



***How-To:***

**Use Te Puna Risk Stratification  
Tool to identify patients for  
Hauora Wellness Plans**



# Risk Stratification Tool

The Risk Stratification Tool is a report based on an algorithm that predicts and reports the predicted risk of a person to be hospitalised in the next 6 months.

The tool is used for:

- Targeted approaches for patients with complex needs.
- Bringing patients for discussion at multi-disciplinary team meetings with general practice and community services.
- Condition specific approach for clinics or group appointments.
- A targeted approach for high users of secondary care.
- Winter Wellness Initiatives.

# 1. Open Te Puna

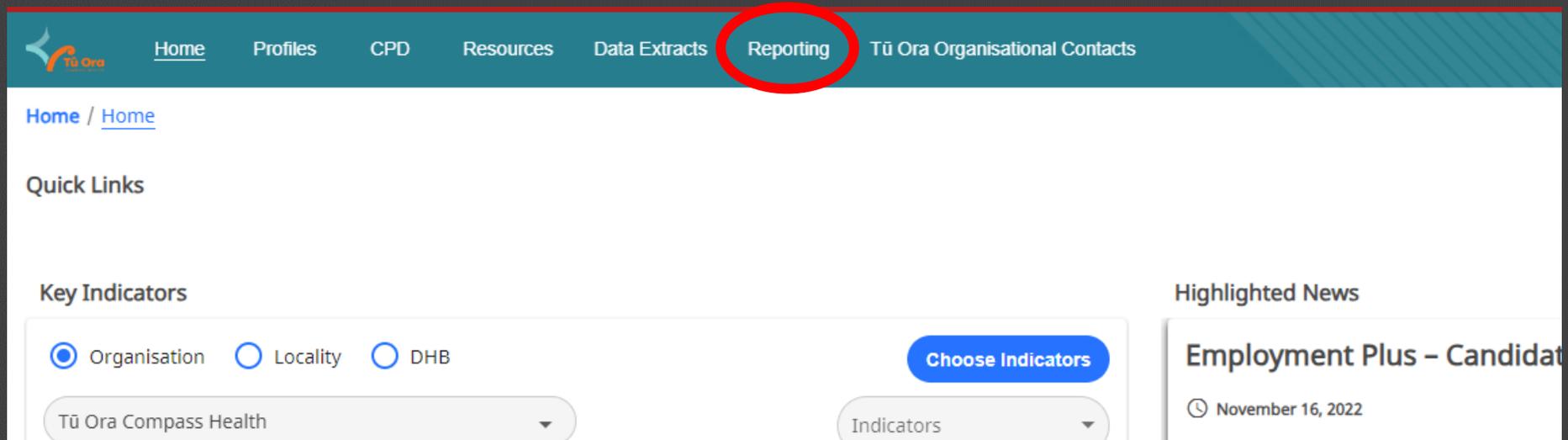
The screenshot displays the user interface of the Te Puna UAT system. At the top, a navigation bar includes the Te Puna logo, a 'Home' link, and several menu items: Profiles, CPD, Resources, Data Extracts, Reporting, and Tū Ora Organisational Contacts. A notification bell icon with a '2' badge and a user profile icon are on the right. Below the navigation bar, the page content is organized into several sections:

- Quick Links:** A section with a 'Manage Quick Links' button.
- Key Indicators:** A configuration panel with radio buttons for 'Organisation', 'Locality', and 'DHB'. A dropdown menu is set to 'Tū Ora Compass Health'. Below this are radio buttons for 'Total', 'Māori', 'Pacific', 'Asian', 'High Needs', and 'Other'. A 'Compare to' dropdown is set to 'None'. A 'Choose Indicators' button is present.
- Highlighted News:** A list of news items:
  - Employment Plus – Candidates:** Dated November 16, 2022. Text: 'Below are job listings'. Link: 'Contact Jo Gill'. Button: 'Read more'.
  - Multi Factor Authentication – update:** Text: 'Unfortunately the MFA rollout didn't go as planned and we ran into some technical difficulties. We're working on getting these resolved, once we're happy with the fixes we'll announce a new date when it will be turned on.' Link: 'Any questions contact admin-tepuna@tuora.org.nz'. Button: 'Read more'.
  - Te Puna upgrade Wednesday 16th - Thursday 17th:** Dated February 16, 2022. Text: 'Te Puna will be upgraded between Wednesday 16th 11pm – Thursday 17th 6am. There may be some outages during this time.' Button: 'Read more'.

