Accessing the Dashboard

National Dementia Programme

Create a new item

Welcome to the National Dementia Programme workspace. The space is for colleagues working in the dementia sector and aims to enable collaboration, discussion and sharing learning and best practice. Please familiarise yourself with this workspace and if you have any questions or suggestions for how we can improve it, please email the dementia team at ENGLAND.DomainTeam@nhs.net.

Members must not use this network or forums within this network to advertise any business. Any members found to be doing this will have their membership revoked.

New member?

Find out more about this workspace and how you can use it

Discussion forum

Share ideas and information with dementia workspace members

Dementia Events Calendar

Dementia Wellbeing Pathway

Dementia Care Pathway Full Implementation Guidance

Dementia Data Sources

Commissioning

[National Dementia Programme - FutureNHS Collaboration Platform]

[Dementia Data Sources - National Dementia Programme - FutureNHS Collaboration Platform]

Dementia Data Sources

Create a new item

This page has been set up to share the data reporting dashboards and resources that have been created for dementia data. This combines the work of the national Analytical Services team and Performance Analysis team, along with resources from Arm's-Length Bodies such as NHS Digital and Public Health England.

If you have any questions or feedback please contact the Dementia policy team: England.DomainTeam@nhs.net.

Monthly MHSDS Memory Service Data Dashboard

For Management Information Purposes

Emergency Admissions for Dementia and Delirium Dashboard

For Management Information Purposes

Monthly Dementia Diagnosis Rate (DDR) Dashboard

Monthly Anti-Psychotic Prescribing Dashboard

Monthly Memory Service Data Dashboard

Create a new item

For Management Information Purposes

Thank you to all those that have attended the MHSDS MAS dashboard discussions over the last year. We hope you will have the chance to use the dashboard to aid/complement local reporting and enable comparison to other, similar providers.

- Data will be updated monthly.
- Change requests can be submitted and will be reviewed quarterly for prioritisation and possible inclusion if appropriate.
- Any feedback or data questions? Contact ENGLAND.DomainTeam@nhs.net.

Access the dashboard

Updated ICB Dashboard User Guide and Metadata

Dashboard How-To Webinar

Dementia care pathway: full implementation guidance

Dementia care pathway: appendices and helpful guidance

Memory Assessment Services Spotlight Audit 2021

[Monthly Memory Service Data Dashboard – National Dementia Programme – FutureNHS Collaboration Platform]

Dementia Access to Memory Assessment Services Dashboard (MHSDS) Update for ICBs

Create a new item

Memory Assessment Services (MAS) Dashboard ICB Update

Front | Open Referrals | Open Referrals With No Contact | Open Referrals With a Care Plan | New Referrals and Discharges | Primary Reason for Referr

Memory Assessment Services (MAS) Dashboard Update for ICBs

Please note this information is experimental and is for data quality improvement and management information purposes only.

Owing to the recent cyber incident, national and some subnational figures may be lower than expected for August 2022 onwards.

Data Source: Mental Health Services Dataset (MHSDS)
Frequency: Monthly
Last Updated: January 2022
Latest Month: October 2022
Author: NHS England and NHS Improvement
Contact: england.mhanalytics@nhs.net

Undo | Redo | Revert | Refresh | Pause | View: Original | Share | Download | Full Screen

Open the report in a new window

[Dementia Access to Memory Assessment Services Dashboard (MHSDS) - National Dementia Programme - FutureNHS Collaboration Platform]

Using the Dashboard

Use of the Data

- **Please note that the data in the dashboard is experimental.**
- **The data should therefore not be released outside of the NHS.**
- **It is only intended for use for management and data quality purposes to try to understand and improve the data for memory assessment services within MHSDS.**

There are nine other dashboard tabs at the top of the page for all **Open Referrals**, for **Open Referrals With No Contact**, for **Open Referrals With a Care Plan**, for **New Referrals and Discharges**, for **Primary Reason for Referral**, for **Wait Times From Referral to First Contact**, for **Proportion of Wait Times Between Referral and First Contact,** for **Wait Times From Referral to Diagnosis**, and for **Proportion of Wait Times Between Referral and Diagnosis**.

