

Working with:



# HEP C u Later

**Running the Hepatitis C Search Tool  
in General Practice**

# Hepatitis C Search Tool

## Introduction

Thank you for your interest in running the hepatitis C search tool in your GP Practice.

Hepatitis C is a blood borne virus which can cause liver disease, liver cancer and death. Hepatitis C can now be cured with an 8-12 week course of Direct Acting Antiviral treatments (DAAs) with little or no side effects. The introduction of DAAs provides an opportunity to eliminate hepatitis C and the risks of liver disease and cancer caused by the virus. Symptoms of hepatitis C are non-specific and vague so can be easily missed. More information on Hep C for Primary Care teams can be found here: [General Practice - HEP C U Later](#)

It is estimated that around 55,000 people in England may still be unaware of having a hepatitis C infection and the majority (60%) are likely to be outside specialist services. Primary Care is the healthcare setting where we have the highest chance of finding people affected by hepatitis C.

## How can we find these patients?

Every GP Practice in England has access to an existing Patient Search Identification (PSI) Tool.

This takes a matter of minutes to generate a list of patients with codes for hepatitis C or risk factors for hepatitis C.

## Who are the missing patients?

1. People with historic risk factors:
  - **Past Intravenous Drug User**
  - **Past homelessness**
  - **Past prison stay**
  - **Pre-1996 blood product transfusion**
  - **Transfusion or medical care abroad**
2. Those born in or receiving medical care in high prevalence countries.

# Hepatitis C Search Tool

## To run the search in your practice:

EMIS practices – To generate lists of patients with hepatitis C codes or risk factor codes in EMIS - in the Population Reporting module, EMIS Library>SNOMED Searches >EMIS Clinical Utilities > Third Sector Partnerships > Hepatitis C Searches – deployment funded by MSD UK

## SystemOne practices

Email [hepcsearches@vipc.co.uk](mailto:hepcsearches@vipc.co.uk) with your practice code to request the searches.

Heptitis C Searches - MSD UK has funded the deployment and maintenance of these searches as part of the NHS England Hepatitis C Virus Elimination Programme.

- \* No Risk factors
- \* No Risk Factors - Hep C positive
- \* No Risk Factors - Hepatitis C related codes
- 1 Risk Factor
- 1 Risk Factor - Hepatitis C positive
- 1 Risk Factor - Hepatitis C related codes
- 2 Risk Factors
- 2 Risk Factors - Hepatitis C positive
- 2 Risk Factors - Hepatitis C related codes
- 3+ Risk Factors
- 3+ Risk Factors - Hepatitis C positive
- 3+ Risk Factors - Hepatitis C related codes
- 3+ Risk Factors - No HIV screening codes
- All reg pat not HEP C pos excluding palliative & death
- All Registered Patients - Hep C Antibody positive Inc GMS3
- All Registered Patients - Hep C Positive (+01/05/2019) Inc GMS3
- All Registered Patients - Hep C Positive (+01/05/2019) Inc GMS3
- All Registered Patients - Hep C Positive before 01/05/2019 and after 01/05/2019 Inc GMS3
- All Registered Patients - Hep C Positive Inc GMS3
- ALL REGISTERED PATIENTS - HEP C RESOLVED Inc GMS3
- ALL REGISTERED PATIENTS EXCLUDING PALLIATIVE / DEATH CODES - CURRENTLY HEP C POSITIVE INC GMS3
- ALL REGISTERED PATIENTS EXCLUDING PALLIATIVE / DEATH CODES - HEP C POSITIVE INC GMS3
- All Registered Patients Excluding Palliative / Death codes Inc GMS3
- All Registered Patients Inc GMS3
- At Risk
- At Risk - HEP C - declined
- At Risk - HEP C - not offered
- At Risk - HEP C - offered
- At Risk - Hepatitis C positive
- At Risk - Hepatitis C related codes
- At Risk - No Hepatitis C related codes
- At Risk - No High Risk risk codes
- At Risk - No Review Codes (ever)
- AT RISK - NOT HEP C POSITIVE
- AT RISK - NOT HEP C POSITIVE (NOT INC HIV SCREENING CODES)
- At Risk - NO\_HIVScreeningCodes
- Born in - All Reg - excluding death / palliative codes
- Hep C +ve (screening not offered after 01/05/19)
- Hep C - Screening offered after 01/05/19
- High Risk patients (Screening not offered since 01/05/2019)
- High Risk risk factor (any)
- High Risk risk factor (any) (Not inc HIV screening Codes)
- Low Risk - Any
- Patients born in higher prevalence countries

2. MSD UK shall not be liable for any clinical outcomes or patient care issues related to the Hepatitis C Searches.  
2. MSD UK's responsibility is strictly limited to funding and organisational logistics as part of the NHS England Hepatitis C Virus Elimination Programme.

