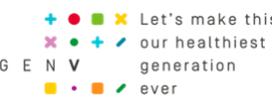# Current GenV Collaborations

Open to every Victorian child born Oct 2021-Oct 2023, Generation Victoria (GenV) is Australia's largest birth and parent cohort. It aims to help solve complex problems facing today's children and adults.

GenV is collaborating with clinical trials, registries, and other research projects. Joining up GenV with other studies can increase the value of the studies and GenV. It also cuts down costs, effort and doubling up.

Benefits to collaborating with GenV include faster and/or whole-of-state recruitment from GenV's culturally and linguistically diverse child and parent cohorts, access to rich GenV-collected and linked data, and access to GenV-collected biosamples and bioassay data. With full attention to privacy and governance, these assets allow the study of pre-existing and long-term confounders and effect modifiers, longer or broader outcomes than can usually be collected by a single study. They also support impact modelling of outcomes to the Victorian population.

GenV welcomes collaboration! Please visit the GenV website to learn more: Collaborating with GenV

the airoplane trial	**The AIROPLANE Trial** **Who**: Babies born 32-35 weeks who needed breathing support at birth **What**: The AIROPLANE trial compares two oxygen levels, already widely used at birth, to find out if one level results in babies needing less breathing support overall Project lead: A/Prof Louise Owen
murdoch children's research institute	**EpiGenomic Newborn Screening (EpiGNs)** **Who:** GenV families who give consent for genetic testing of their baby's samples **What:** EpiGNs is a new cost-effective model of genomic newborn screening that may improve early identification of rare genetic disorders Project lead: A/Prof David Godler
GENV Let's make this our healthiest generation ever	**GenV Breastmilk Repository** **Who:** All families who provide a breast milk sample at the time of joining GenV (when their baby is at least 7 days old) **What:** The GenV breastmilk repository will be one of the largest repositories of breastmilk in the world supporting research into maternal/child health and nutrition. Project lead: Prof Richard Saffery
GENV Let's make this our healthiest generation ever	**GenV Hospital Prescription Project** **Who:** GenV mothers who were prescribed medication during or after pregnancy **What:** GenV's Prescription Project is pioneering a process to link with hospital clinical records to learn more about the safe use of medications during pregnancy Project lead: Dr Yanhong Jessika Hu
the women's the royal women's hospital victoria	**Maternal metabolic health And Mother and Baby health Outcomes (MAMBO)** **Who:** Women >20 weeks pregnant (+/-4 weeks) who receive pregnancy care at the Royal Women's Hospital or Frances Perry House **What:** MAMBO is following a group of women to understand which babies are at risk of long-term metabolic disease and how to best prevent and treat those diseases Project lead: Dr Sarah Price

	The Maternal Vaccine Study Who: GenV babies and their mothers What: The Maternal Vaccine study is looking at the safety and long-term protection of the COVID-19 and Influenza vaccines for pregnant women and their babies Project lead: A/Prof Margie Danchin
	Optimising Immunisation using Mixed Schedules (OPTIMUM) Who: Healthy babies (>32 weeks) 6-12 weeks of age who are not yet vaccinated What: The OPTIMUM study is testing whether having a different whooping cough vaccine at age 2 months may protect against food allergy Project lead VIC: A/Prof Kirsten Perrett
	Screen Congenital Cytomegalovirus Study (Screen cCMV) Who: All families who provide a baby saliva sample at the time of joining GenV What: Screen cCMV is evaluating a CRISPR screening test for cCMV, the most common infectious cause of childhood hearing loss, and whether early detection could lead to life-changing treatment Project lead: A/Prof Valerie Sung
	Special Care Nursery (SCN) Who: All babies who were admitted to a Victorian SCN or NICU after they were born What: GenV's SCN project is bringing together information about the care given to babies in Victoria's many SCNs and NICUs to help improve care for babies who need extra support Project lead: Dr Jing Wang
	Twins Research Australia (TRA) Who: Families of multiple births (twins, triplets and more) What: TRA has been running for over 40 years to support twin and family studies across Australia and has made many discoveries – these span asthma, allergies, epilepsy, breast cancer and more Project lead: Prof John Hopper
	Victorian Childhood Hearing Longitudinal Databank (VicCHILD) Who: Children with congenital permanent hearing loss in one or both ears What: VicCHILD is a state-wide registry and research databank for children born with permanent hearing loss. It aims to find better ways to understand, detect, and treat hearing loss to help deaf and hard of hearing children reach their full potential Project lead: A/Prof Valerie Sung
	Victorian Hip Dysplasia Registry (VicHip) Who: Children and adults with hip dysplasia in Victoria What: VicHip is a state-wide registry that aims to find better ways to detect and treat hip dysplasia, which could help people live healthier and more active lives Project lead: A/Prof Leo Donnan
	Victorian Infant Collaborative Study (VICS) Who: Babies born extremely preterm (<28 weeks) or extremely low birth weight (<1000g) and a group of healthy term babies What: VICS has run for over 40 years and has made many important discoveries to improve the lives of preterm babies Project lead: Prof Jeanie Cheong

MONASH University	The Victorian Skill Loss Registry
	Who: Children who have lost one or more skills - like language or walking
	What: GenV and Monash University are setting up a Victoria-wide registry to help improve the lives of children who stop gaining new skills or lose skills they once had
	Project lead: Prof Katrina Williams