Memory Assessment Services (MAS) Dashboard

Please note this information is experimental and is for data quality improvement and management information purposes only.

Please note that data for Sub-ICB locations and CCGs has been combined in order to preserve a useful time series. Please note that some boundary changes occurred with this change, so caution should be taken when comparing data from prior to 1st July 2022 with data after this date.

Owing to the recent cyber incident, national and some sub-national figures may be lower than expected for August 2022 onwards.

Data Source: Mental Health Services Dataset (MHSDS)
Frequency: Monthly
Last Updated: January 2022
Latest Month: October 2022
Author: NHS England and NHS Improvement
Contact: england.mhanalytics@nhs.net

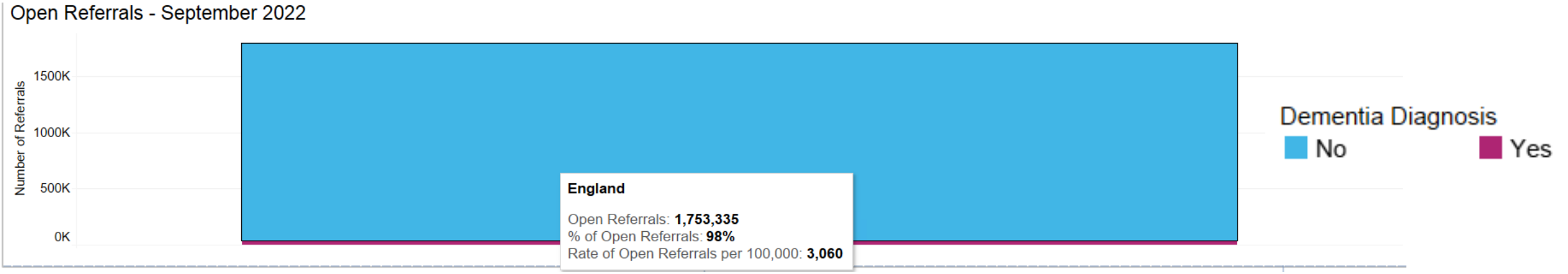
The Front Page contains basic information such as when the data was last updated.

The dashboard shows ALL organisations and patients with data on MHSDS (not just MAS patients) for new referrals and discharges in the month and open referrals at the end of the month.

Data Interpretation and Quality

Dementia Diagnosis Interpretation

The blue and pink colour split in the charts for open referrals, new referrals and discharges shows the split between cases with and without a Dementia/MCI diagnosis – blue representing without a Dementia/MCI diagnosis and pink representing with a Dementia/MCI diagnosis.



The hover text pane comes up when you hover your cursor on a specific point on the bar chart. It allows you to see the correlating information including the organisation name, the number in each with and without a diagnosis sub-group, and their % share of the total.

The total number of open referrals, new referrals and discharges at an organisation is the sum of the with and without a dementia diagnosis numbers.

Always look at the numbers on the y axis for each chart to see the actual numbers and to understand the relative magnitude of the different measures (such as that open referrals are larger than new referrals).

Dementia Diagnosis Interpretation Continued

Some providers with no dementia diagnosis data on MHSDS will also have no referrals to memory assessment services showing. Some others may have very low numbers and %'s of diagnoses, which may suggest inaccurate data recording or submission.

Does the number and % of those with a diagnosis seem right for each provider?

The wide variations in service patterns and recording by providers must be borne in mind when exploring the differences between them through using the filters. What the filters for team types and primary reason for referral are set to will determine what numbers appear for each provider. But a low number does not necessarily mean that the provider is low in total nor that a high provider is not also high on other combinations of team types and reasons.

Data Quality

Any apparent data inaccuracies or omissions should be queried with providers. The data should also be shared with all the providers so that they can check that the data on MHSDS for memory services is giving an accurate picture of their activity. **However, as noted above the data is experimental and only for sharing and use within the NHS.**

Filters

1. The Opening Setting and the Month Filter

The dashboard charts are set on opening to display the data for the latest month for England.

