



Real World Efficacy of Antiviral Therapy in Chronic Hepatitis C in New Zealand

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Objective

- NZ has the largest 'Real World' experience of VIEKIRA PAK, with 30% all patients treated in community
- REACH-C database will review patterns of prescription, uptake and outcomes.
 - Inform HCV-infected community and GPs on the safety and efficacy of short duration DAAs.
 - Inform PHARMAC on rate of treatment failure to determine need for retreatment regimen.
 - Pave the way for future pan-genotypic DAAs in primary and secondary care.

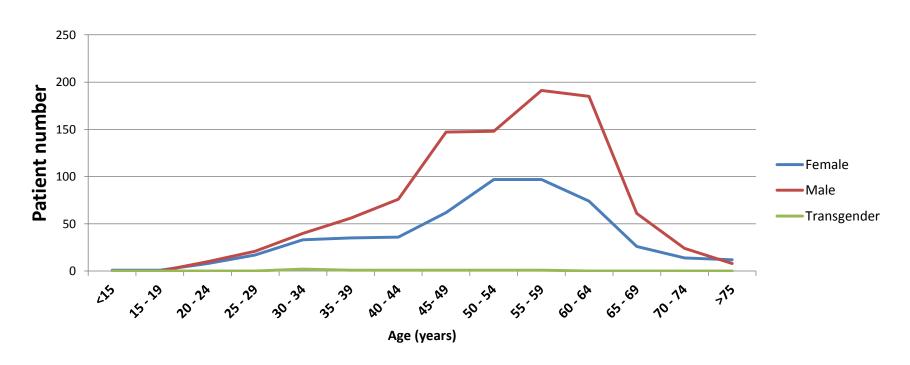
Method

- Prescription data provided by PHARMAC (July 2016 – June 2018) on 3000 patients who have received VIEKIRA PAK.
- Baseline and outcome data obtained from DHBs,
 GP practices, community and reference labs.
- Impact of baseline predictors on treatment uptake and SVR.
 - Demographics
 - HCV genotype 1 subtype
 - Cirrhosis status
 - Previous treatment

Method

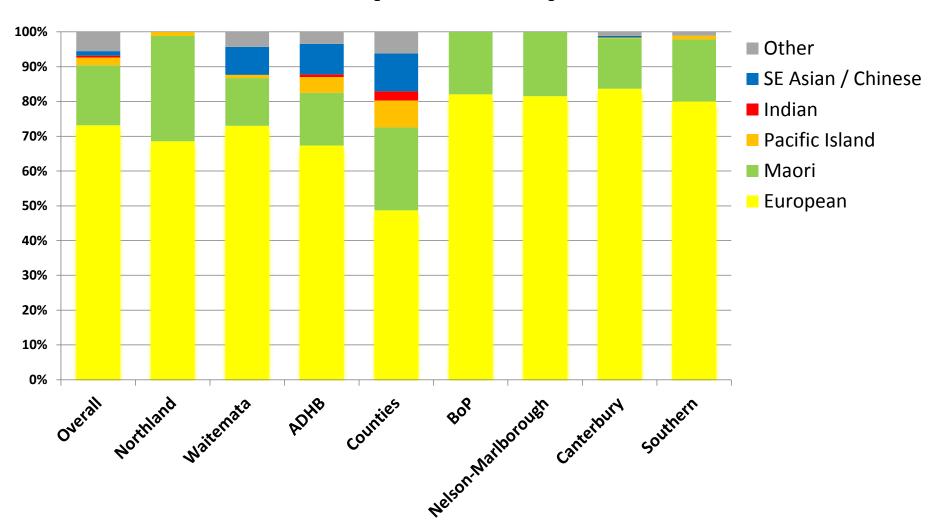
- This is interim analysis of data obtained from 1487 patients treated in 9 DHBs
 - Auckland, Bay of Plenty, Canterbury, Counties-Manukau, Nelson-Marlborough, Northland, Southern, Waikato and Waitemata DHBs.

