

Uptake of guideline-based care to prevent hepatitis B transmission during pregnancy and birth: a national linked data analysis

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Jennifer MacLachlan, Nicole Romero, Benjamin Cowie
**WHO Collaborating Centre for Viral Hepatitis,
The Doherty Institute**

Contact:
jennifer.maclachlan@mh.org.au

Acknowledgements



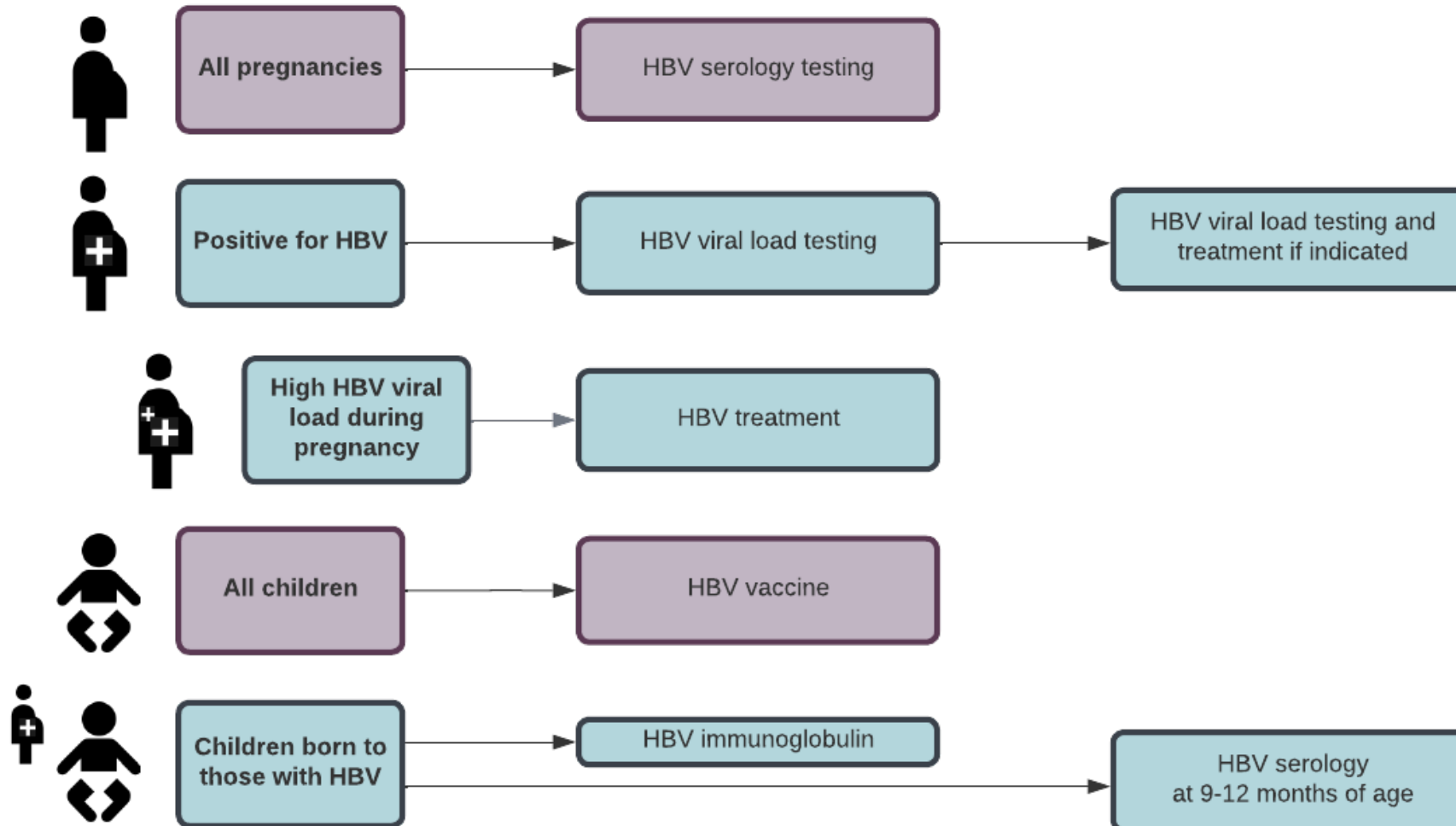
- Acknowledgement of Country
- Data provided by the Australian Bureau of Statistics via the Person-Level Integrated Data Asset (PLIDA)
- Our work using these data sources is funded by the Australian Centre for Disease Control and the Medical Research Future Fund
- Access to PLIDA is supported by the Department of Infectious Diseases at the University of Melbourne
- Oversight and feedback provided by our Research Advisory Group and the Cascades of Care Reference Group

What is guideline-based care to prevent hepatitis B transmission during pregnancy and birth?



During pregnancy/birth:

Postnatal:



Source of recommendations:

*Australian
Immunisation
Handbook*

*ASHM Hepatitis B
Testing Portal*

ASHM B Positive

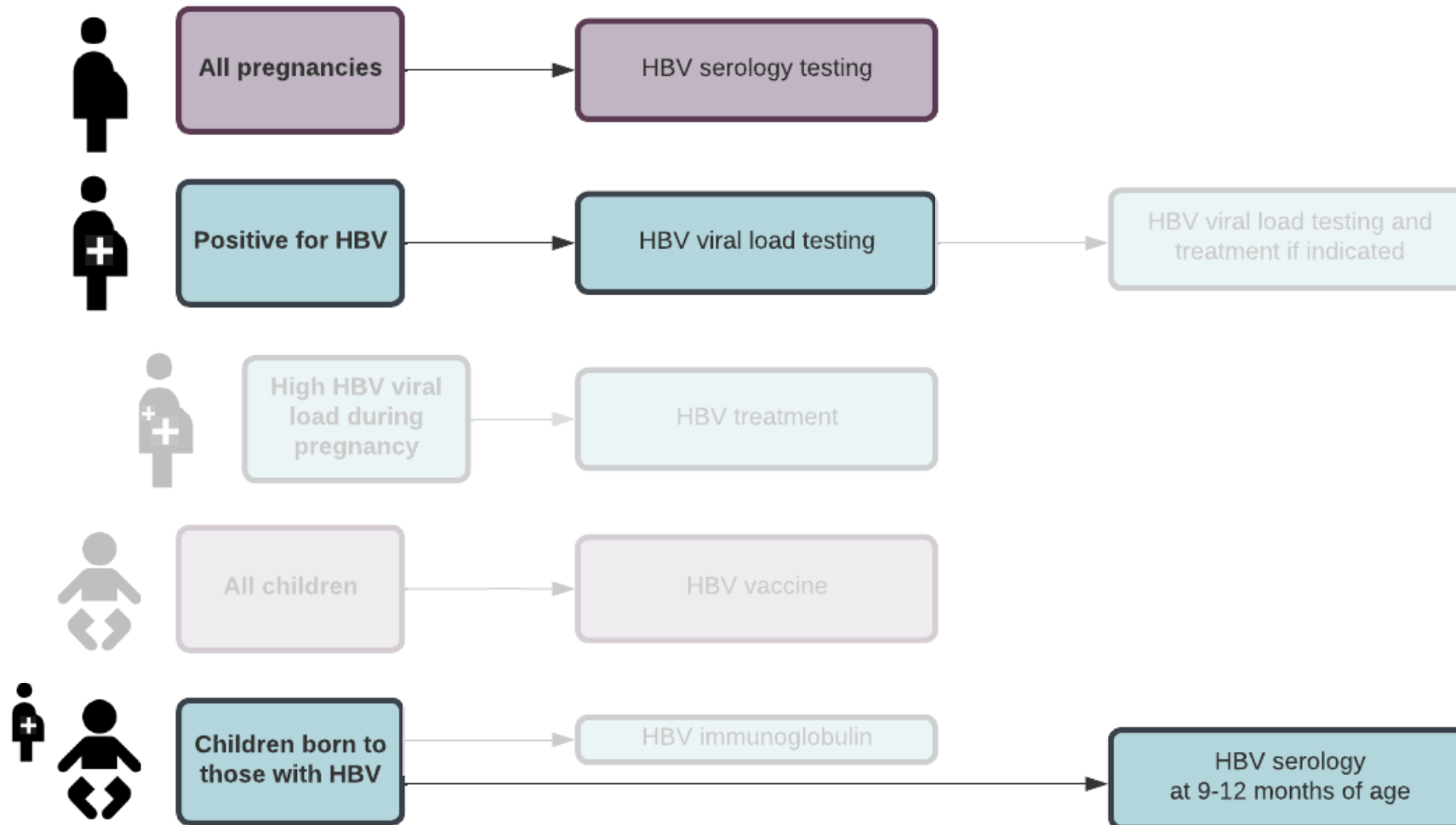
*Australian Pregnancy
Care Living
Guidelines*

Indicators in focus for this analysis



During pregnancy/birth:

Postnatal:

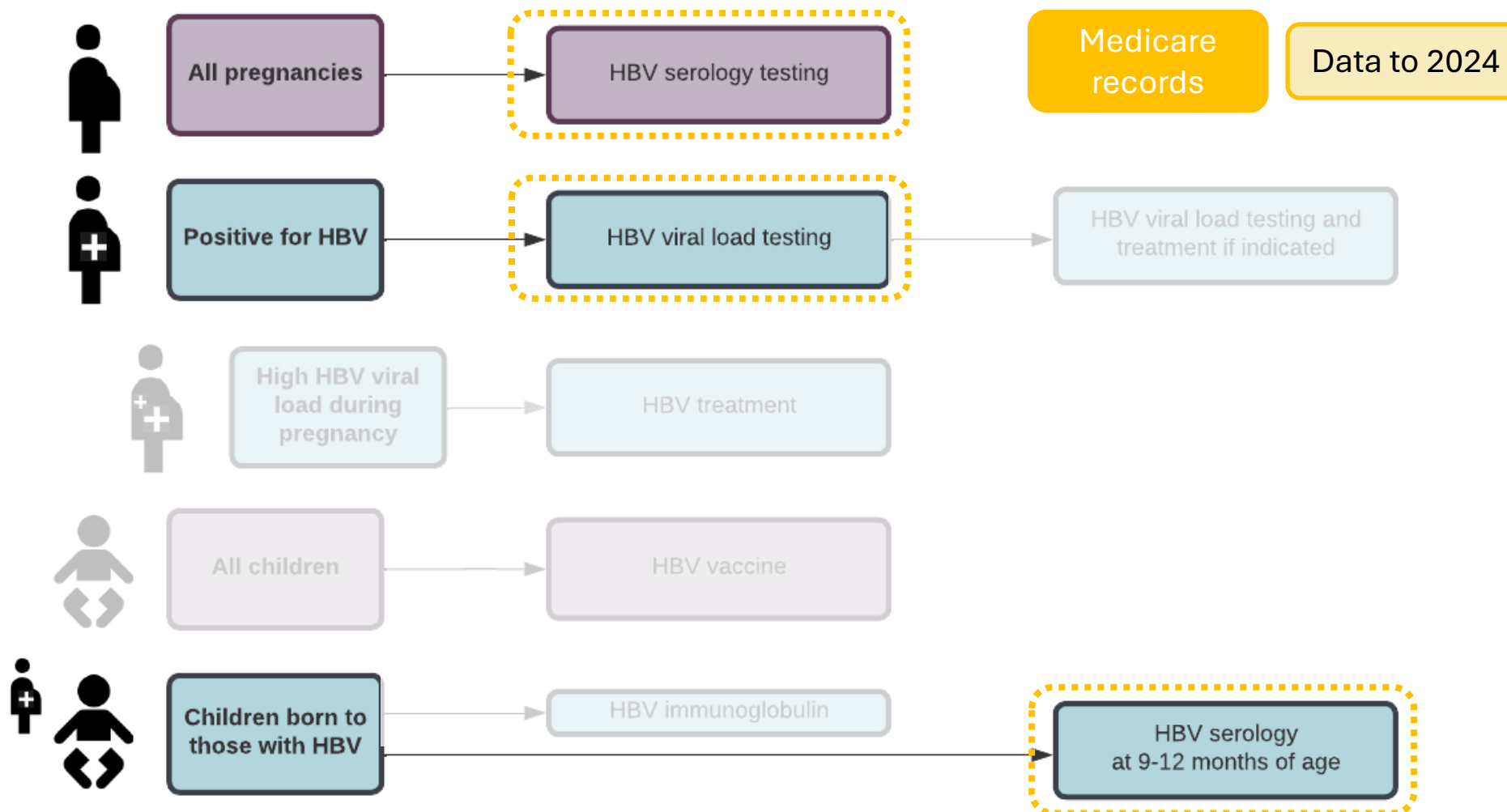


Data sourced from the ABS Person-Level Integrated Data Asset



During pregnancy/birth:

Postnatal:

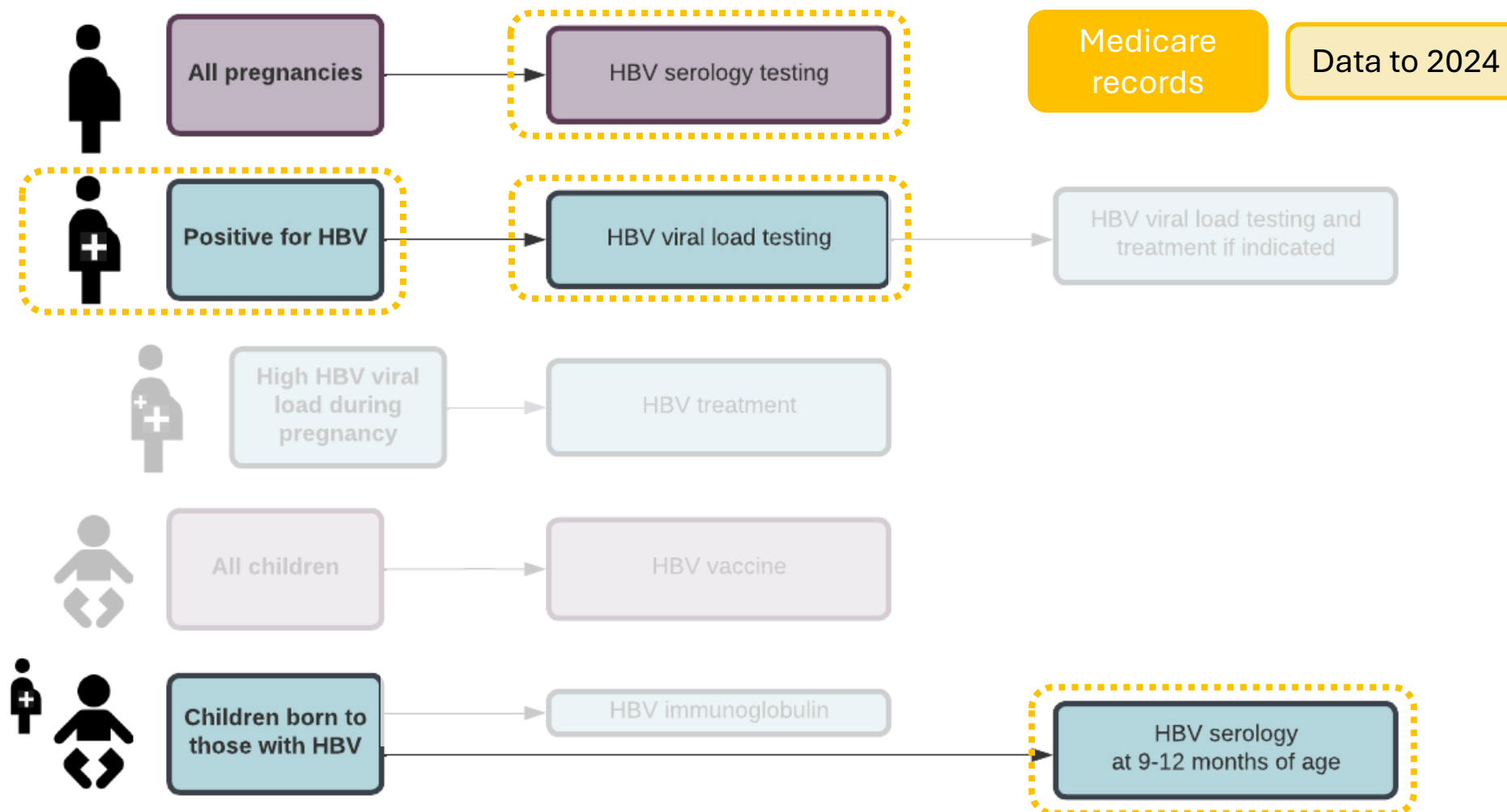


Data sourced from the ABS Person-Level Integrated Data Asset



During pregnancy/birth:

Postnatal:

