

Point of Care and Persistence in Community Hepatitis C Practice

Midland Region Community Hepatitis C
Service





Customs, Cost and Training





HepC
CLINIC
TODAY
Monday
10am - 1pm

MY GUIDE TO MAVIRET

HEPATIC ENCEPHALOPATHY
HEPATIC HYDROTHORAX
HEPATIC CARCINOMA

INTERNATIONAL OVERDOSE
AWARENESS DAY
**WE NEED
TO TALK
ABOUT
OVERDOSE**

Don't drink alcohol if you're taking your Hep C pills

Consent Form

HEPATITIS C POINT OF CARE (POC) – CONSENT

I (name).....

1. Give consent for a hepatitis C point of care test
2. Give or do not give consent for my hepatitis C point of care results to be uploaded to my records so my GP can access them
3. Do not have a GP

Signed..... Date.....

Patient consents to give result to GP = complete all sections	
*Patient does not consent or do not have a GP = complete name, gender, NHI, ethnicity, DOB only	
Name	*
Address	
NHI (if known)	
Gender	<input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Other
Ethnicity	*
Date of birth	*
Mobile number	
Home phone	
GP name	
Medical Centre	
Hepatitis C POC result	Negative/Positive (circle one)
Venue POC completed	
POC completed by	
POC date	
Comments	

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Creating the Model

- Awareness
- Education
- Testing
- One Stop Shop
- Incentives



Results - Totals

Midland Region	POC Results			Grand Total
	Negative	Positive	Test Declined	
Total	1160	40	6	1206

Midland Region	POC Results			Grand Total
	Negative	Positive	Test Declined	
Total	96%	3%	0%	100%

Number	POC Results			Grand Total
Midland DHB	Negative	Positive	Test Declined	
Bay of Plenty DHB	4			4
Lakes DHB	109	8		96
Tairāwhiti DHB	464	13	6	483
Taranaki DHB	314	5		332
Waikato DHB	269	14		283
Grand Total	1160	40	6	1206

Note: 8 people tested twice

Results - Venue type

Number Venue type	POC Results			Grand Total
	Negative	Positive	Test Declined	
Church	16			16
Community	453	4		408
Needle Exchange	45	15		60
General Practice	116	1	6	123
NGO	12			12
Occ Health	113			78
Pharmacy	36	6		42
Hospital	30			106
Dept of Corrections	205	8		213
Pharmacy - OST	11	5		16
Community - Maori	26			26
Community - Hospital	97	1		98
Grand Total	1160	40	6	1206

Results - Age

Number	POC Results			Grand Total
	Negative	Positive	Test Declined	
Age Group	Negative	Positive	Test Declined	Grand Total
Under 20	35			35
20-29	172			172
30-39	143	6		149
40-49	204	16	1	221
50-59	246	5	2	253
60-69	139	6	2	147
70-79	40		1	41
80+	8			8
Not recorded	172	7		179
Grand Total	1160	40	6	1206

Results - Gender

Number	POC Results			Grand Total
	Negative	Positive	Test Declined	
Gender				
Female	588	16	2	606
Male	561	24	4	588
Not recorded	10			10
Other	1			1
Grand Total	1160	40	6	1206

Results - Ethnicity

Number	POC Results			Grand Total
	Negative	Positive	Test Declined	
Ethnicity				
Maori	505	21	5	531
NZ European	541	17	1	559
Other	17			17
Pacific Islander	39			39
Not recorded	27	1		28
Other Ethnicity	5	1		6
Asian	23			23
Latin American	1			1
African	2			2
Grand Total	1160	40	6	1206

Patient Outcomes - Link to Care

- 40 positive tests
- 1 duplicate
- 16 positive viral load - treated
- 14 negative viral load - immune clearance
- 9 given blood forms but not completed



Discussion - Is it worth it?

Stepanova, Zobair and Younossi 2017

Economic Burden of Hepatitis C Infection

Multifaceted disease causing multifaceted economic burden worldwide

“in addition to direct medical expenses and drug costs, morbidity and mortality, includes indirect outcomes such as higher unemployment in infected patients, lower wages and impairment in work productivity and nonwork activities”



Discussion - Is it worth it?

- Gane et al 2014 quoted a pharmacoeconomic analysis that costed the current HCV epidemic in NZ at more than 0.5 billion over the next 20 years.



Discussion - Is it worth it?

- Razavi et al estimated a lifetime cost of an individual infected with HCV in 2011 was \$64,490 US dollars (\$101,257 NZD)
- In that respect our 16 treated patients have saved health just over 1.6 million dollars



Conclusions

- This is just one strategy
- The data is not 100% accurate but gives a guideline/trend
- Links to care and one stop shop need to be gold standard
- The awareness and education component is impossible to measure
- It has lead to great collaboration between services
- It has enabled us to do testing in any community setting
- Enabled us to test hard to reach populations
- It has identified 39 and treated 16 VL positive people



Thank you!



And thank you!

- For the passion of all the agencies completing POC testing often without any payment!

