

# Hanging Ten for Liver Health

**The Hepatitis Foundation of New Zealand**

[www.hepatitisfoundation.org.nz](http://www.hepatitisfoundation.org.nz) | 0800 33 20 10



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# The Hepatitis Foundation of New Zealand

A registered charitable trust whose mission statement is:

**“To improve health outcomes for people living with hepatitis B and C in New Zealand”**

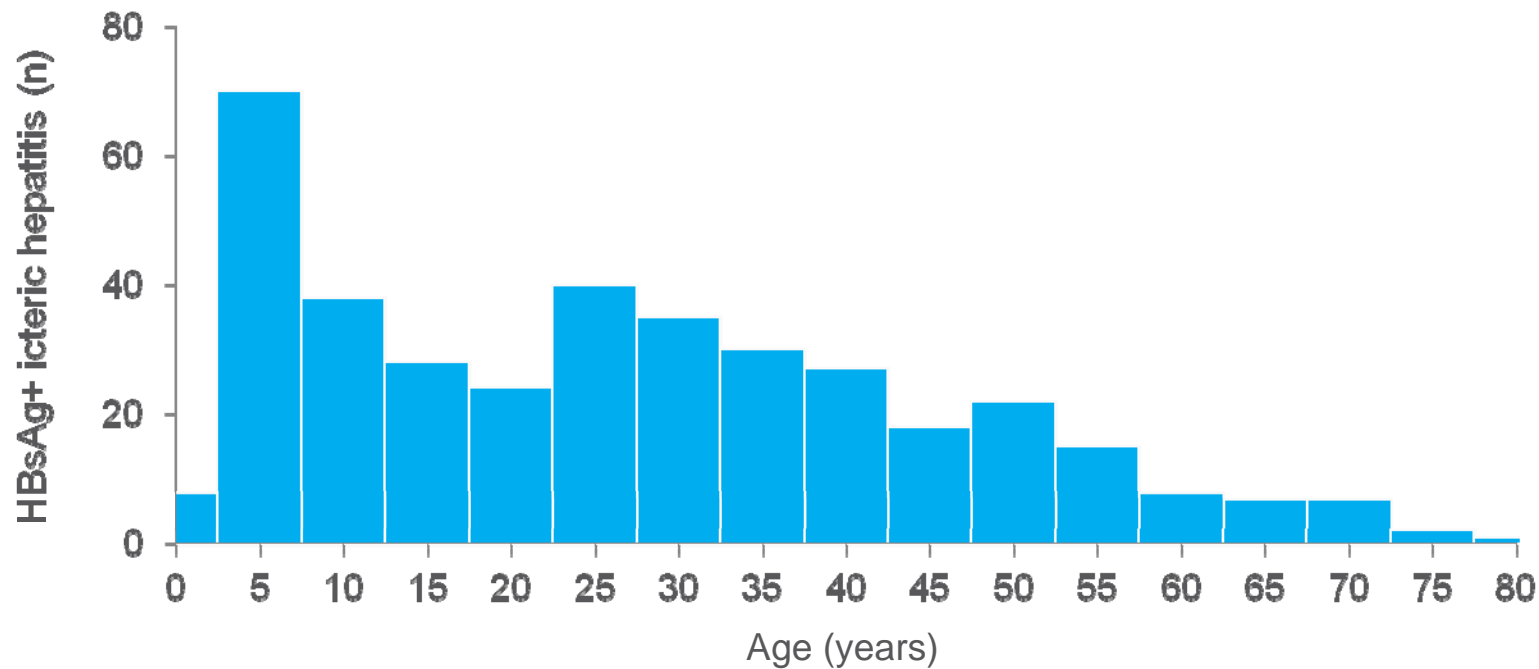
Over 30 years experience in delivering community based services in a shared care environment - facilitation, assessment, follow-up, education and support

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# 1976: Identification of endemic HBV

Notified cases of acute HBV in Whakatane (population 35,000), NZ, from 1976 to 1978



