A new project is underway to build a real-time reporting system that shows where and how COVID-19 is impacting Australia’s health system, based on de-identified data from 500 general practices across NSW and Victoria serving more than three million people.

The project aims to understand the extent to which the pandemic has indirectly affected people's health and how they may have responded differently compared to pre-COVID conditions.

“We want to quantify the nature of the problem and how deep that problem might be,” says Professor Andrew Georgiou of the Australian Institute of Health Innovation.

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How children break their bones: a decade of data
Fractures are the most common reason children in Australia are hospitalised for injury each year - and sport is the single biggest reason.

New research from the Australian Institute of Health Innovation published in the journal *Injury*, shows that young males account for two thirds of fracture-related hospital admissions with most injuries for all children resulting from a fall.

Associate Professor Rebecca Mitchell said school, home and sports areas were the three most common places where fractures occurred with most children engaged in sport at the time of injury.

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Gaps in epilepsy care uncovered

More than 80,000 Australians may be living with daily uncontrolled seizures from drug resistant epilepsy, known as refractory epilepsy, and can wait up to 17 years for life-changing surgery.
A significant new study involving people living with refractory epilepsy, their families, neurologists and GPs has uncovered gaps in diagnosis and care which lead to delayed access to surgery.

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Can AI help in the fight against COVID-19?

“Artificial intelligence is being used in several different ways to curb the current pandemic while demonstrating its potential to be even more effective for the next one,” write Professor Enrico Coiera, Australian Institute of Health Innovation, and Ian Scott, Associate Professor of Medicine, University of Queensland in MJA.

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The Australian Institute of Health Innovation (AIHI) at Macquarie University conducts world-class research with national and international research communities, governments, policymakers, providers of health services, managers, clinicians, patients and the community. Our work underpins health reforms and systems improvement, providing new tools, perspectives and evidence to help stakeholders who are interested in making the health system more effective, efficient and productive. Our overarching aim is to produce new, high quality research evidence to support change, prevention and improvement.

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