At the bottom of the page, a footer states: 'Powered by Sorsix © 2024 all rights reserved. | Version: 2023.50.0-RELEASE (7250582936e)'.

## 2. Go to reporting

- Select reporting on the top right



The screenshot shows the top navigation bar of the Tū Ora website. The 'Reporting' link is circled in red. Below the navigation bar, the page content includes a breadcrumb trail 'Home / Home', a 'Quick Links' section, and a 'Key Indicators' section with radio buttons for 'Organisation', 'Locality', and 'DHB'. A dropdown menu is open for 'Tū Ora Compass Health' and another for 'Indicators'. To the right, there is a 'Highlighted News' section with a headline 'Employment Plus – Candidat' and a date 'November 16, 2022'.

Tū Ora

[Home](#) [Profiles](#) [CPD](#) [Resources](#) [Data Extracts](#) **Reporting** [Tū Ora Organisational Contacts](#)

[Home](#) / [Home](#)

Quick Links

Key Indicators

Organisation  Locality  DHB [Choose Indicators](#)

Tū Ora Compass Health Indicators

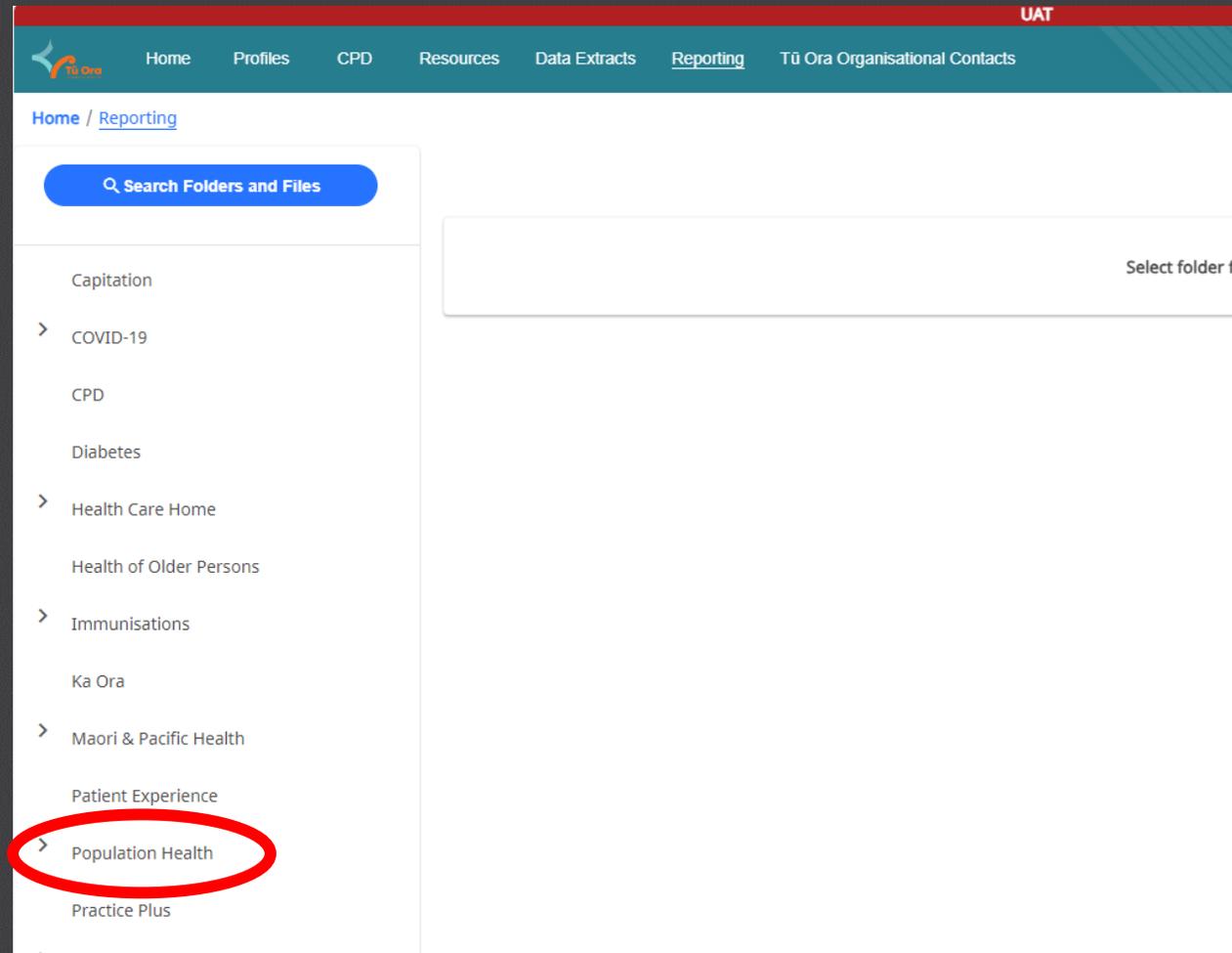
Highlighted News

**Employment Plus – Candidat**

November 16, 2022

# 3. Population Health

- Click on the population health folder



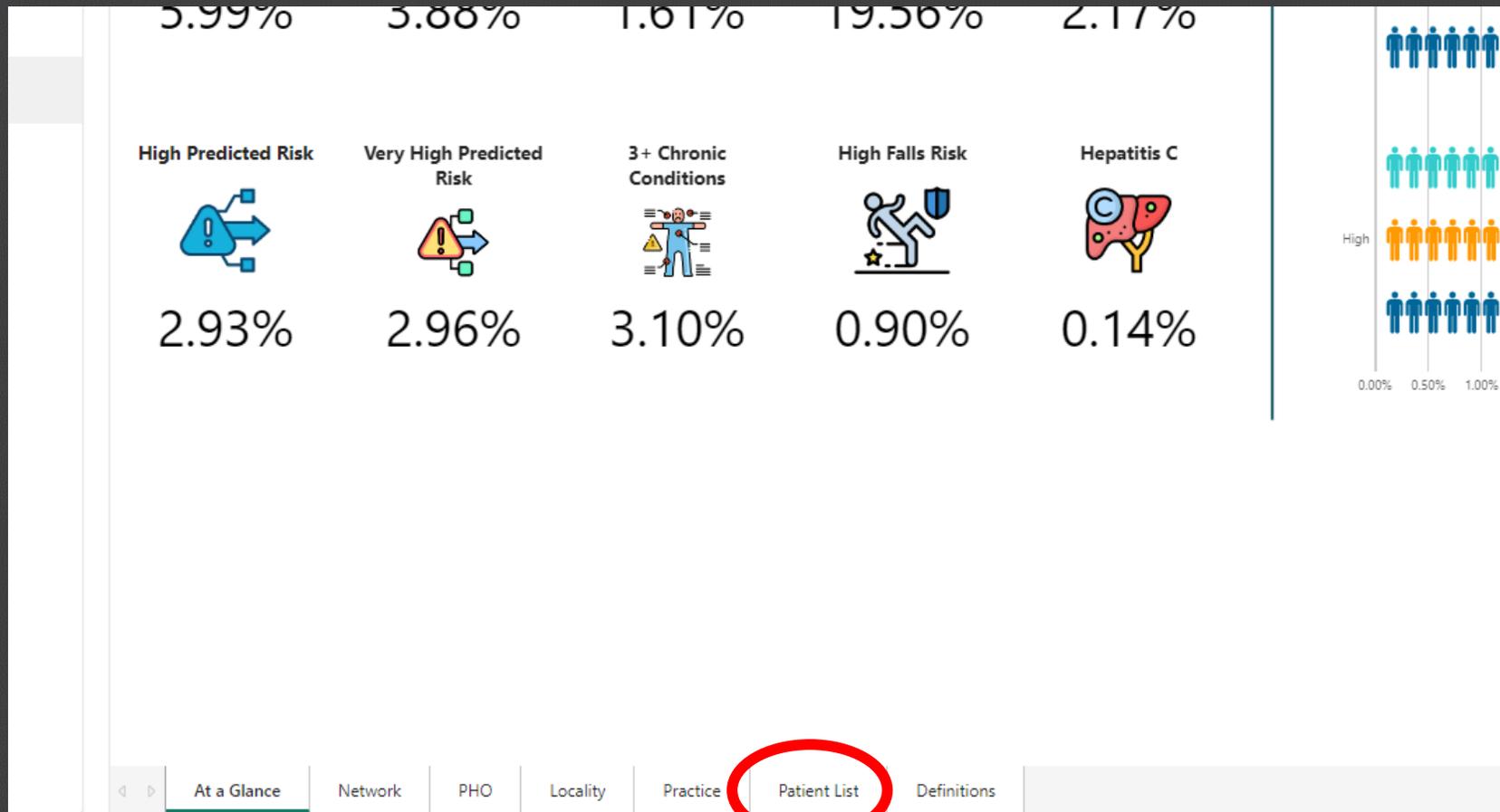
# 4. Population Summary

- Click on “Population Summary – Overview & Patient Details

<input type="checkbox"/>	Highest Risk Patients		05-01-2024
<input type="checkbox"/>	Internal		
<input type="checkbox"/>	Missing Patient List		09-01-2024
<input type="checkbox"/>	Population Summary - Overview & Patient Details		09-01-2024
<input type="checkbox"/>	Quality Dashboard		09-01-2024
<input type="checkbox"/>	Quality Indicator Report		09-01-2024

# 5. Patient List

- Click on “Patient list” in the bar down the bottom



# 6. Population Summary Page

- From this page, you can filter by Indicator, Ethnicity, and Provider, as well as access the definitions page.

Home / Reporting

Search Folders and Files

Capitation

COVID-19

CPD

Diabetes

Health Care Home

Health of Older Persons

Immunisations

Ka Ora

Maori & Pacific Health

Patient Experience

Population Health

Internal

Practice Plus

Service Use

Test

Tobacco Control

Urgent Care

### Population Summary Report

Test > Population Summary Report

Show Archived

Print Snapshot Full Screen Clear Filters

## Population Summary - Patient Details

Practice: Mickey Mouse Medical Centre

Ethnicity: All

Indicator: All

Provider: All

1392 Patients on this List

This is a patient list for those with chronic conditions or other measures such as a high risk of admission to hospital in the next 6 months.

If you spot any discrepancies or have any queries regarding the data below, please send a detailed query to [analysis.requests@tuora.org.nz](mailto:analysis.requests@tuora.org.nz) as your feedback will be invaluable for improving the accuracy of this report.

[Ctrl + Click here to view the definitions page](#)