Name

- In at risk group and not Hep C positive
- Payment searches
- Current patient population (including GMS3)
  - All patients excluding palliative and death codes
  - \* ALL PATIENTS WHO HAVE EVER BEEN HEP C POSITIVE
  - \* All patients with any Hep C risk factors
  - \* All patients with no risk factors for Hep C
    - No risk factors and coded as Hep C positive ever
    - No risk factors and coded with a Hep C related code
  - 1. All patients who have one Hep C risk factor only
    - 1a. One risk factor and coded as Hep C positive ever
    - 1b. One risk factor and coded with a Hep C related code
  - 2. All patients who have exactly two Hep C risk factors
    - 2a. Two risk factors and coded as Hep C positive ever
    - 2b. Two risk factors and coded with a Hep C related code
  - 3. All patients who have three or more Hep C risk factors
    - 3a. Three or more risk factors and coded as Hep C positive ever
    - 3b. Three or more risk factors and coded with a Hep C relate...
  - All patients with a Hep C High Risk factor
  - All Patients with a Hep C Low Risk factor
  - All patients with three+ Hep C Low Risk factors
- AT RISK GROUP
  - 1. In at risk group and Hep C positive ever
  - 2. IN AT RISK GROUP AND NOT HEP C POSITIVE
  - AT RISK - NOT INCLUDING HIV SCREENING RELATED CO...
- List Report: Hep C at risk
- List Report: Hep C at risk codes
- 3. In at risk group and Hep C related codes present
- 4. In at risk group and no Hep C related codes present
- 5. In at risk group and no High Risk factors present
- 6. In at risk group and no review codes present

Hep C currently positive

List Report: Hep C currently positive

Hep C positive ever

Hep C related codes

HEP C RESOLVED

# Hepatitis C Search Tool

## What to do with the search results:

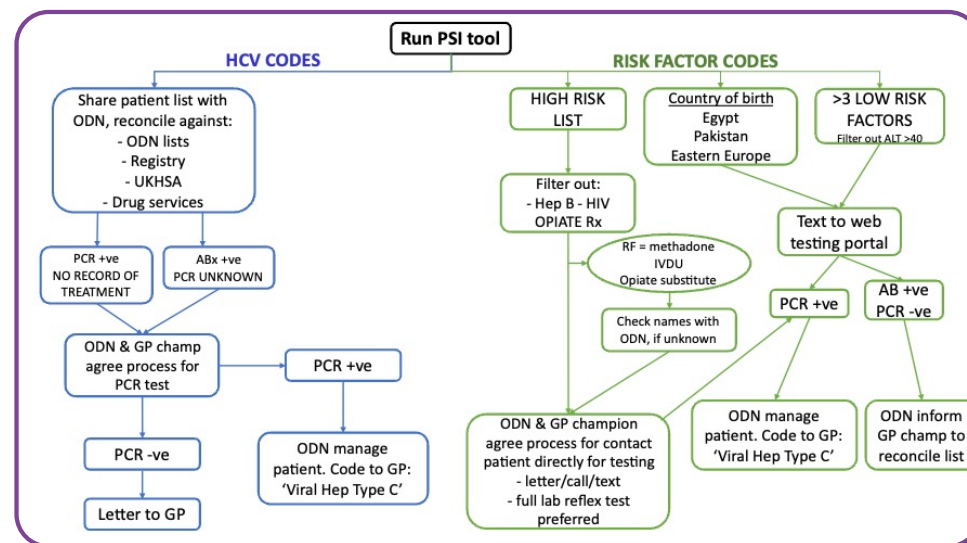
Your local Hepatitis C Operational Delivery Network (ODN) can support the management of the search results. You can find the contact for your ODN on the image.