Age, Gender Distribution n = 1487



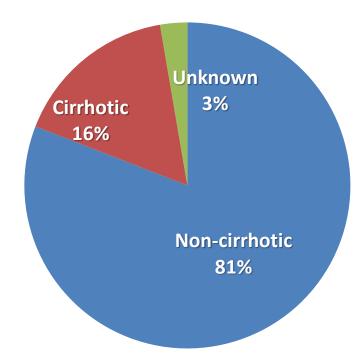
- Median Age M: 55-59 years, F: 50-54 years
- Male gender 65%

Ethnicity (n=1487)

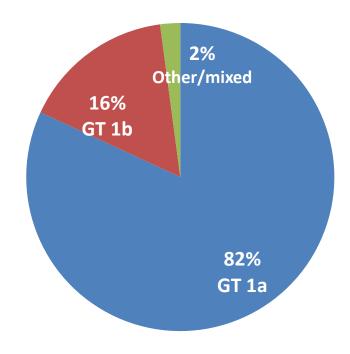


Cirrhosis status

- Determination of cirrhosis
 - Elastography: LSM >12.5 Kpa
 - APRI score: >1.0
 - Imaging
 - Other

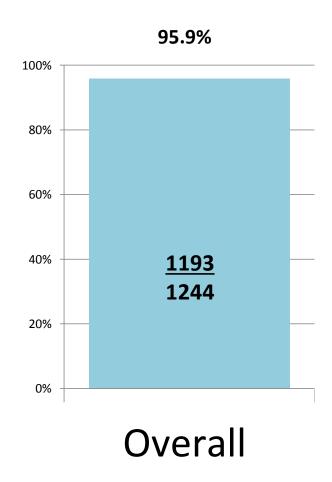


HCV Genotype subtype

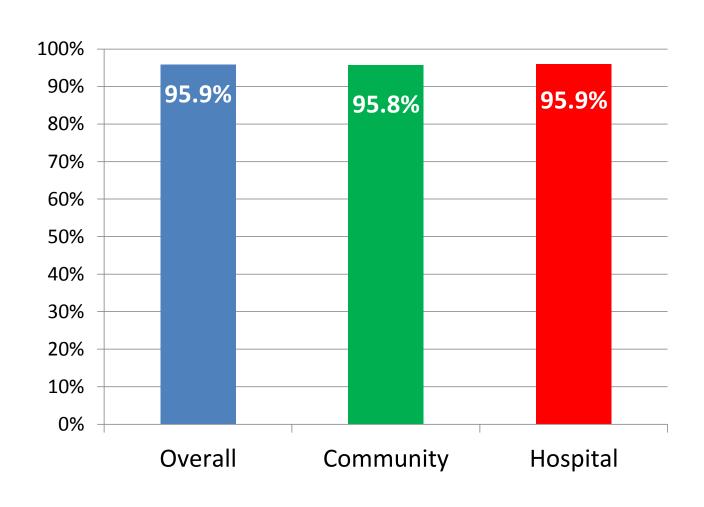


Sustained Virological Response

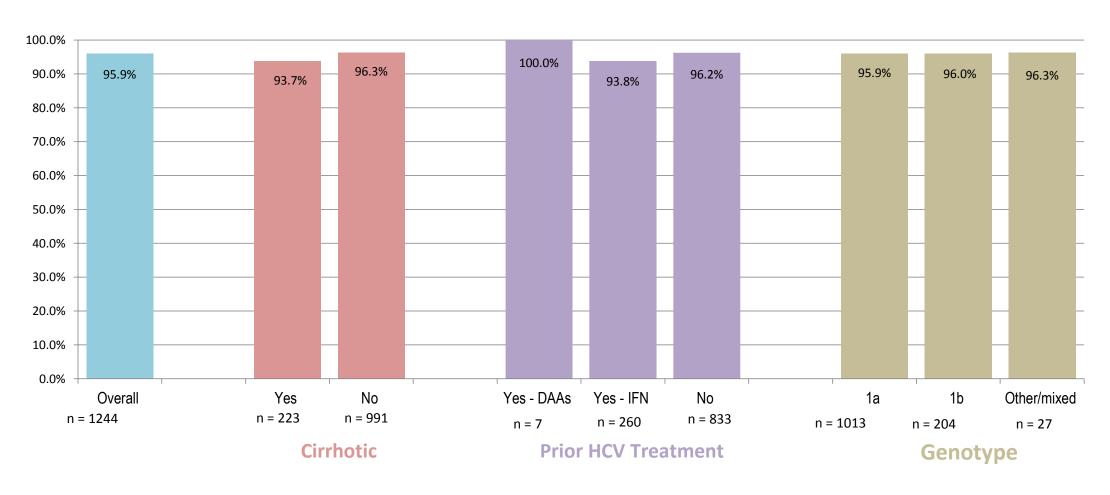
- To date SVR data obtained for 1244 patients
 - At least 12 weeks post-Tx
 - 122 lost to follow-up
 - 131 pending SVR12
- 440 treated in community: 30%