Milne A et al. *NZ Med J* 1980; 92: 87-91

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# 30+ year History of Community Based Services

1983 – NZ government agrees to vaccinate at risk adults

1984 – Kawerau Study

1985 – Hepatitis Foundation initiates and funds own mass childhood vaccination programme

1986-87/88 – MOH vaccination programmes rolled out  
new born, infants, 12yr olds

1999 – 2002 – National Screening Programme – 566,000 at risk – 188,000 screened

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# Common forms of transmission



1984

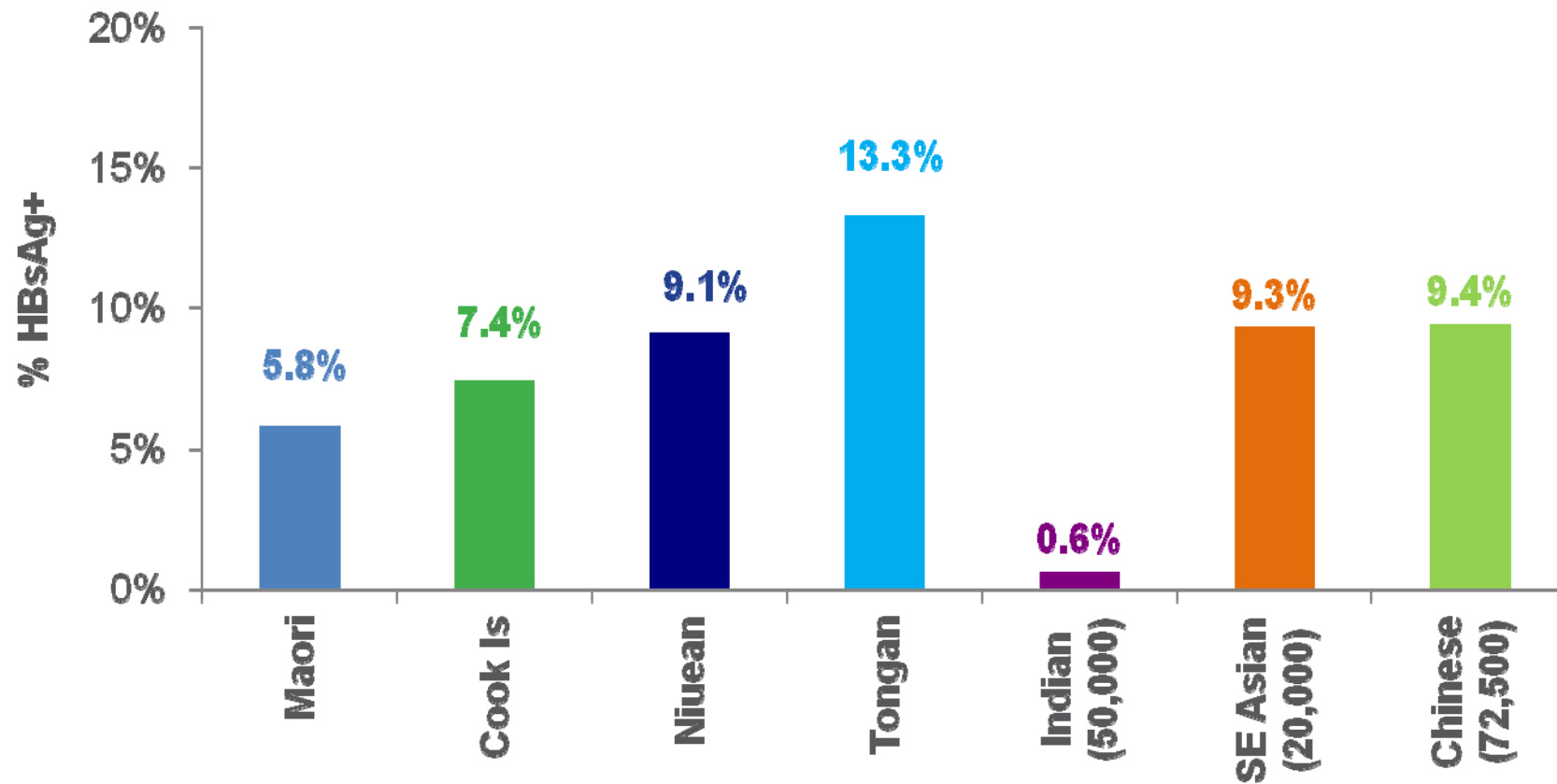


2015

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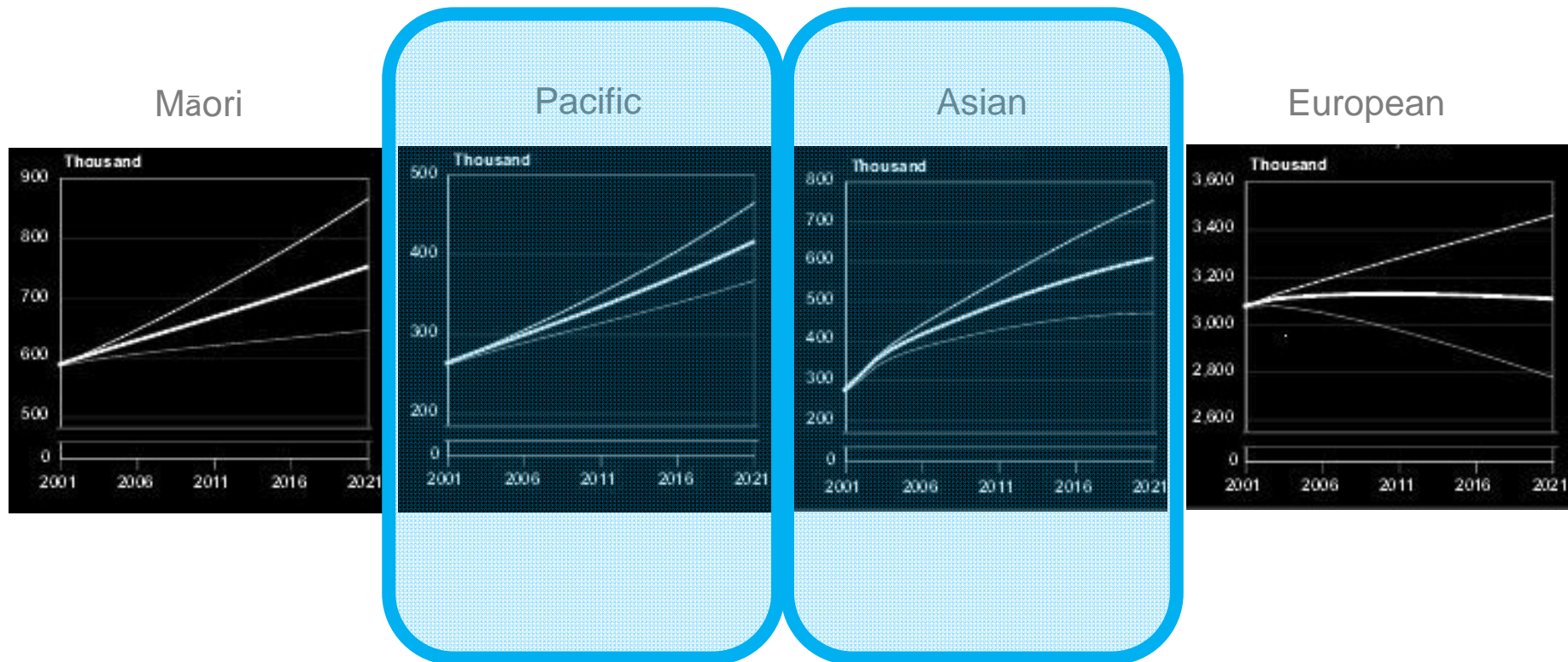
# Ethnicity