NHINO	Surname.1	First_Name.1	EthnicGroup	Provider.1	Predicted Risk	Risk Group	Diabetes	COPD	Arthritis	CHF	Cardiac Condition	Gout	MH Condition	Asthma	Chronic Condition (Low Access)
XXX100020	XXXXXX	YYYYY	Maori	ZZZZZZ	1.10	Low	No	No	No	No	No	No	No	Yes	No
XXX100281	XXXXXX	YYYYY	Maori	ZZZZZZ	1.70	Low	No	No	No	No	No	No	No	No	No
XXX100296	XXXXXX	YYYYY	Maori	ZZZZZZ	2.00	Low	No	No	No	No	No	No	No	No	No
XXX100383	XXXXXX	YYYYY	Other	ZZZZZZ	2.50	Low	No	No	No	No	No	No	No	Yes	No
XXX100395	XXXXXX	YYYYY	Maori	ZZZZZZ	3.20	Low	No	No	No	No	No	No	Yes	Yes	No
XXX100561	XXXXXX	YYYYY	Other	ZZZZZZ	5.60	Low	No	No	No	No	No	No	No	No	No
XXX100667	XXXXXX	YYYYY	Maori	ZZZZZZ	2.90	Low	No	No	No	No	No	No	No	No	No
XXX100672	XXXXXX	YYYYY	Other	ZZZZZZ	7.50	High	No	No	No	No	No	No	No	Yes	No
XXX100673	XXXXXX	YYYYY	Other	ZZZZZZ	7.50	High	No	No	No	No	No	No	No	Yes	No
XXX100674	XXXXXX	YYYYY	Other	ZZZZZZ	7.50	High	No	No	No	No	No	No	No	Yes	No
XXX100724	XXXXXX	YYYYY	Maori	ZZZZZZ	1.70	Low	No	No	No	No	No	No	No	Yes	Yes
XXX100756	XXXXXX	YYYYY	Maori	ZZZZZZ	10.00	High	No	No	No	No	No	No	No	No	No
XXX100893	XXXXXX	YYYYY	Maori	ZZZZZZ	4.30	Low	No	No	Yes	No	No	No	No	No	No
XXX101038	XXXXXX	YYYYY	Other	ZZZZZZ	1.20	Low	No	No	No	No	No	No	No	No	No
XXX101040	XXXXXX	YYYYY	Other	ZZZZZZ	2.70	Low	No	No	Yes	No	No	No	Yes	No	No
XXX101064	XXXXXX	YYYYY	Maori	ZZZZZZ	2.30	Low	No	Yes	No	No	No	No	No	Yes	No
XXX101168	XXXXXX	YYYYY	Maori	ZZZZZZ	9.90	High	No	Yes	No	No	Yes	No	No	Yes	No
XXX101169	XXXXXX	YYYYY	Maori	ZZZZZZ	9.90	High	No	Yes	No	No	Yes	No	No	Yes	No
XXX101170	XXXXXX	YYYYY	Maori	ZZZZZZ	9.90	High	No	Yes	No	No	Yes	No	No	Yes	No
XXX101171	XXXXXX	YYYYY	Maori	ZZZZZZ	9.90	High	No	Yes	No	No	Yes	No	No	Yes	No
XXX101261	XXXXXX	YYYYY	Maori	ZZZZZZ	9.90	High	No	Yes	No	No	Yes	No	No	Yes	No

# 7. Filter by Indicator

- Click the indicator drop down and select the condition which you are looking for

**Population Summary - Patient Details**

This is a patient list for those with chronic conditions or other measures such as a high risk admission to hospital in the next 6 months.

If you spot any discrepancies or have any queries regarding the data below, please send a detailed query to [analysis.requests@tuora.org.nz](mailto:analysis.requests@tuora.org.nz) as your feedback will be invaluable for improving the accuracy of this report.

**Ctrl + Click here to view the definitions page**

Practice: Mickey Mouse Medical Centre  
Ethnicity: All  
Provider: All

**Indicator**

- Arthritis
- Asthma
- Cancer Readcode (Ever)
- Cardiac Condition
- Chronic Condition (Low Access)
- Congestive Heart Failure
- COPD
- CVD Risk > 15%
- Diabetes
- Frail Elderly