The dashboard includes data from April 2020 to the latest month at the last update.

Click on the **Month filter** to view the data for a previous month.

2. Organisation Type, Region and Organisation Name Filters

The **Organisation Type filter** can be set to show National, ICB, Sub ICB or Provider views.

The National option only works if the **Region filter** is set to All.

Switching from the National view to the ICB, Sub ICB or Provider view then shows all the organisations in those categories included in the MHSDS dataset.

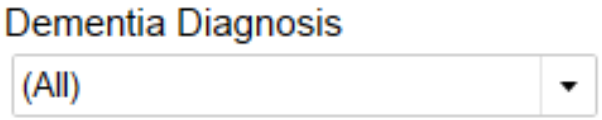
To filter this further, click on the **Region filter** to change the display to the region you are interested in, which will reduce the number of organisations showing to just those in that region.

The dashboard has regional data for providers and commissioners in East of England, London, Midlands, North East and Yorkshire, North West, South East and South West.

The **Organisation Name filter** can be used to display a specific organisation.

3. Dementia Diagnosis and Diagnosis Area Filters

The dashboard extracts data for all patients on MHSDS and so the numbers with a Dementia/MCI diagnosis may sometimes be small and not very visible in the bar charts on some views.



The **Dementia Diagnosis filter** allows you to look at those with a diagnosis on their own by selecting the "Yes" option which will reset the presentation and scale of the charts to make them easier to see.

To further distinguish between an MCI or Dementia diagnosis, the **Diagnosis Area filter** allows you to look at those with a Dementia diagnosis, MCI diagnosis, No diagnosis, or any combination of the three.

4. The Team Type Filter

The data can be filtered on team type to focus on referrals and discharges more specific to memory assessment services.

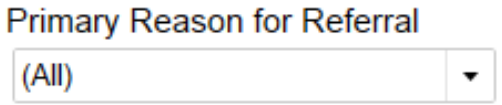
The most common team type to look at is the **Memory Services/Clinic** type, which nationally accounts for about 50% of MAS cases with a dementia diagnosis, and is the code recommended by the RCP in its Dementia Pathway guidance.

But about 40% of cases are attributed to **Community Mental Health Teams (CMHT)** – either Organic or Functional.

However, if filtering for CMHT or other non-memory service/clinic teams note that it may also show people referred for other reasons as well as for memory assessments. Further filtering on the **Primary Reason for Referral** can restrict the CMHT or other team cases to those with an organic brain disorder reason but some memory assessment cases may not have this as a reason depending on how codes are used locally and whether their dementia was discovered after a referral for some other condition.

The use of these and the other team type codes by different providers can be explored by varying the filter. Some providers can have mostly one code, some more another, and some a mix of a few or many different codes. The use of different team type codes by different providers may reflect differences in how memory services are provided, or local choices/habits of which codes to use.