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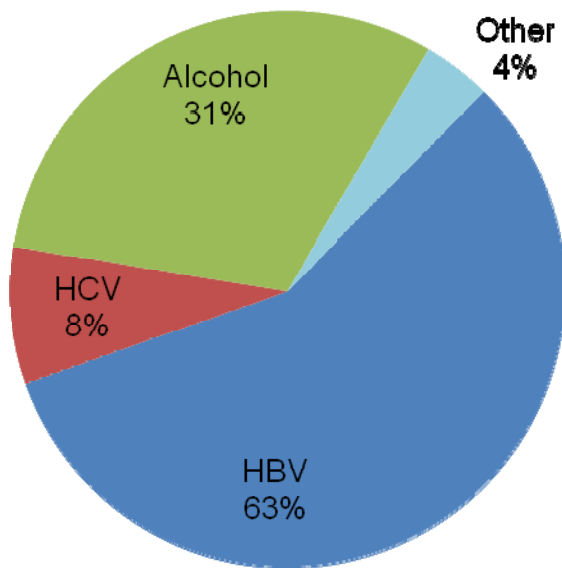
# Projected ethnic populations 2001-2021





# Impact of endemic HBV infection in NZ

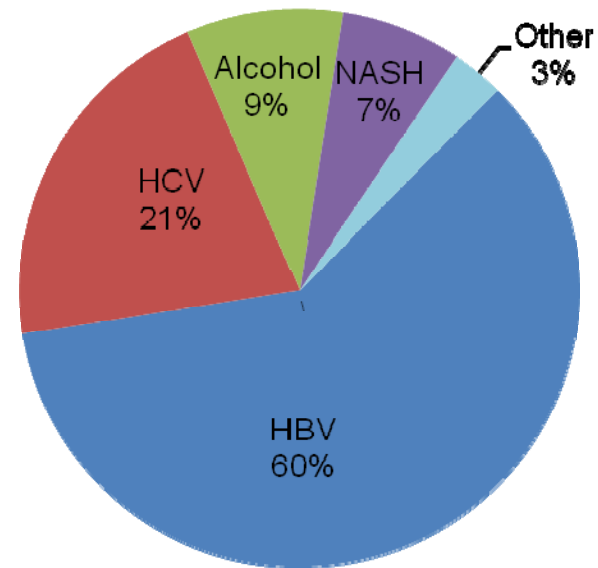
Liver mortality



200 cases per annum

Weir, R, et al. *J Gastro Hepatol* 2002;17: 582–588

Hepatoma Clinic



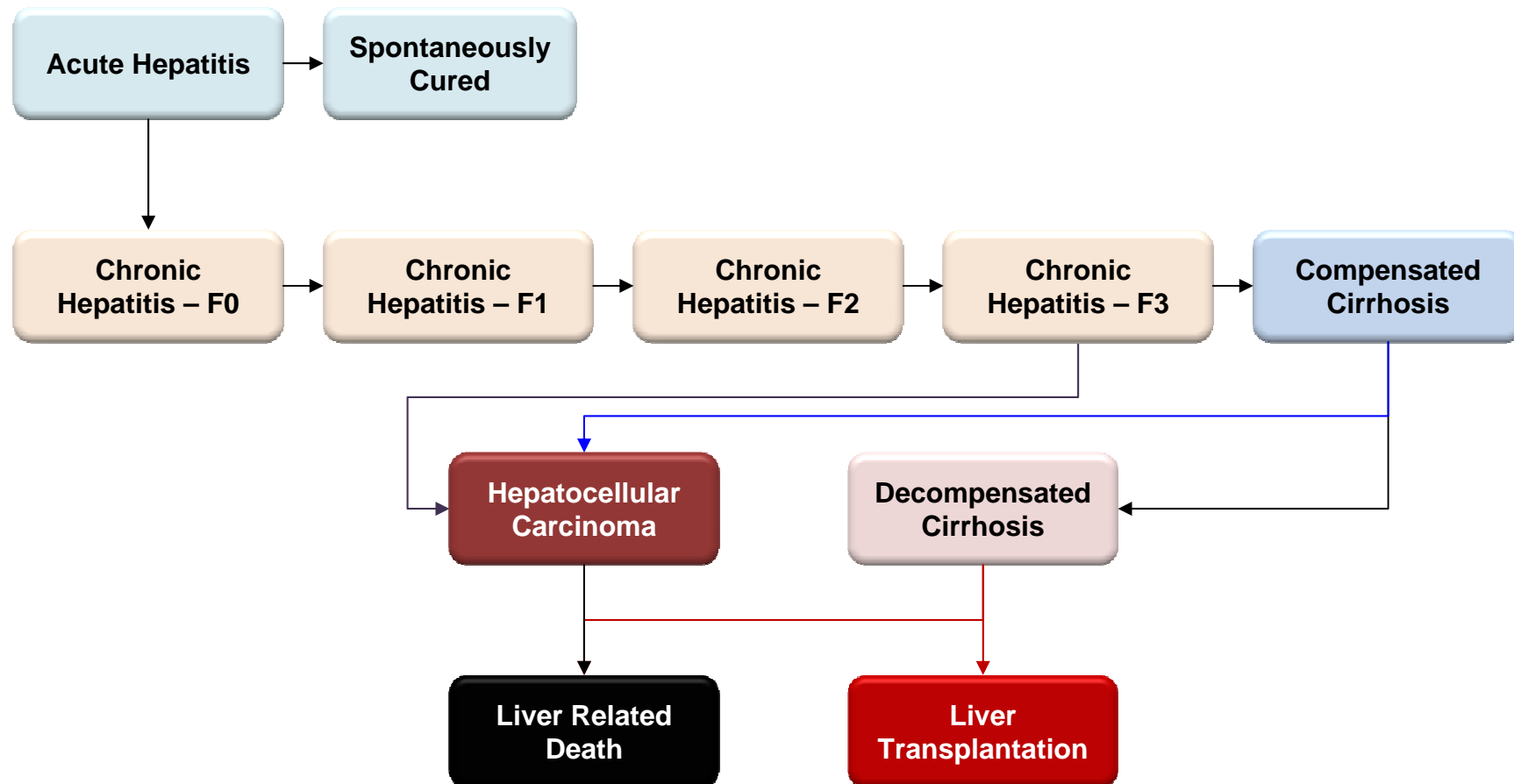