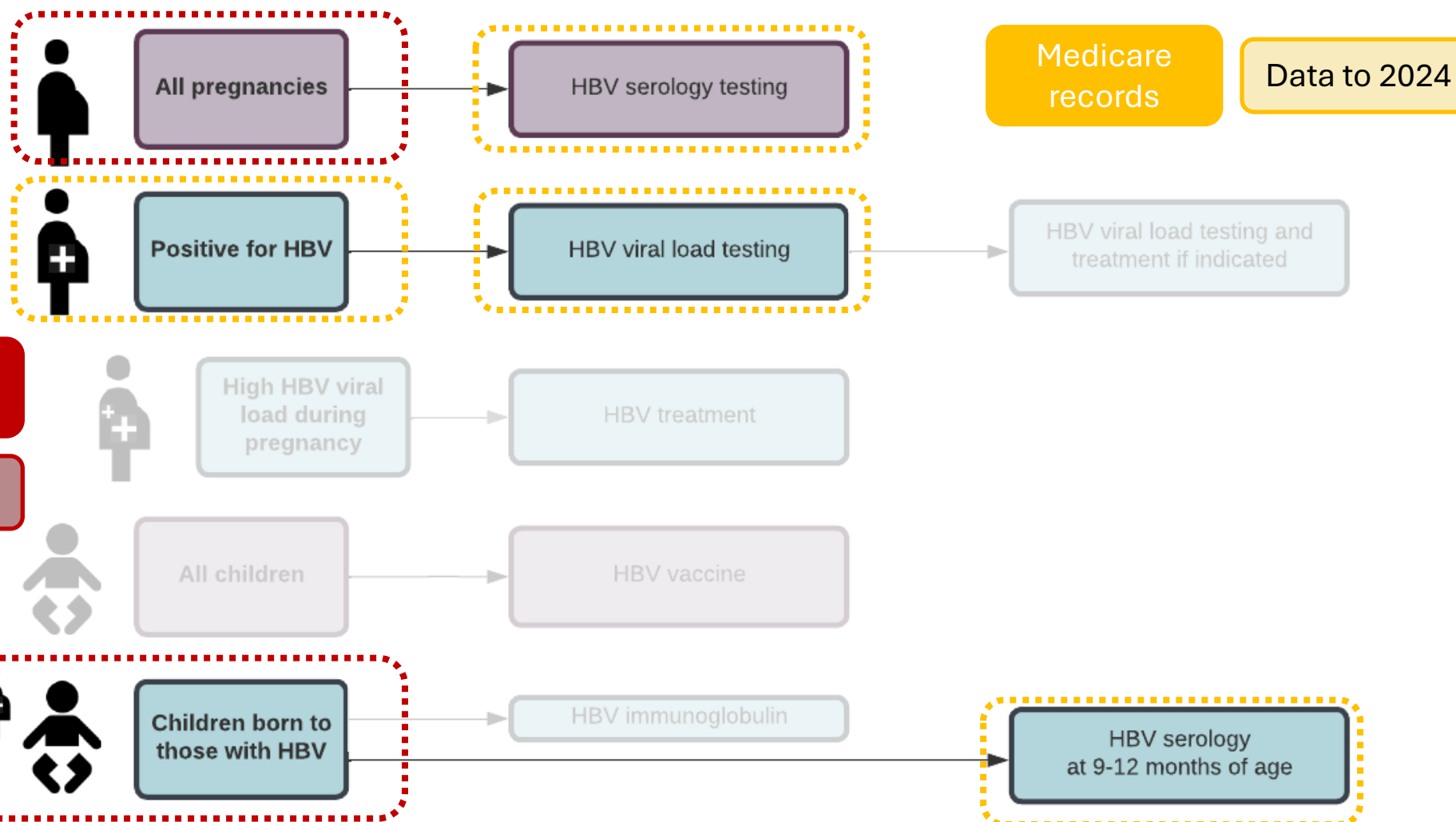


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During pregnancy/birth:

Postnatal:

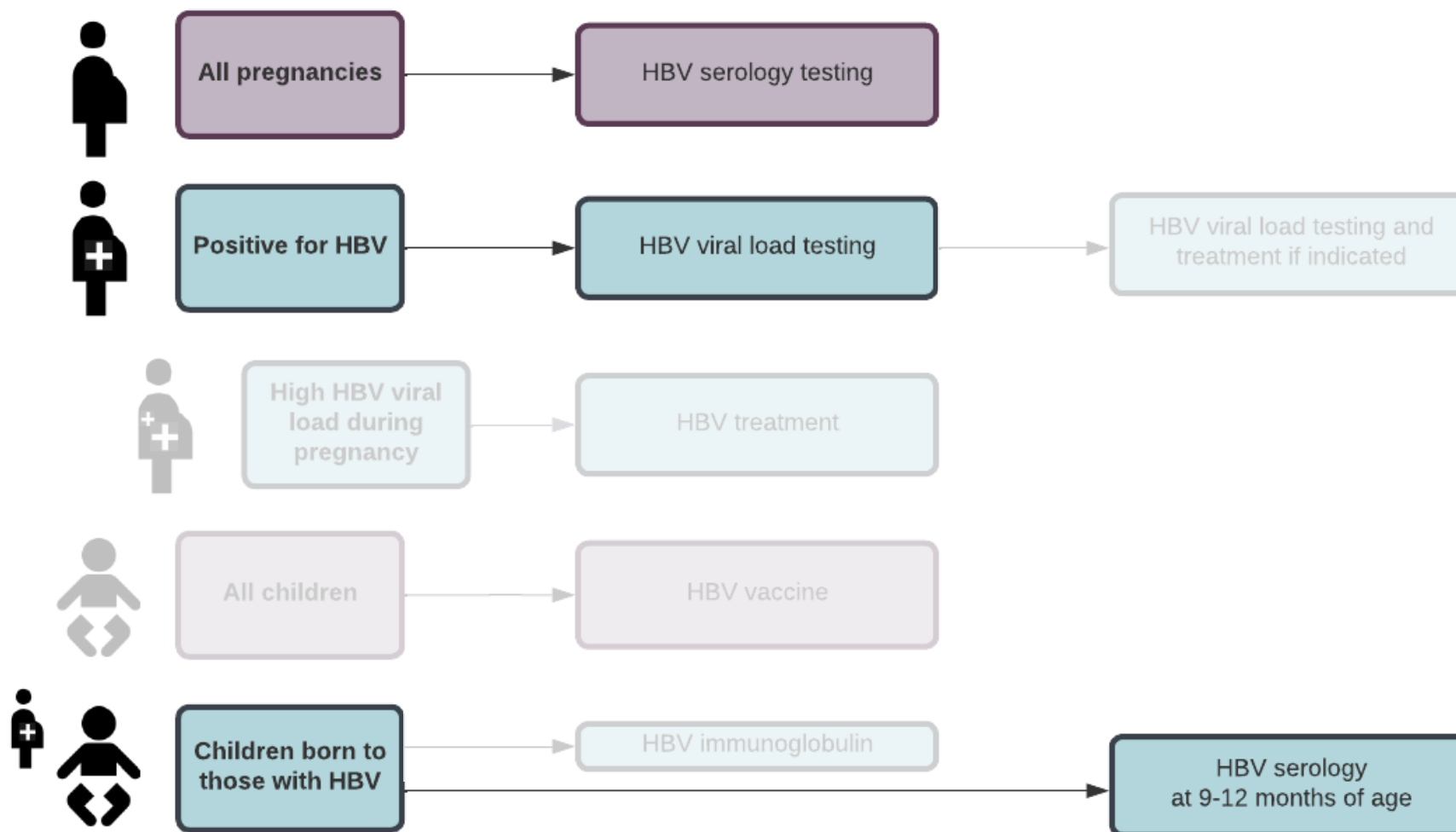


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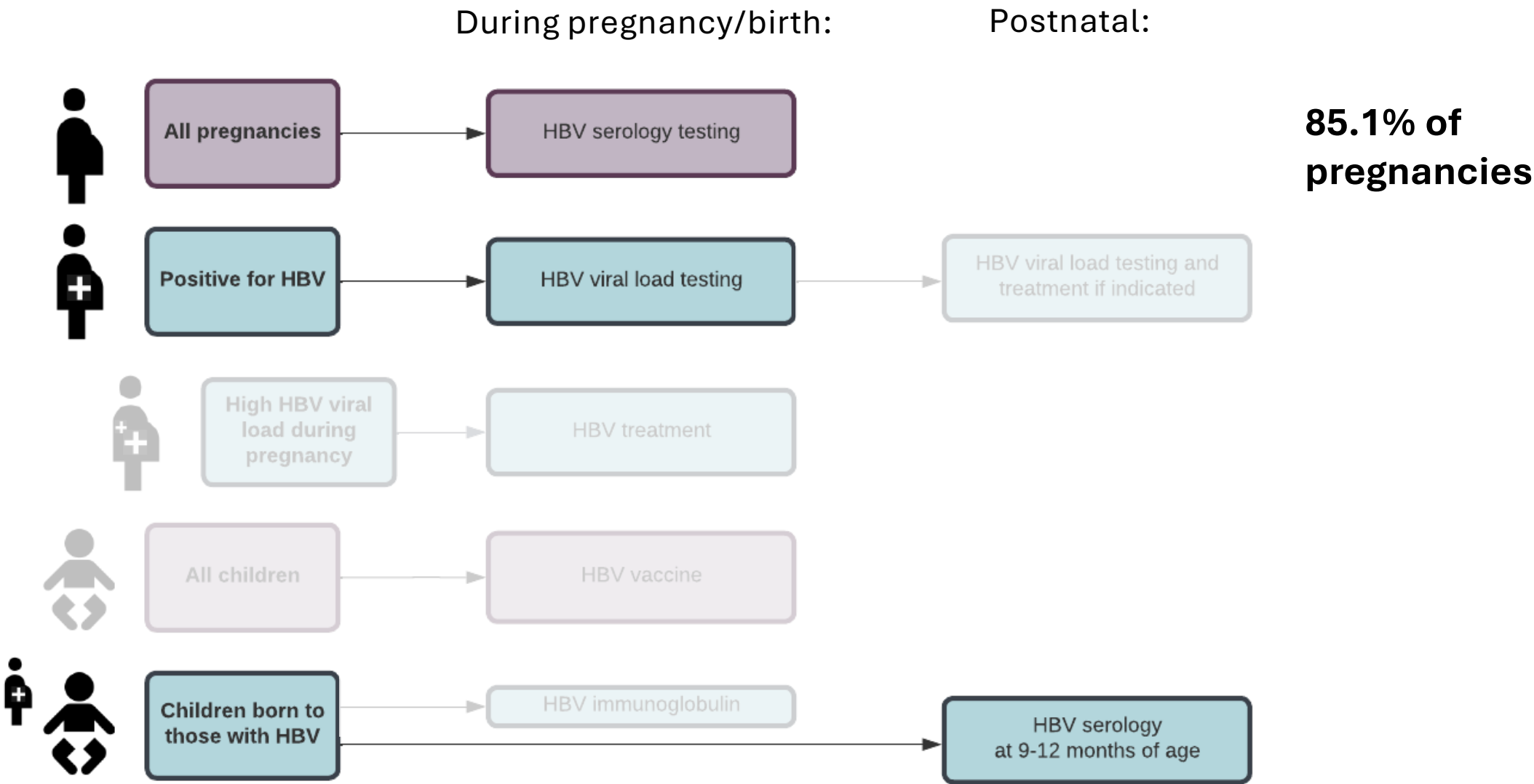


During pregnancy/birth:

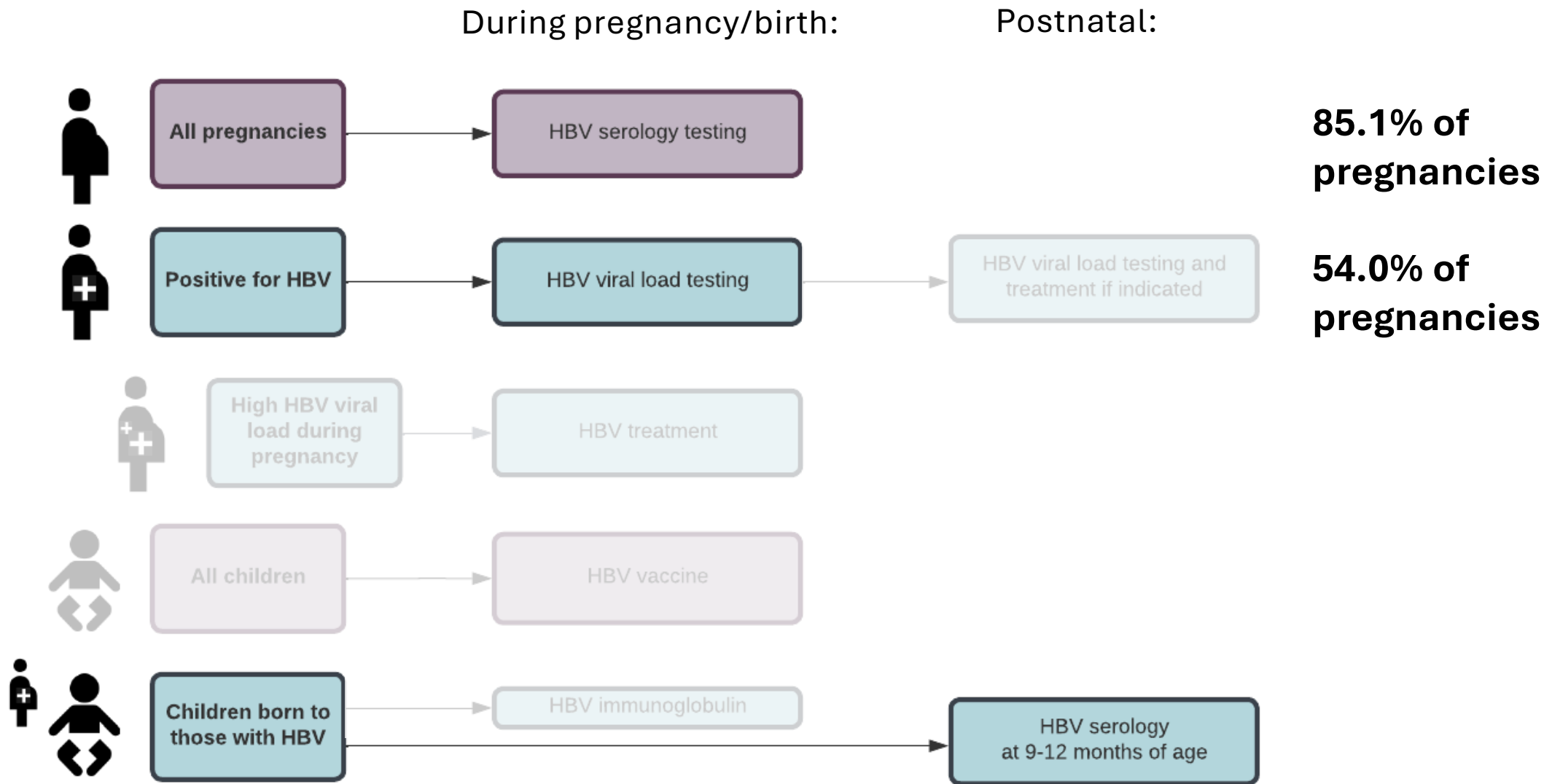
Postnatal:



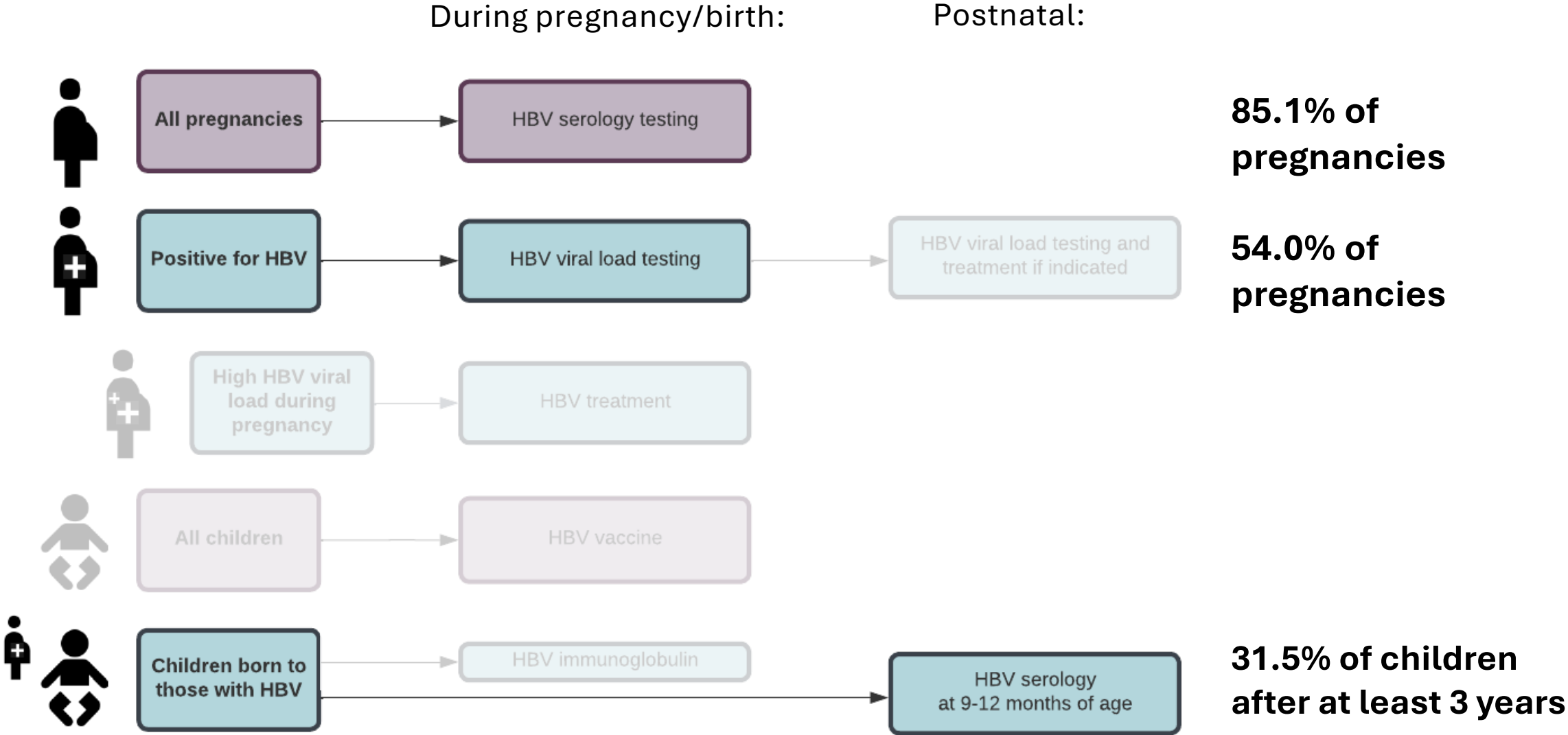
Uptake of care, most recent data available:



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Uptake of care, most recent data available:



Summary and next steps



A joint venture between The University of Melbourne and The Royal Melbourne Hospital

- Linked data can provide new insights into the prevention of mother-to-child-transmission
- Key gaps in cascade is viral load testing during pregnancy
- Data regarding cases of HBV in children are unreliable given testing rates observed
- Updating data through 2026 using family relationships asset will provide insight into recent trends
- View further data regarding the prevention of mother-to-child transmission in the National Surveillance for Hepatitis B Indicators Report:



SURVEILLANCE FOR HEPATITIS B INDICATORS

Tracking Australia's progress
towards hepatitis B elimination

NATIONAL REPORT 2024



WHO COLLABORATING CENTRE FOR VIRAL HEPATITIS, THE PETER DOHERTY INSTITUTE FOR INFECTION AND IMMUNITY



Thank you

For additional data reporting on targets for elimination of mother-to-child-transmission in Australia, see the National Surveillance for Hepatitis B Indicators Report:



To view our team's journal publications:



Disclaimer regarding the use of ABS PLIDA data



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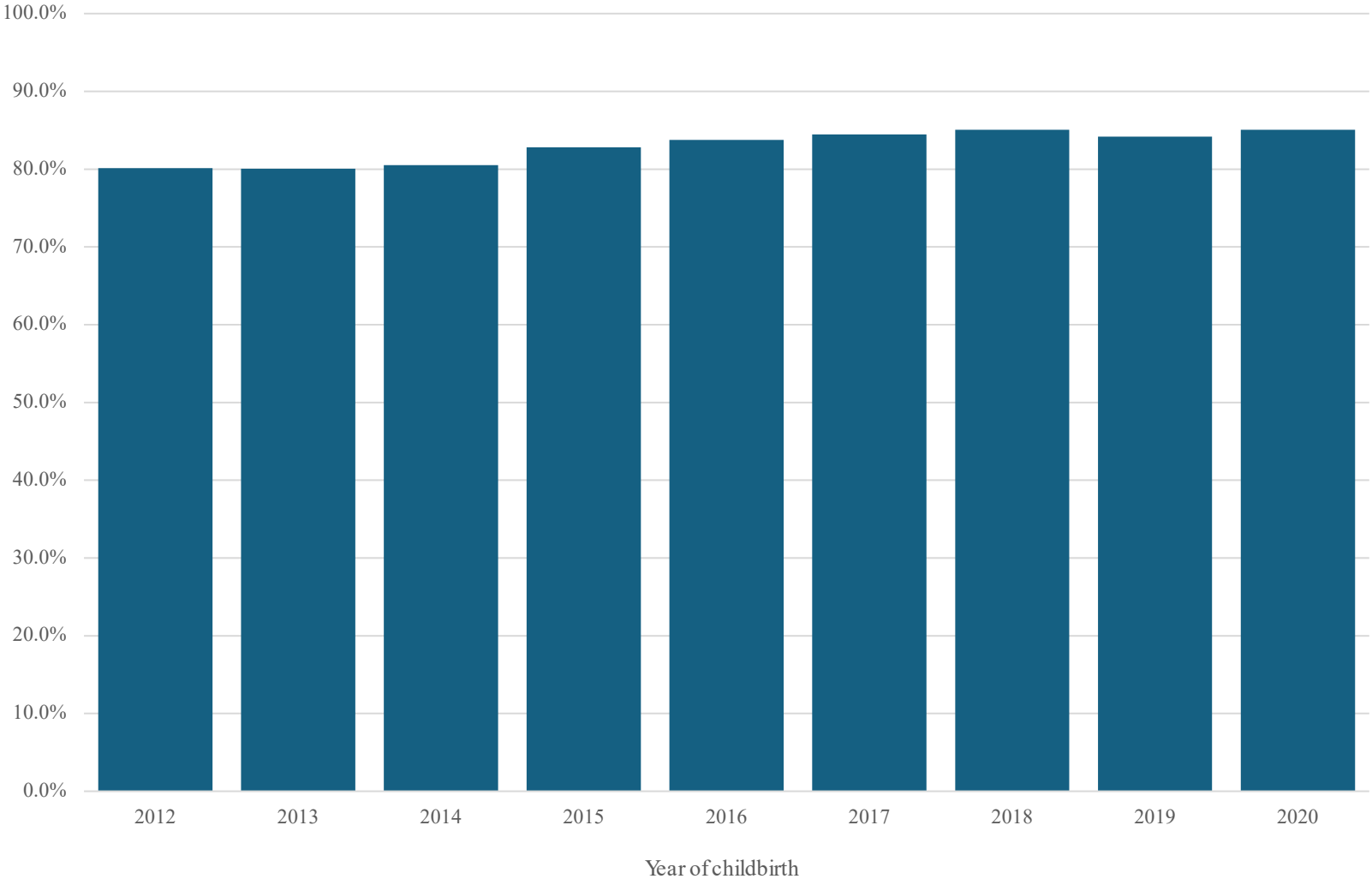
The results of these studies are based, in part, on data supplied to the ABS under the Taxation Administration Act 1953, A New Tax System (Australian Business Number) Act 1999, Australian Border Force Act 2015, Social Security (Administration) Act 1999, A New Tax System (Family Assistance) (Administration) Act 1999, Paid Parental Leave Act 2010 and/or the Student Assistance Act 1973. Such data may only be used for the purpose of administering the Census and Statistics Act 1905 or performance of functions of the ABS as set out in section 6 of the Australian Bureau of Statistics Act 1975. No individual information collected under the Census and Statistics Act 1905 is provided back to custodians for administrative or regulatory purposes. Any discussion of data limitations or weaknesses is in the context of using the data for statistical purposes and is not related to the ability of the data to support the Australian Taxation Office, Australian Business Register, Department of Social Services and/or Department of Home Affairs' core operational requirements.