1. Review of HCV coded patient list by your ODN
2. Arrange confirmatory testing of antibody positive but PCR unknown patients
3. Cohort the Risk Factor coded list. The flowchart below identifies how to do this.
4. Arrange testing for patients with high risk factors and signposting to the self-testing portal for those with >3 low risks
5. All people over 18 living in England can access a free home test for HCV here: [Home - HepC](#). There are brief videos available to send to patients via text who have risk factors and need signposting to the self-testing website

- <https://www.hepculater.com/hepatitis-c-testing-page-1/>
- <https://www.hepculater.com/hepatitis-c-testing-page-2/>
- <https://www.hepculater.com/hepatitis-c-testing-page-3/>

## Hepatitis C Operational Delivery Networks and clinical leads

North	Midlands & East	London North West	South	National
<ol style="list-style-type: none"> <li>1. North East &amp; North Cumbria The Newcastle Upon Tyne Hospitals NHS Foundation Trust Stuart McPherson <a href="mailto:stuart.mcpherson@nhs.uk">stuart.mcpherson@nhs.uk</a></li> <li>2. Greater Manchester &amp; Eastern Cheshire Manchester University NHS Foundation Trust Javier Vilar <a href="mailto:javier.vilar@nhs.uk">javier.vilar@nhs.uk</a></li> <li>3. Cheshire &amp; Merseyside Royal Liverpool &amp; Broad Green University Hospital NHS Trust Paul Richardson, Louise Ratcliffe <a href="mailto:paul.richardson@lrbh.nhs.uk">paul.richardson@lrbh.nhs.uk</a> <a href="mailto:louise.ratcliffe@liverpool.nhs.uk">louise.ratcliffe@liverpool.nhs.uk</a></li> <li>4. South Yorkshire Sheffield Teaching Hospitals NHS Foundation Trust Benjamin Stone <a href="mailto:benjamin.stone1@nhs.uk">benjamin.stone1@nhs.uk</a></li> <li>5. Humberside and North Yorkshire Hull &amp; East Yorkshire NHS Trust Nicholas Lason <a href="mailto:nicholas.lason@nhs.uk">nicholas.lason@nhs.uk</a></li> <li>6. West Yorkshire Leeds Teaching Hospitals NHS Trust Mark Aldersley <a href="mailto:mark.aldersley@nhs.uk">mark.aldersley@nhs.uk</a></li> <li>7. Lancashire and South Cumbria East Lancashire Hospitals NHS Trust Ioannis Gkikas <a href="mailto:ioannis.gkikas@nhs.uk">ioannis.gkikas@nhs.uk</a></li> </ol>	<ol style="list-style-type: none"> <li>8. Leicester University Hospitals of Leicester George Hills <a href="mailto:george.hills@uhl.nhs.uk">george.hills@uhl.nhs.uk</a></li> <li>9. Birmingham University Hospitals Birmingham NHS Foundation Trust David Mutimer <a href="mailto:dmutimer@nhs.uk">dmutimer@nhs.uk</a></li> <li>10. Nottingham Nottingham University Hospitals NHS Trust Stephen Ryder <a href="mailto:stephen.ryder@nhs.uk">stephen.ryder@nhs.uk</a></li> <li>11. Eastern Hepatitis Network Cambridge University Hospitals NHS Foundation Trust William Gelson <a href="mailto:william.gelson@nhs.uk">william.gelson@nhs.uk</a></li> </ol>	<ol style="list-style-type: none"> <li>12. West London Imperial College Healthcare Trust Ashley Brown <a href="mailto:ashley.brown@nhs.uk">ashley.brown@nhs.uk</a></li> <li>13. London Central North West Hepatitis Network Royal Free London NHS Foundation Trust Paul Trembling <a href="mailto:paul.trembling@nhs.uk">paul.trembling@nhs.uk</a></li> <li>14. Barts Barts Health NHS Trust Upkar Gill, Vikram Sharma <a href="mailto:u.gill@bham.ac.uk">u.gill@bham.ac.uk</a></li> <li>15. London South East South Thames Hepatitis Network (STHeper) Kings College Hospital NHS Foundation Trust Koshi Agarwal <a href="mailto:koshi.agarwal@nhs.uk">koshi.agarwal@nhs.uk</a></li> <li>16. London South West St George's St George's University Hospitals NHS Trust Daniel Forton <a href="mailto:daniel.forton@nhs.uk">daniel.forton@nhs.uk</a></li> </ol>	<ol style="list-style-type: none"> <li>17. Surrey Hepatitis Services Royal Surrey County Hospital NHS Foundation Trust Michelle Gallagher <a href="mailto:michelle.gallagher@nhs.uk">michelle.gallagher@nhs.uk</a></li> <li>18. Sussex Hepatology Network Brighton &amp; Sussex University Hospitals NHS Trust Jeremy Tibble <a href="mailto:j.tibble@hospitalsussex.nhs.uk">j.tibble@hospitalsussex.nhs.uk</a></li> <li>19. Thames Valley Hep C ODN Oxford University Hospitals NHS Trust Michael Pavlides <a href="mailto:michael.pavlides@ouh.nhs.uk">michael.pavlides@ouh.nhs.uk</a></li> <li>20. Wessex Hep C ODN University Hospital Southampton NHS Foundation Trust Ryan Buchanan <a href="mailto:ryan.buchanan@hscn.ac.uk">ryan.buchanan@hscn.ac.uk</a></li> <li>21. Bristol and Severn Hep C ODN University Hospitals Bristol NHS Foundation Trust Fiona Gordon <a href="mailto:fiona.gordon@hbristol.nhs.uk">fiona.gordon@hbristol.nhs.uk</a></li> <li>22. South West Peninsula Hepatitis C ODN Plymouth Hospitals NHS Trust John Christie <a href="mailto:john.christie@nhs.uk">john.christie@nhs.uk</a></li> <li>23. Kent Network via Kings Kings College Hospital NHS Foundation Trust Koshi Agarwal <a href="mailto:koshi.agarwal@nhs.uk">koshi.agarwal@nhs.uk</a></li> </ol>	<ol style="list-style-type: none"> <li>24. Paediatric Birmingham Women's &amp; Children's Hospital NHS Foundation Trust Dorine Kelly <a href="mailto:dorinekelly@nhs.uk">dorinekelly@nhs.uk</a></li> </ol>