**173**  
Patients on this List

NHINO	Surname.1	First_Name.1	EthnicGroup	Provider.1	Predicted Risk	Risk Group	Diabetes	Frail Elderly	Heart Failure	Stroke	Gout	MH Condition	Asthma	Chronic Condition (Low Access)
XXX102440	XXXXXX	YYYYY	Other	ZZZZZ	7.50	High	Yes				No	No	No	No
XXX104827	XXXXXX	YYYYY	Maori	ZZZZZ	6.00	High	Yes				No	No	No	No
XXX105703	XXXXXX	YYYYY	Other	ZZZZZ	12.60	High	Yes				No	No	No	No
XXX1130	XXXXXX	YYYYY	Other	ZZZZZ	14.90	Very High	Yes	Yes	No	No	Yes	No	No	No
XXX120816	XXXXXX	YYYYY	Maori	ZZZZZ	5.40	Low	Yes	No	No	No	Yes	No	No	No
XXX1233	XXXXXX	YYYYY	Pacific	ZZZZZ	11.60	High	Yes	No	No	No	Yes	No	Yes	No
XXX124600	XXXXXX	YYYYY	Other	ZZZZZ	1.50	Low	Yes	No	No	No	No	No	Yes	Yes

- Please refer to the Winter Wellness Business Rules for further information about which indicators to select for this initiative.





# 10. Filter by Ethnicity

- Click the Ethnicity Indicator drop down and select the ethnicity you are looking for.

## Population Summary - Patient Details

This is a patient list for those with chronic conditions or other measures such as a high risk of admission to hospital in the next 6 months.

If you spot any discrepancies or have any queries regarding the data below, please send a detailed query to [analysis.requests@tuora.org.nz](mailto:analysis.requests@tuora.org.nz) as your feedback will be invaluable for improving the accuracy of this report.

**Ctrl + Click here to view the definitions page**

Practice: Mickey Mouse Medical Centre

Indicator: Diabetes

**Ethnicity**

- Select all
- Maori
- Other
- Pacific

**81** patients on this List

NHINO	Surname.1	First_Name.1	EthnicGroup	Provider.1	Predicted Risk	Risk Group	Diabetes	COPD	Arthritis	CHF	Cardiac Condition	Gout	MH Condition	Asthma	Chronic Condition (Low Access
XXX104827	XXXXXX	YYYYYY	Maori	ZZZZZZ	6.00	High	Yes	No	No	No	Yes	No	No	No	No
XXX120816	XXXXXX	YYYYYY	Maori	ZZZZZZ	5.40	Low	Yes	No	No	No	No	Yes	No	No	No
XXX124621	XXXXXX	YYYYYY	Maori	ZZZZZZ	5.60	Low	Yes	No	No	No	No	No	No	Yes	No
XXX12675	XXXXXX	YYYYYY	Maori	ZZZZZZ	7.10	High	Yes	Yes	Yes	No	Yes	No	No	Yes	No

# 11. Filter by Provider

- Click the provider drop down and select the provider

## Population Summary - Patient Details

This is a patient list for those with chronic conditions or other measures such as a high risk of admission to hospital in the next 6 months.

If you spot any discrepancies or have any queries regarding the data below, please send a detailed query to [analysis.requests@tuora.org.nz](mailto:analysis.requests@tuora.org.nz) as your feedback will be invaluable for improving the accuracy of this report.

**Ctrl + Click here to view the definitions page**

Practice: Mickey Mouse Medical Centre

Ethnicity: Maori

Indicator: Diabetes

**Provider**

- Select all
- ZZZZZZ

NHINO	Surname.1	First_Name.1	EthnicGroup	Provider.1	Predicted Risk	Risk Group	Diabetes	COPD	Arthritis	CHF	Cardiac Condition	Gout
XXX104827	XXXXXX	YYYYYY	Maori	ZZZZZZ	6.00	High	Yes	No	No	No	Yes	No
XXX120816	XXXXXX	YYYYYY	Maori	ZZZZZZ	5.40	Low	Yes	No	No	No	No	Yes
XXX124621	XXXXXX	YYYYYY	Maori	ZZZZZZ	5.60	Low	Yes	No	No	No	No	No
XXX12675	XXXXXX	YYYYYY	Maori	ZZZZZZ	7.10	High	Yes	Yes	Yes	No	Yes	No
XXX13065	XXXXXX	YYYYYY	Maori	ZZZZZZ	5.30	Low	Yes	No	No	No	No	No
XXX13586	XXXXXX	YYYYYY	Maori	ZZZZZZ	4.80	Low	Yes	No	No	No	No	Yes

# 12. Reorganise List

- You can re-sort the list to show you a different ordering
- To do this, click on the desired group heading and it will cycle through the options.
- Notice how in this screenshot, the risk is now sorted from high to low.