Legislative requirements to ensure privacy and secrecy of these data have been followed. For access to PLIDA and/or BLADE data under Section 16A of the ABS Act 1975 or enabled by section 15 of the Census and Statistics (Information Release and Access) Determination 2018, source data are de-identified and so data about specific individuals has not been viewed in conducting this analysis. In accordance with the Census and Statistics Act 1905, results have been treated where necessary to ensure that they are not likely to enable identification of a particular person or organisation.

Supplementary slides



Hepatitis serology testing uptake during pregnancy



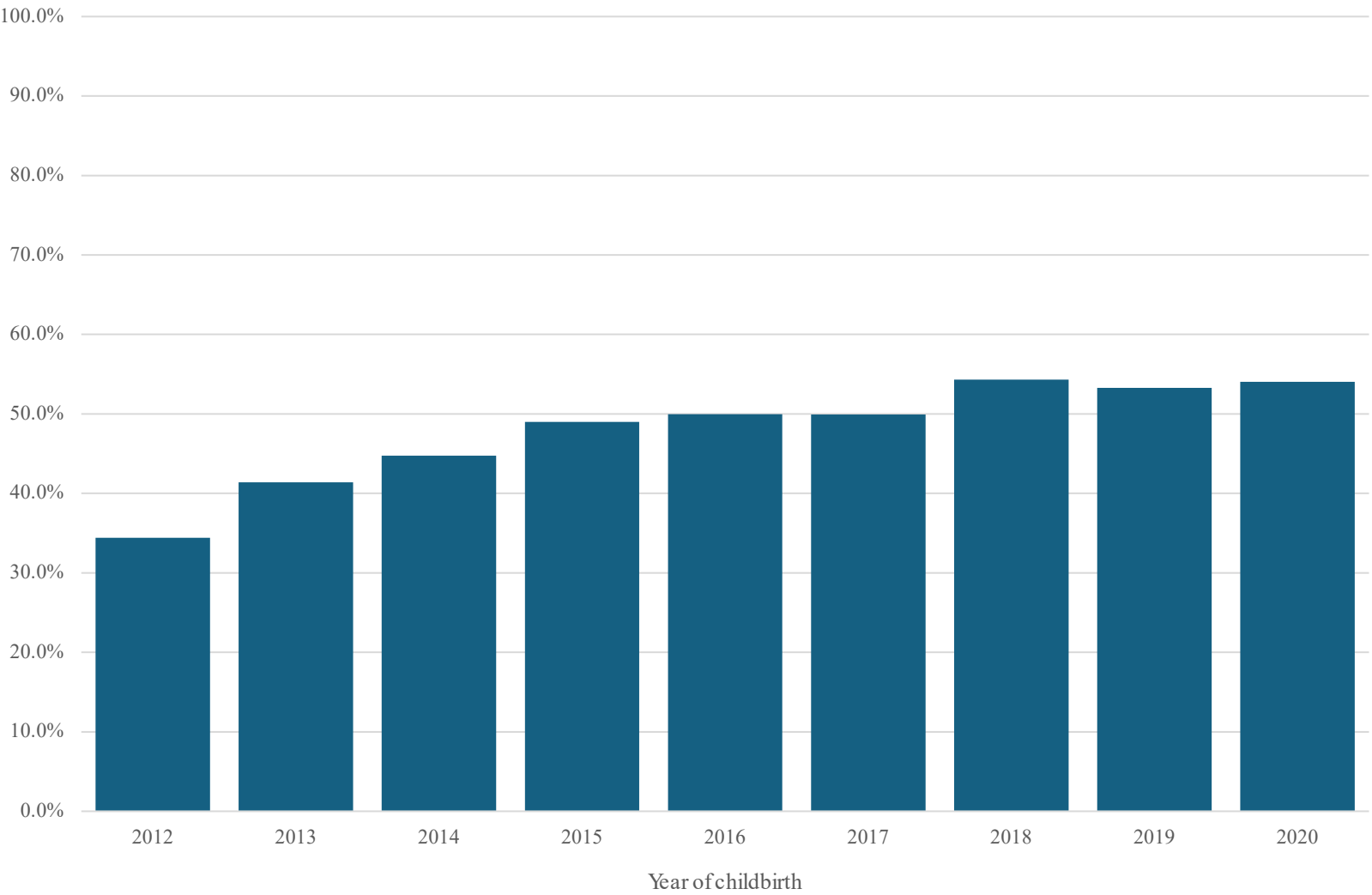
A joint venture between The University of Melbourne and The Royal Melbourne Hospital

Data source: Person Level Integrated Data Asset (PLIDA), incorporating Census of Population and Housing, core demographics, Medicare Benefits Schedule, Pharmaceutical Benefits Scheme, and physically present status. Accessed via ABS DataLab. Findings based on use of PLIDA data.

Supplementary slides



Hepatitis B viral load testing uptake during pregnancy



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