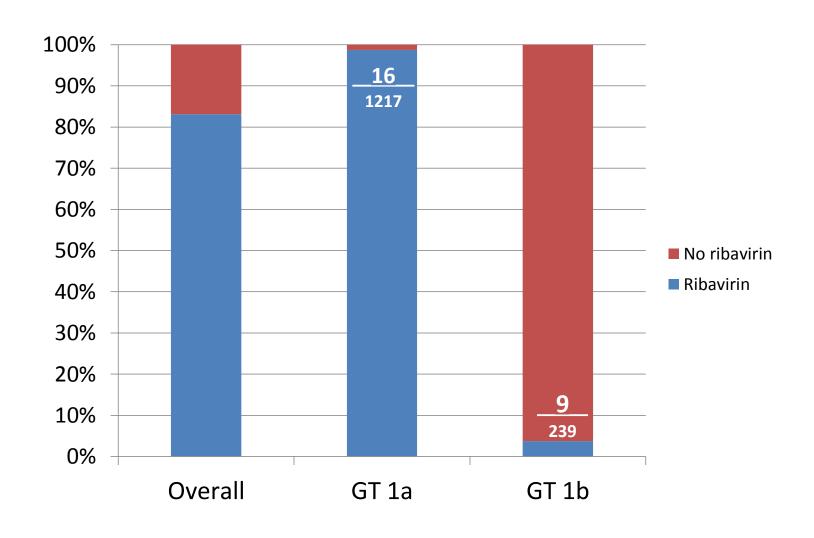
Predictors of SVR



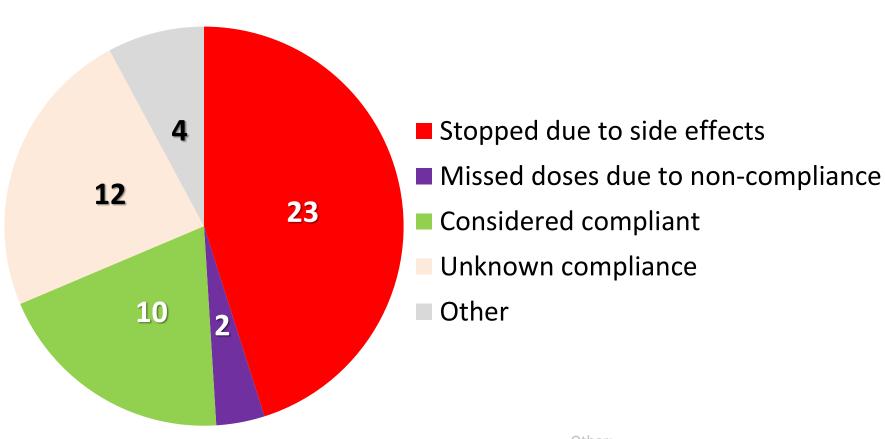
Predictors of SVR



Ribavirin Use



Treatment Failures (n=51)