120 cases per annum

Fung J, et al. *Hepatology* 2005; 42:258A

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# The HCV disease burden model



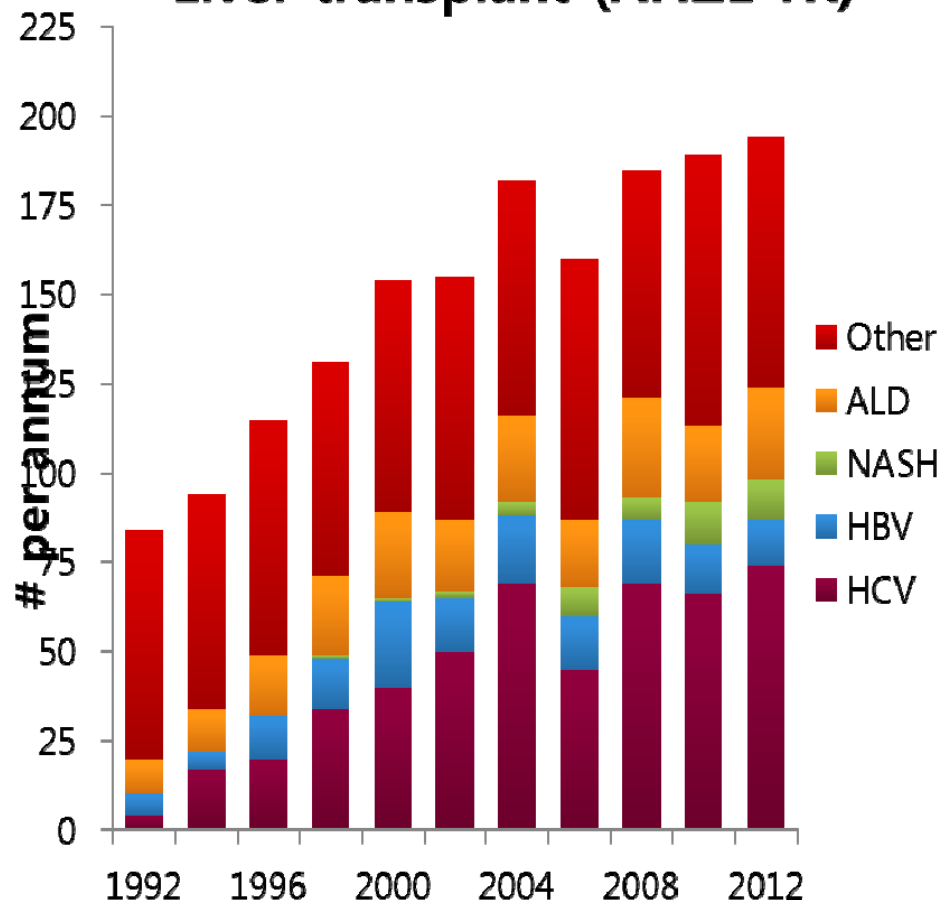
Razavi H, Waked I, Sarrazin C, et al. The present and future disease burden of hepatitis C virus (HCV) infection with today's treatment paradigm. J Viral Hepat 2014; 21 Suppl 1: 34-59.

