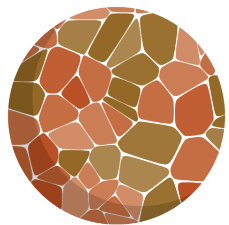


Closing the hepatitis B treatment gap

A longitudinal analysis of C4 sub-genotype infection from the
Hep B PAST program



vh2024

Dr Genevieve E Martin

Senior Research Fellow & Infectious Diseases Registrar, Viral Hepatitis Program

Menzies School of Health Research

No conflicts of interest to declare

Background & Methods

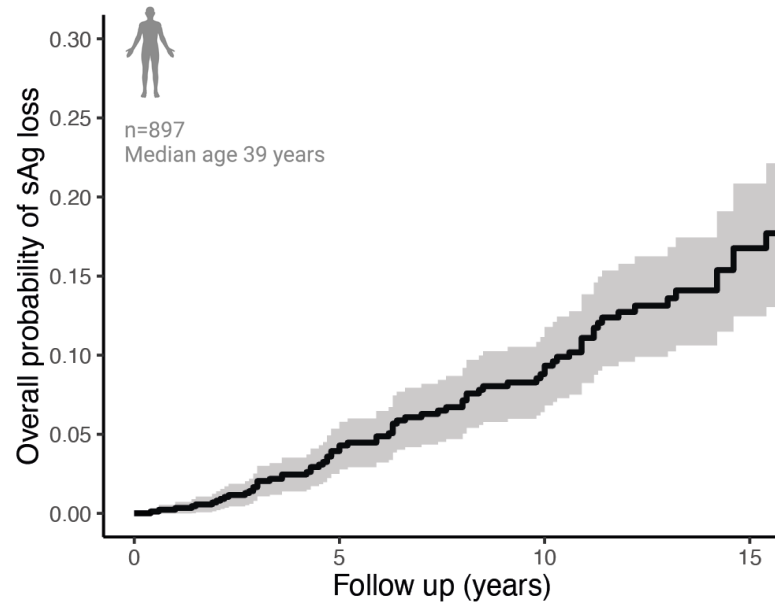


1. Identification of individuals living with sub-genotype C4 chronic hepatitis B (through Hep B PAST)

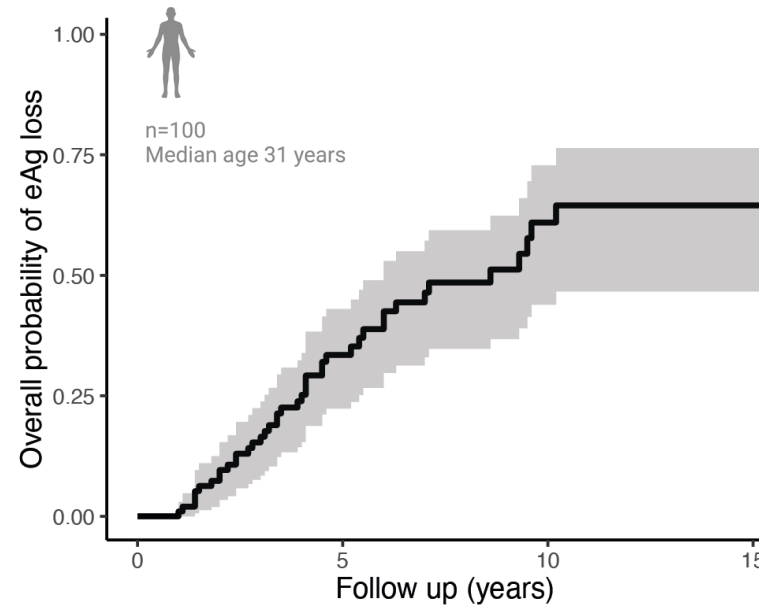
2. Collection of clinical and laboratory information (prospective and retrospective)

Antigen loss: similar to other genotypes

Hepatitis B surface antigen (HBsAg)