**Population Summary - Patient Details**

This is a patient list for those with chronic conditions or other measures such as a high risk of admission to hospital in the next 6 months.

If you spot any discrepancies or have any queries regarding the data below, please send a detailed query to [analysis.requests@tuora.org.nz](mailto:analysis.requests@tuora.org.nz) as your feedback will be invaluable for improving the accuracy of this report.

Practice: Mickey Mouse Medical Centre

Ethnicity: All

Indicator: Frequent Attender

Provider: All

**316** Patients on this List

Ctrl + Click here to view the definitions page

NHINO	Surname.1	First_Name.1	EthnicGroup	Provider.1	Predicted Risk	Risk Group	Diabetes	COPD	Arthritis	CHF	Cardiac Condition	Gout	MH Condition	Asthma	Chronic Condition (Low Access)
XXX10951	XXXXXX	YYYYYY	Other	ZZZZZZ	99.90	Very High	Yes	No	No	No	Yes	No	Yes	No	No
XXX19671	XXXXXX	YYYYYY	Maori	ZZZZZZ	90.30	Very High	No	Yes	No	No	No	Yes	No	Yes	No
XXX9575	XXXXXX	YYYYYY	Maori	ZZZZZZ	78.10	Very High	No	No	No	No	No	No	No	No	No
XXX28499	XXXXXX	YYYYYY	Maori	ZZZZZZ	73.00	Very High	Yes	Yes	No	No	Yes	Yes	No	Yes	No
XXX60546	XXXXXX	YYYYYY	Other	ZZZZZZ	57.70	Very High	No	No	No	No	No	No	No	No	No
XXX91278	XXXXXX	YYYYYY	Other	ZZZZZZ	55.40	Very High	Yes	No	No	No	Yes	No	No	Yes	No
XXX216934	XXXXXX	YYYYYY	Maori	ZZZZZZ	51.30	Very High	No	Yes	Yes	No	No	No	No	No	No
XXX256872	XXXXXX	YYYYYY	Other	ZZZZZZ	46.60	Very High	No	No	No	No	No	No	No	Yes	No
XXX238159	XXXXXX	YYYYYY	Other	ZZZZZZ	44.00	Very High	Yes	Yes	No	No	Yes	No	No	No	No
XXX180928	XXXXXX	YYYYYY	Maori	ZZZZZZ	43.80	Very High	No	No	No	No	Yes	No	No	No	No
XXX201246	XXXXXX	YYYYYY	Maori	ZZZZZZ	38.60	Very High	No	No	No	No	No	No	No	No	No
XXX256077	XXXXXX	YYYYYY	Maori	ZZZZZZ	37.70	Very High	Yes	Yes	No	No	No	No	No	No	No

