

CAVIH - Hep B Screening and Management

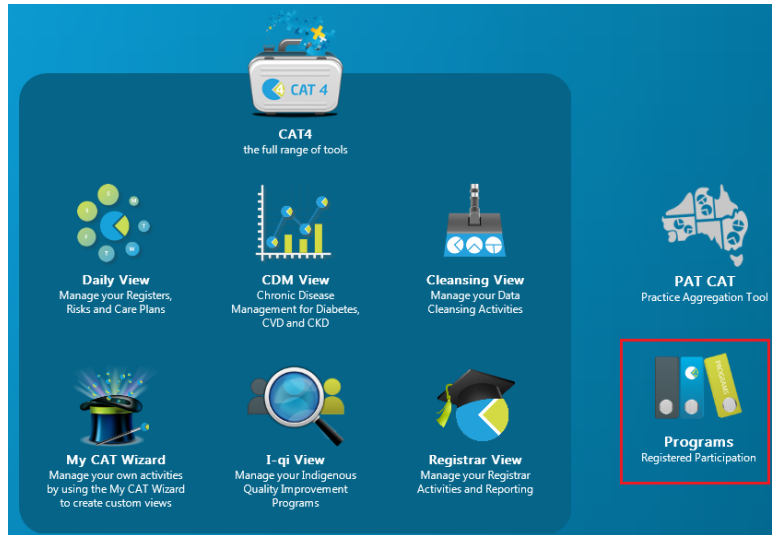
Quick Reference Guide Version 4.9 – December 2017

Hepatitis B (Hep B) is a blood borne virus infection which is increasing in prevalence in Australia. Hep B screening and management was identified by the Central and Eastern Sydney Primary Health Network (CES PHN) as a key area for improving health outcomes in their PHN catchment. CAT4's Hep B Screening and Management module was developed to allow clinicians to easily identify patients with risk factors for screening and follow-up patients with Hep B diagnosis for management and review.

This guide serves as a quick reference for the Hep B Screening and Management module.

Accessing the module

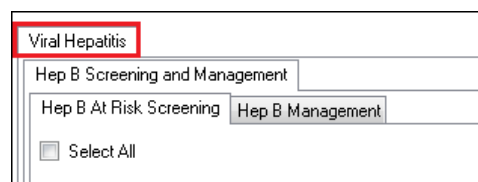
1. From the CAT Dashboard click the **Programs** icon



Then click on the Clinical Audit for Viral Hepatitis B program



The 'Viral Hepatitis/Hep B Screening and Management' report will be displayed:



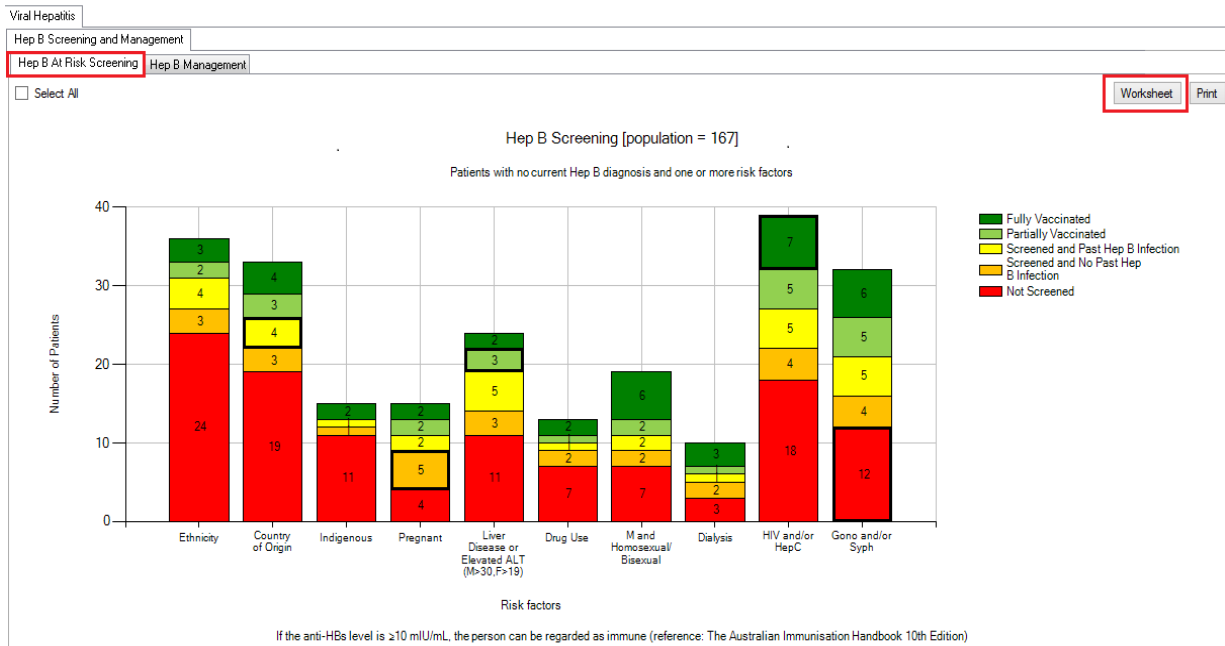
There are **2 main tabs** within the module that displays the graphs:

1. Hep B At Risk Screening

- The Screening graph includes patients without a current Hep B diagnosis but with one or more risk factors making them eligible for screening. The graph displays the number of patients that have been screened, not screened, and vaccinated.
- Risk factors:
 - Ethnicity
 - Country of Origin
 - Indigenous
 - Pregnant
 - Liver Disease or Elevated ALT (M>30, F>19)
 - Intravenous Drug Use
 - Male and Homosexual/Bisexual
 - Dialysis
 - HIV and or/or Hep C diagnosis
 - Gonorrhoea and/or Syphilis diagnosis

2. Hep B Management

- The Management graph includes patients with a current or past Hep B diagnosis. The graph displays the follow-up pathology testing that has/has not been done and other management items for review.
- Management Items:
 - HBV DNA last 12 months
 - ALT last 6 months
 - AFP last 6 months, where HBV/ALT are not at target
 - Liver Ultrasound (L US) last 6 months, where HBV/ALT are not at target
 - On Treatment





Some tips on how to work with these reports and worksheets:

A worksheet listing patients that **have not been screened** can be created by the following method:

1. Go to **Hep B At Risk Screening tab**.
2. Click the **red bar for not screened patients**.
3. Click the **Worksheet button** to see list of patients. The sample worksheet below shows **patients that have not been screened and are at risk due to their Gono and/or Syphilis diagnosis**.

ID	Surname	First name	Sex	DOB (Age)	Screening Date	Immunisation Date (Doses)	Ethnicity/ Country of Birth	Indigenous	Pregnant	Liver Disease/ Elevated ALT	Drug Use	Homosexual/ Bisexual (if male)	Dialysis	HIV and/or HepC	Gono and/or Syph
2	Surname	Firstname_147		12/12/1960 (57)						Liver Disease 05/07/2017					
3	Surname	Firstname_170	M	12/12/1963 (34)											Gono: 05/07/2017
9	Surname	Firstname_43	F	12/12/1978 (38)			Burmese / Myanmar, The Republic of the Union of							Gono/Syphilis Diagnosis	
12	Surname	Firstname_257	M	12/12/1978 (38)			Brunei Darussalam			ALT=31 01/02/2017		Y		HepC: 06/07/2017	Gono: 06/07/2017
29	Surname	Firstname_82		12/12/1985 (32)				Y							
32	Surname	Firstname_172	F	12/12/1978 (38)											Syph: 05/07/2017
34	Surname	Firstname_171	M	12/12/1985 (32)											Syph: 05/07/2017

A worksheet listing patients that **have been screened** can be created by the following method:

1. Go to **Hep B At Risk Screening tab**.
2. Click the **yellow bar for patients with past Hep B infection or the orange bar for patients with no past Hep B infection**.
3. Click the **Worksheet button** to see list of patients. The sample worksheet below shows **patients with past Hep B infection diagnosis and were screened but are at risk due to their Country of Birth**.

ID	Surname	First name	Sex	DOB (Age)	Screening Date	Immunisation Date (Doses)	Ethnicity/ Country of Birth	Indigenous
4	Surname	Firstname_240	F	12/12/1971 (46)	01/02/2017			
17	Surname	Firstname_233	M	12/12/1984 (33)	01/01/2017			
26	Surname	Firstname_270	F	12/12/1971 (46)	01/01/2017		Trinidadian (Tobagonian) / Guinea-Bissau	
28	Surname	Firstname_224	M	12/12/1975 (42)	01/04/2017			
36	Surname	Firstname_217	F	12/12/1971 (46)	01/04/2017			Y
41	Surname	Firstname_235		12/12/1986 (31)	01/01/2017		Gaza Strip and West Bank	

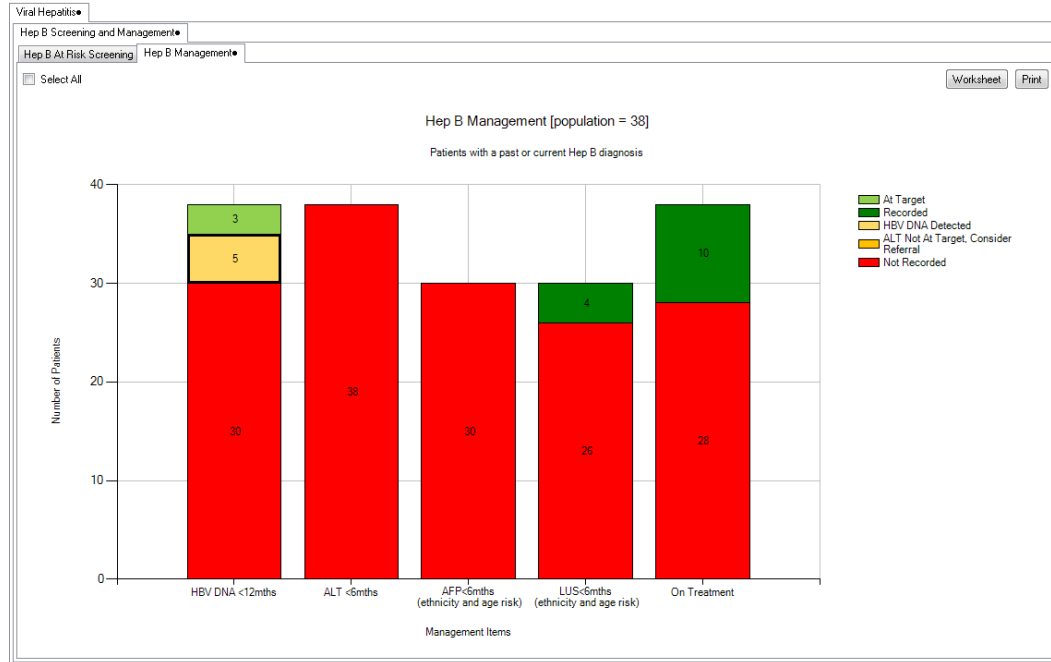
A worksheet listing patients that **have been vaccinated** can be created by the following method:

1. Go to **Hep B At Risk Screening tab**.
2. Click the **dark green for patients that were fully vaccinated or light green for patients that were partially vaccinated**.
3. Click the **Worksheet button** to see list of patients. The sample worksheet below shows **patients that were partially vaccinated but are at risk due because they were diagnosed with Liver Disease or with elevated ALT**.

ID	Surname	First name	Sex	DOB (Age)	Screening Date	Immunisation Date (Doses)	Ethnicity/ Country of Birth
7	Surname	Firstname_262	M	12/12/1959 (58)		07/07/2016 (3)	
10	Surname	Firstname_195	F	12/12/1960 (57)		05/05/2016 (3)	
22	Surname	Firstname_201	M	12/12/1955 (62)		05/07/2012 (1)	
25	Surname	Firstname_211	F	12/12/1977 (40)		06/07/2016 (1)	
30	Surname	Firstname_263	M	12/12/1984 (33)		07/07/2015 (3)	
31	Surname	Firstname_187	F	12/03/2012 (5)		01/01/2017 (3)	
35	Surname	Firstname_209	F	12/12/1970 (47)		06/07/2004 (2)	



Tips for using the Pen CS CAT Hep B Screening and Management module for quality improvement activities by your practice



A worksheet listing patients with current or past Hep B infection but **management items are not at target** can be created by the following method:

1. Go to **Hep B Management** tab.
2. Click the **orange bar for HBV DNA detected**.
3. Click the **Worksheet** button to see the list of patients. The sample worksheet below shows **patients with Hep B diagnosis and with HBV DNA detected**

ID	Surname	First name	Sex	DOB (Age)	Asian	African	ATSI	HepB	HBV DNA	ALT
84	Surname	Firstname_291	M	12/12/1980 (37)	?	?	?	Y	5 01/01/2017	Old result 29 01/02/2017
133	Surname	Firstname_273	M	12/12/1980 (37)				Y	5 01/01/2017	Old result 29 01/05/2017
178	Surname	Firstname_277	F	12/12/1978 (39)	?	?	?	Y	1 01/01/2017	Old result 29.5 01/05/2017
199	Surname	Firstname_279	M	12/12/1970 (47)	?	?	?	Y	1 01/05/2017	Old result 31 01/05/2017
248	Surname	Firstname_278	M	12/12/1979 (38)	?	?	?	Y	0.5 01/02/2017	Old result 19 01/05/2017

A worksheet listing patients with current or past Hep B infection but **management items are not recorded** can be created by the following method:

1. Go to **Hep B Management** tab.
2. Click the **red bar for not recorded management items**.
3. Click the **Worksheet** button to see the list of patients. The sample worksheet below shows **patients with Hep B diagnosis and their treatment or medication not recorded**.

ID	Surname	First name	Sex	DOB (Age)	Asian	African	ATSI	HepB	HBV DNA	ALT	Platelets	INR	AFP	L US	Cirrhosis	HIV, HepA, HepC, HepD	Alcohol	On Treatment
6	Surname	Firstname_294	M	12/12/1980 (37)	?	?	?	Y										
16	Surname	Firstname_227	M	12/12/1978 (39)	?	?	?	Y										
17	Surname	Firstname_233	M	12/12/1984 (33)	?	?	?	Y										
26	Surname	Firstname_270	F	12/12/1971 (46)		Y		Y		Old result 19.8 01/02/2017						HepC: 07/07/2017		
28	Surname	Firstname_224	M	12/12/1975 (42)	?	?	?	Y										06/07/2017
36	Surname	Firstname_217	F	12/12/1971 (46)			Y	Y										
40	Surname	Firstname_226	F	12/12/1977 (40)	?	?	?	Y				38 15/02/2017						



CAT4 Tip:

Instead of clicking a bar one by one **you may click the legend to select all related bars**. For example, clicking 'Not Recorded' in the Legend will select all red bars.