improve maternal, fetal and girls', women's health and wellbeing.

### Aims

GenV aims to create large, parallel whole-of-state birth and parent cohorts to support discovery & interventional research, with lasting change in the landscape of large-scale research for mothers, fathers and babies.

### What is GenV?

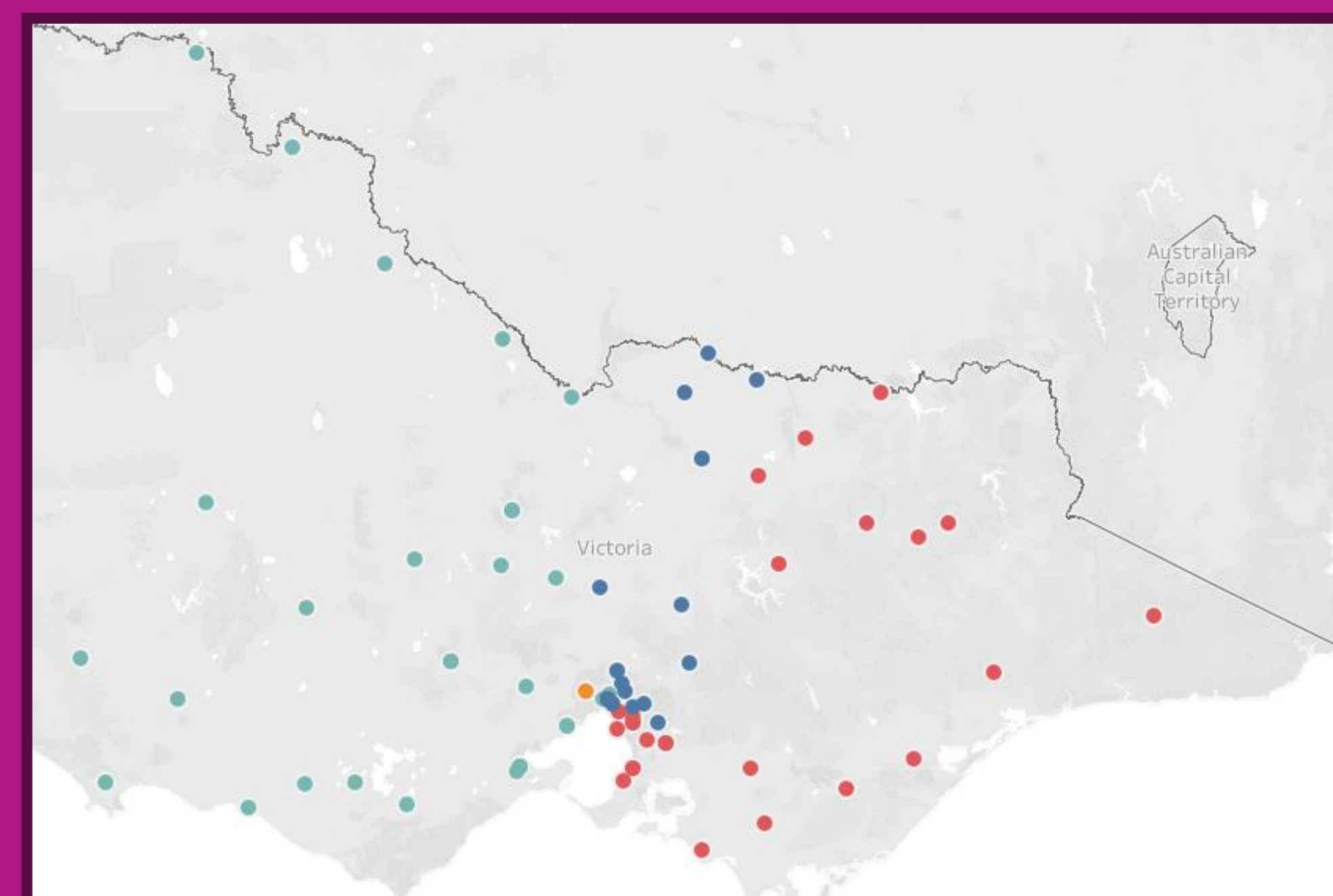
- A whole-of-Victoria cohort targeting all 150,000 babies born Oct 2021-Sept 2023 and their parents
- It has a simple design with 6 'building blocks':



# GenV could help solve issues for pregnancy, maternity and newborns

It's for all Victorian newborns &  
 parents over **2 years from Oct 2021**

GenV is at your hospital - **your  
 patients can take part now**



### Interested in GenV?

Find out more at [www.genv.org.au](http://www.genv.org.au)

### GenV Publications



### Collaborate with GenV



### How is GenV going so far? (as of Jan 2022)

- **25,733** participants  
**10,030** babies
- ✕ **5,387** participants from regional Victoria
- **203** twins or multiples
- ✕ **2,414** participants whose primary language is not English
- **60** languages captured by our recruiters (inc Auslan)
- ✕ **55 of 58** birthing hospitals (capturing 98% of Victorian Births)
- **9 of 11** antenatal pathology services (92% of pregnancies)
- ✕ **64,309** antenatal blood samples stored by pathology companies & VCGS
- **21,497** saliva samples collected

### GenV is open for collaboration...

and designed for Open Science. Here are some examples:

- Twins Registry Australia
- Special Care Nurse Registry
- Implementing gestational weight gain guidelines
- 7 day statewide breastmilk repository
- Hospitals prescribing & statewide pre/perinatal pharmacovigilance
- Loss of skills registry
- NONA Complex Pregnancies
- New Genetic screens for future NBS
- cCMV point-of-care screening
- AIROPLANE
- OPTIMUM
- MIIMS

### Acknowledgements and thank you to...

- The participating Victorian **hospitals**, including site investigators, liaisons and clinical staff.
- The public and private **pathology services**.
- The GenV **Investigator Committee**, MCRI and GenV **Steering Committee** and expert **Working Groups**.
- The **Integrated studies** collaborating with GenV.
- Our directors, leads and the extended **GenV team**.

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<sup>1</sup>Murdoch Children's Research Institute; <sup>2</sup>The University of Melbourne; <sup>3</sup>Joan Kirner Women's and Children's, Western Health; all – Melbourne, Victoria, Australia