# Health burden from hepatitis C is increasing as the infected population gets older

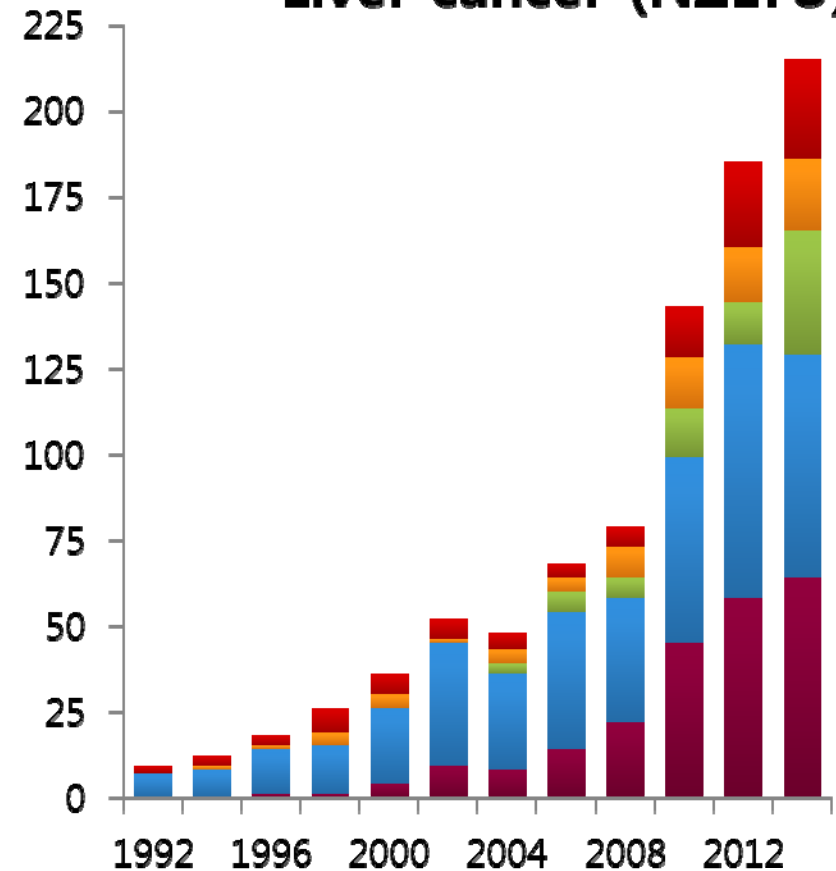


ANZLTR DATA TO 31/12/2012  
SECTION 2 : Primary Diagnosis

## Liver transplant (ANZL TR)



## Liver cancer (NZLTU)



23<sup>rd</sup> Australian and New Zealand Liver Transplant Registry. Available at [http://www.sswahs.nsw.gov.au/gastro/livertransplant/RPAH2011/ANZLTR%2023rd\\_REPORT-%2031.12.11.pdf](http://www.sswahs.nsw.gov.au/gastro/livertransplant/RPAH2011/ANZLTR%2023rd_REPORT-%2031.12.11.pdf). Accessed November 2014.