# 13. View the definitions page

- Click on the “definitions” tab at the bottom of the page

XXX216954	XXXXXX	YYYYY	Maori	ZZZZZZ	51.50	Very High	No	Yes	Yes	No	No	No
XXX256872	XXXXXX	YYYYY	Other	ZZZZZZ	46.60	Very High	No	No	No	No	No	No
XXX238159	XXXXXX	YYYYY	Other	ZZZZZZ	44.00	Very High	Yes	Yes	No	No	Yes	No
XXX180928	XXXXXX	YYYYY	Maori	ZZZZZZ	43.80	Very High	No	No	No	No	Yes	No
XXX201246	XXXXXX	YYYYY	Maori	ZZZZZZ	38.60	Very High	No	No	No	No	No	No
XXX256077	XXXXXX	YYYYY	Maori	ZZZZZZ	37.70	Very High	Yes	Yes	No	No	No	No
XXX165840	XXXXXX	YYYYY	Other	ZZZZZZ	32.90	Very High	No	No	No	No	Yes	No
XXX311291	XXXXXX	YYYYY	Other	ZZZZZZ	32.50	Very High	No	No	No	No	No	No
XXX307907	XXXXXX	YYYYY	Other	ZZZZZZ	30.80	Very High	No	No	No	No	No	No
XXX176164	XXXXXX	YYYYY	Maori	ZZZZZZ	30.50	Very High	No	No	No	No	No	No
XXX38345	XXXXXX	YYYYY	Other	ZZZZZZ	29.50	Very High	Yes	No	No	No	No	No
XXX335696	XXXXXX	YYYYY	Maori	ZZZZZZ	29.40	Very High	No	Yes	No	No	Yes	No
XXX131240	XXXXXX	YYYYY	Other	ZZZZZZ	28.50	Very High	Yes	No	No	No	Yes	No
XXX17622	XXXXXX	YYYYY	Maori	ZZZZZZ	26.60	Very High	Yes	Yes	No	No	Yes	No
XXX99157	XXXXXX	YYYYY	Other	ZZZZZZ	24.40	Very High	No	No	No	No	No	No

Navigation tabs: Network | PHO | Locality | Practice | Patient List | **Definitions**

# 14. Definitions page

- This page contains short descriptions of the indicators

Indicator	Definition
Arthritis	Read coded for either rheumatoid arthritis or osteoarthritis (NO
Asthma	Read coded for Astham (H33 root).
Cancer Readcode (Ever)	Read coded with any history of malignant neoplasms (B.. root, s
Cardiac Condition	Read coded for cardiac conditions (792,G1,G3,G6,G540/G5411,C
Chronic Condition (Low Access)	Has any of the read codes for Diabetes/COPD/Arthritis/Congest has had less than 3 unique consult dates in the past 12 months.
Congestive Heart Failure	Read coded for Congestive Heart Failure (G58 root).
COPD	Read coded for chronic obstructive pulmonary disease (H3 root)
CVD Risk > 15%	Latest CVD Risk value is greater than 15%.
Diabetes	Read coded with a C10 root.
Frail Elderly	Patient has been classified as "Frail Elderly".
Frequent Attender	More than 12 unique consult dates in the previous 12 months.
Gout	Read coded for Gout (C34 root).
High Falls Risk	Aged 50 or older, and have had a hospital presentation for con
Mental Health Condition	Read coded for various different mental health conditions withi
Predicted Risk	An algorithm for predicting the risk of hospital admission for pa High), the next 5% (High), then the remaining 93% (Low).
Renal	Read coded for Chronic Kidney Disease (K05 root).

# 15. Exporting patient list

- To export this data, move your mouse to the upper right of the page and click on the “...” as shown in the screenshot below.
- This will export all data, irrespective of filters
- Click on “export data” and choose the format desired

The screenshot shows a patient list interface with several filter sections: Practice (Mickey Mouse Medical Centre), Ethnicity (All), Indicator (Diabetes), and Provider (All). A dropdown menu is open from the '...' button in the top right, with 'Export data' highlighted. The Tu Ora logo is visible in the top right corner. Below the filters is a table with columns for Predicted Risk, Risk Group, and various medical conditions.

Predicted Risk	Risk Group	Diabetes	COPD	Arthritis	CHF	Cardiac Condition	Gout	MH Condition	Asthma	Chronic Condition (Low Access
99.90	Very High	Yes	No	No	No	Yes	No	Yes	No	No
73.00	Very High	Yes	Yes	No	No	Yes	Yes	No	Yes	No
55.40	Very High	Yes	No	No	No	Yes	No	No	Yes	No
44.00	Very High	Yes	Yes	No	No	Yes	No	No	No	No

# For further support

Contact [practice@tuora.org.nz](mailto:practice@tuora.org.nz) if further support is required.