# Hepatitis C Search Tool

## What to do with the search results:

6. Code patients according to the agreed standardised coding:

### Standard SNOMED Codes

Code: Viral Hepatitis type C  
50711007

- DEFINITIONS:
- HCV PCR +ve AND on DAA currently
- HCV PCR +ve AND declined treatment
- HCV PCR +ve AND treatment not completed (inc. Interferon)
- HCV Ab +ve and PCR UNKNOWN

Code: HCV Resolved - 761381000000102  
or  
Hepatitis C antigen negative(finding)  
SNOMEDCT 812161000000102

- DEFINITIONS:
- Previously HCV PCR +ve and treatment completed with SVR confirmed
- Spontaneous resolution of confirmed +ve HCV PCR

1

### Standard SNOMED Codes- Coding Hep C Negative individuals

Hepatitis C antibody test  
negative (finding)  
SNOMEDCT 314707006

Hepatitis C antibody not detected/negative

- CTV3 XaFE0
- READ2 43X4

2

Hepatitis C (HCV) results interpretation table with the relevant codes for Primary Care (click on the image to download a high resolution copy).

- Any results with a less than sign (<) indicate that the sample has not reached the threshold of detection should be considered as negative.
- If there are results you can't interpret speak to your ODN clinical leads.

Test	Result	Interpretation/action	SNOMED codes
Hepatitis C Antibody	Nonreactive	No HCV antibody detected. Sample can be reported as nonreactive for HCV antibody. No further action required.	Hepatitis C antibody test negative (finding) SNOMEDCT 314707006
Hepatitis C Antibody	Reactive	Presumptive HCV infection. A repeatedly reactive result is consistent with current HCV infection, or past HCV infection that has resolved, or biologic false positivity for HCV antibody. Test for HCV RNA (HCV antigen) to identify current infection.	Viral Hepatitis C 5071100750711007
Hepatitis C Antibody AND Hepatitis C RNA PCR(HCV antigen)	Reactive AND Detected	Indicates current HCV infection. Link person tested to care and treatment- for appropriate follow up.	Viral Hepatitis C 50711007
Hepatitis C Antibody AND Hepatitis C RNA PCR (HCV antigen)	Reactive AND Not Detected	No current HCV infection No further action required in most cases. If distinction between true positivity and biologic false positivity for HCV antibody is desired, and if sample is repeatedly reactive in the initial test, test with another HCV antibody assay. In certain situations, follow up with HCV RNA (HCV antigen) testing.	HCV Resolved 761381000000102 Or Hepatitis C antigen (RNA) negative 812161000000102



[www.hepculater.com](http://www.hepculater.com)



[connect.hepculater@mpft.nhs.uk](mailto:connect.hepculater@mpft.nhs.uk)

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