# Chronic Hepatitis in New Zealand

- 150,000 chronic infection
- Only acute HBV/HCV is notifiable
- Immigration from high prevalence countries
- Ageing population
- 400 deaths per year > 1000 deaths by 2030
- Hepatocellular Carcinoma – 5<sup>th</sup> most common cancer in the world
- Leading cause of liver transplantation/liver related death in NZ

# Northland: Community Based Programme

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# Northland Demographics

- Population 30,000
- 3000 chronically infected with HBV
- 4.1/% Maori woman, 7% Maori men HBV +
- 1/3 do not respond to follow up
- A te wa – often leading to late presentation



# Why engage in the Community Clinic?

- Easy Access – convenient
- Familiar Environment – know and trust
- Speciality Treatment in Primary Setting
- Opportunity for Wellness Checks
- Free!



# NGO – New Model Of Care

- NDHB - Memorandum of Understanding, clinical oversight, remote treatment & care
- PHO – Clinical Directors/Nurse Educators/Practice Facilitators/Query Builder/Dashboard
- GP PRACTICE & NGWHA PRISON – Awareness/education/secondary care expertise & technology
- COMMUNITY – Media, health expo's, whanau grapevine, Foundation Nurses

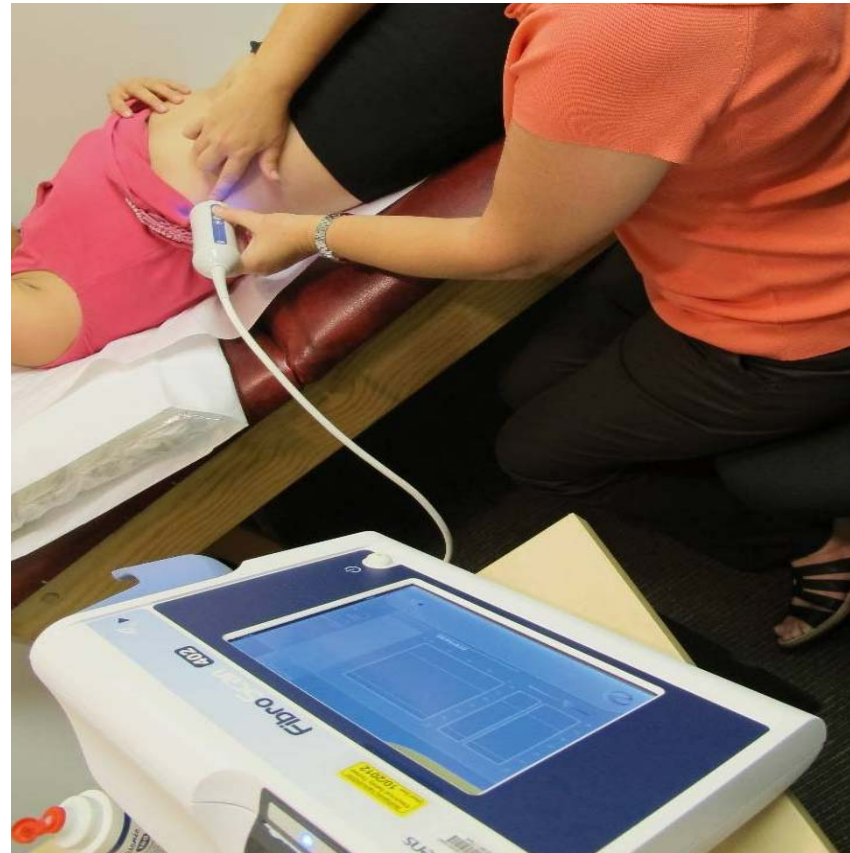


# The Fabulous Flying FibroScan – taking secondary care technology into Primary Care

*A FibroScan provides information about the health of your liver*

*It is a simple, painless tool that determines if liver damage (fibrosis or cirrhosis) is present*