Hepatitis B e-antigen (HBeAg)



HBsAg+ after 10 years



HBeAg+ after 10 years



Antiviral therapy: progress & indications

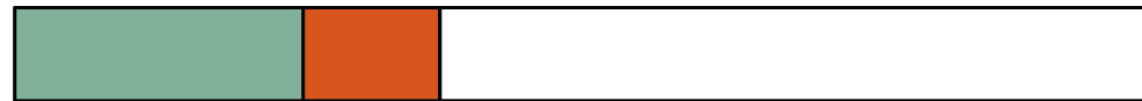
- 40% female
- Median age 48 years
- 16% known cirrhosis



n=783



Current Australian
guidelines
(GESA 2022¹)



2024 WHO
guidelines²
(limited application)



2024 WHO
guidelines²
(considering
diabetes³)



On treatment



Treatment eligible



Not treatment eligible
(or insufficient data)

1. Lubel JS et al., Med J Aust 216, 478-486 (2022)

2. "Guidelines for the prevention, diagnosis, care and treatment for people with chronic hepatitis B infection," (World Health Organisation, Geneva, 2024)

3. Hare MJL et al., BMJ Open 12, e059716 (2022).

Acknowledgments

Hep B PAST Partner Organisations



Marthakal Homelands Health Service



Associate Partner Organisations



Hep B PAST Partnership Investigators and Contributors

Jane Davies

Sarah Mariyalawuy Bukulatjpi
Christine Connors
Joshua Davis
Robert Batey
Benjamin Cowie
Steven Tong
Anna Ralph
Adrian Miller
Kelly Hosking
George Garambaka Gurruwiwi
Roslyn Dhurrkay
Belinda Greenwood-Smith
Catherine Marshall
Geoffrey Stewart
Nicole Allard
Manoji Gunthilake

Vicki Krause
Ashleigh Qama
Karen Fuller
Jessica Michaels
Lou Sanderson
Phillip Merrdi Wilson
Genevieve Dally
Kerrie Jordan
John Boffa
Alexis Apostolellis
Amanda Dhagapan
Anna Deng
Anngie Everitt
Barbara De Graaff
Brianna Summers
Carrie Fowler
Catherine Blacker
Catherine Gargan

Catherine Stoddart
Charles Pain
Cheryl Ross
David Boettiger
David McGuinness
David Reeve
Diane Hampton
Eddie Mulholland
Ella Meumann
Elizabeth Coombes
Emily Vintour-Cesar
Emma Childs
Hayden Jose
Hilary Bloomfield
Hugh Heggie
Isabelle Purcell
Jaclyn Tate-Baker
Jayne Porter

Jyoti Jadeja
Katherine McNamara
Katie McGuire
Keith Forrest
Kelly Banz
Kelly-Anne Stuart-Carter
Khim Tan
Leanne O'Connor
Lesley Scott
Letisha Murray
Levinia Crooks
Linda Bunn
Lorraine Johns
Lucie Perrisel
Marco Briceno
Margaret Littlejohn
Maria Scarlett
Marilou Capati

Matthew Maddison
Melita McKinnon
Mikaela Mobsby
Molly Shorthouse
Natasha Tatipata
Nicole Romero
Paula Binks
Penny Ramsey
Peter Nihill
Peter Markey
Phoebe Schroder
Prashanti Manchikanti
Rebecca Katiforis
Robyn Liddle
Rosalind Webby
Richard Sullivan
Sami Stewart
Sandra Nelson

Sean Heffernan
Sean Taylor
Shiraline Wurrawilya
Sinon Cooney
Sonja Hill
Stephen Locarnini
Steven Skov
Su Govindasamy
Sudharsan Venkatesan
Tammy-Allyn Fernandes
Tanya Plavins
Teresa De Santis
Terese Ngurruwuthun
Tiana Alley
Timothy Nabegeyo
Vanessa Towell
Wendy Page