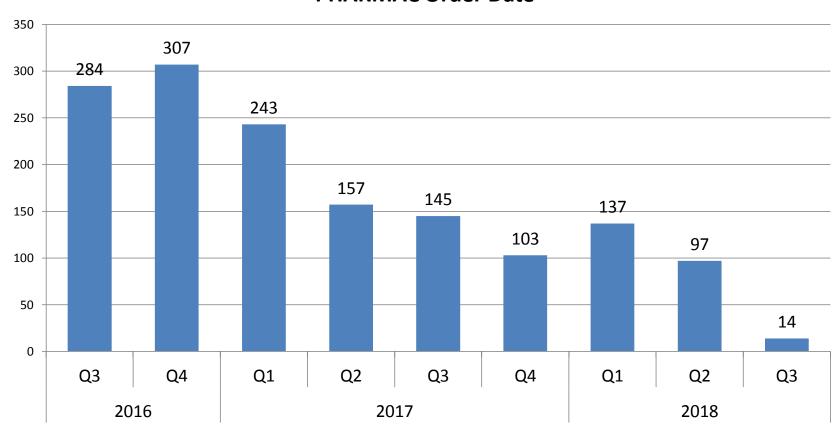


Other:

Decompensation = 2/4 Acute surgical intervention = 1/4 Incarceration = 1/4

Trend in Treatment Uptake (July 2016 – June 2018)

PHARMAC Order Date



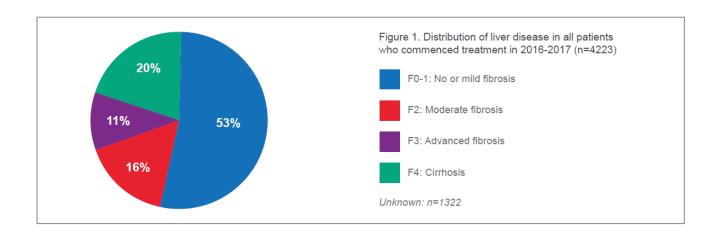


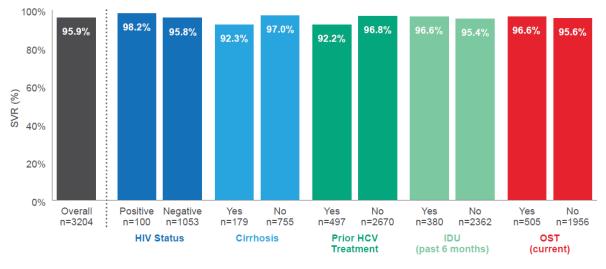
Is this what was expected?





Reach-C Australia





The Kirby Institute. Real world efficacy of antiviral therapy in chronic hepatitis C in Australia (Issue 2). The Kirby Institute, UNSW Sydney, Sydney, NSW, Australia, July 2018 (available online at: https://kirby.unsw.edu.au).

Summary

- Over last 2 years, >3000 New Zealanders treated with VIEKIRA PAK including 30% in community
- SVR rates >96% in both community and hospital
- Rate of cirrhosis (16%) was higher than expected 10%¹
 - Prioritisation of cirrhotics for treatment or
 - Previously underestimated prevalence
- Treatment uptake declined by 75% over past 2 years
 - Need improved diagnosis rates
 - Need simpler and pan-genotypic treatment

Way forward

- Roll out REACH-C to remaining 11 DHBs
- Include all genotypes when MAVIRET is funded
- Collect resistance data from treatment failures
 - Convince PHARMAC to fund retreatment options

Acknowledgements

- Greg Dore & Pip Marks at Kirby Institute, UNSW
- Bridget Faire (ADHB), Nicola Caine & Lauren Mabbutt (BoP DHB), Judith McLaughlin & Jenny Bourke (Canterbury DHB), Lucy Mills (CMDHB), Trish Healy, Angela Taylor, Belinda Heaphy (Nelson-Marlborough DHB), Sandra Meyst (Northland DHB), Margaret Fraser (Southern DHB), Anne Currie (Waikato DHB) Christine Hayes (Waitemata DHB) Gizelle Lopez (Capital-Coast DHB), Chris Bowden (Taranaki DHB)
- PHARMAC for provision of prescription data
- AbbVie for unrestricted grant