*Results are immediately available*



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# CRM/FibroScan Nurse Partnership

- Targeted approach
  - Relationship Building
  - Information sharing
  - Networking
- 
- FibroScan Training certificated
  - Learning FibroScan practicalities & procedure
  - Clinic appointment logistics
  - Patient/Clinical Educator



# Tying it all up

## CRM

Established Trust &  
Awareness  
Communication with  
primary and secondary  
care

Public Relations  
Resource development  
& distribution

Nursing knowledge and  
experience, familiar  
with healthcare  
services & hepatitis  
patients, data base

Administration  
Liaising with GP  
practices/new referrals  
& THF administration  
officer

**Hepatitis  
Foundation  
Community  
Nurse**

## FibroScan nurse

Venepuncture,  
interpretation of lab  
reports and results,  
patient education,  
informed consent

Data Entry Training/  
Clinical Oversight/  
Reporting to  
GP/Secondary care

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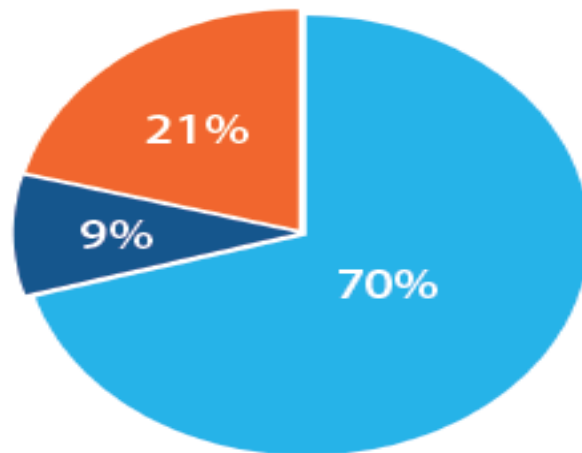


# Northland DHB FibroScan Clinic Results

## FibroScan results from the Northland Hepatitis Programme

A total of 149 successful FibroScan assessments were completed. Of these, 105 were people with chronic hepatitis B and 44 were people with chronic hepatitis C.

■ Normal / mild fibrosis ■ Moderate fibrosis ■ Severe fibrosis / cirrhosis



- Over 200 new referrals for HBV & HCV to The Hepatitis Foundation
- Over 31 people were shown to have elevated results, therefore liver disease, requiring referral to secondary care
- Cementing the relationship between The Foundation, Secondary & Primary Care and patients

# Role of THF Community Hepatitis Nurse

- Visits newly diagnosed patients at a location that suits them
- Educates people with hepatitis and their families / contacts
- Refers patients to secondary care (if required)
- Collaborative relationship with general practice



# THF FibroScan Team

- Communication
- Flexibility – one size did not always fit all
- Defined responsibilities – but working together
- Clinical oversight and referral to secondary care
- Post clinic review/feed back



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# Enrollments to Foundation/FibroScan clinic referrals 2013-2015

Current Enrollments	New Enrollments From GP Practice	Prisons	Total
778	222	15	237



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# We are on the Right Track!! (Testimonials)

- *Yes, location was great. Patients do not like attending Whangarei Hospital for five minutes – Lorna Denmead – Te Kohanga –*
- *Management within the community provides improved access for the patient to Hepatitis Specialists. It ensures the best chance of the patient responding, and timely follow up appointments and treatments. – Dr's Steele, Bristow, Hampson & Dudas – Kerimed Medical Partnership – Kerikeri*



**Thank you!**

***KNOW IT. TEST IT. TREAT IT.***

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