5. The Primary Reason for Referral Filter



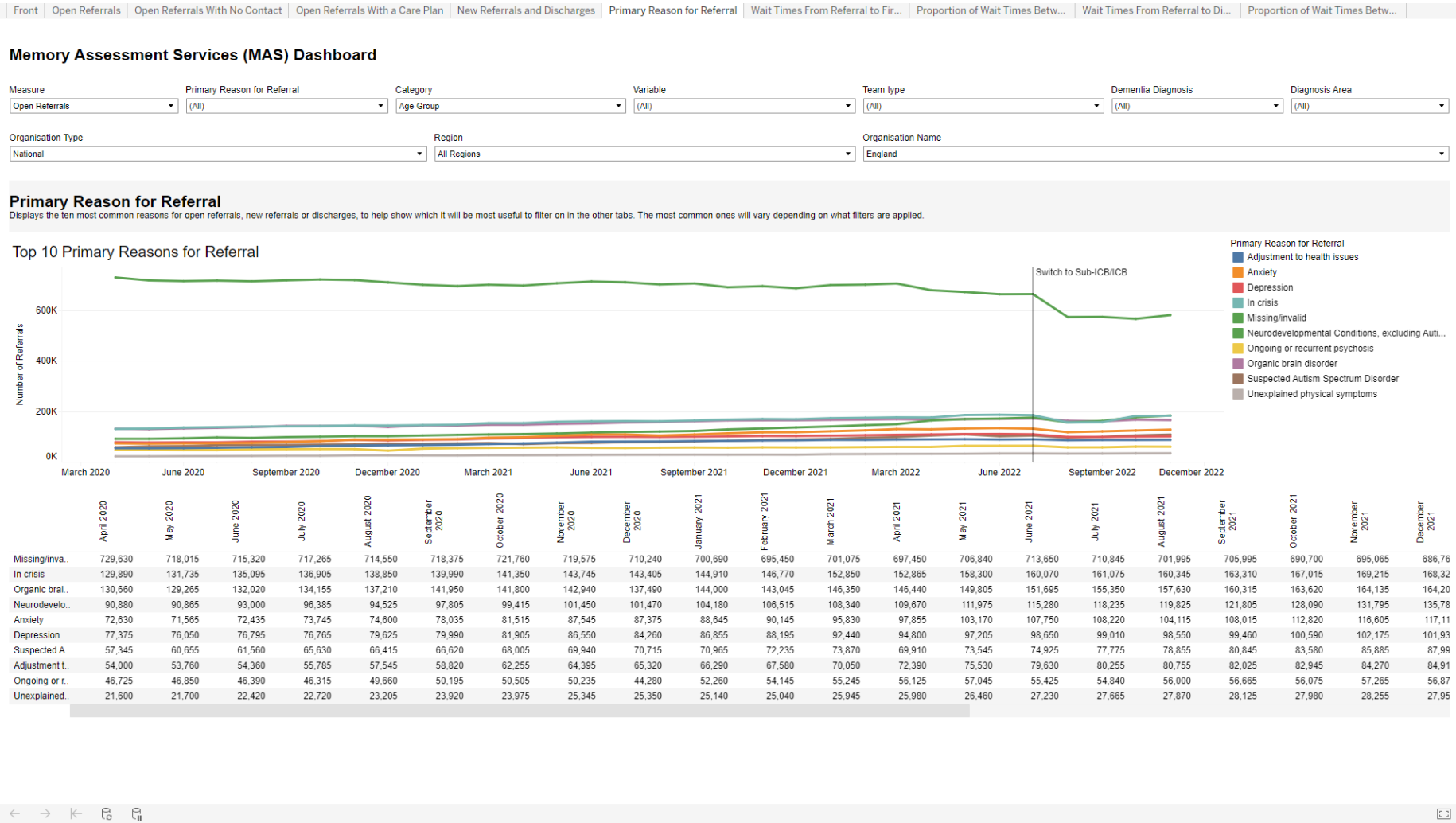
A lot of referrals in MHSDS do not have a primary reason for referral coded. This is the null category.

The primary reason for referral of **organic brain disorder** is one of the most common for MAS and is recommended by the RCP in its Dementia Pathway guidance, but some MAS providers do not use it at all and some only partially.

The use of the different primary reason codes by different providers can be explored by varying the filter. Though organic brain disorder is the recommended code, it will not be appropriate in all circumstances and some people receiving a dementia diagnosis may have originally been referred for something else or experienced a crisis.

If the **Team Type filter** is set to All, the organic brain disorder **Primary Reason for Referral filter** will show all such referrals for all team types at each organisation.

6. The Primary Reason for Referral Tab



	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020	January 2021	February 2021	March 2021	April 2021	May 2021	June 2021	July 2021	August 2021	September 2021	October 2021	November 2021	December 2021
Missing/inva..	729,630	718,015	715,320	717,265	714,550	718,375	721,760	719,575	710,240	700,690	695,450	701,075	697,450	706,840	713,650	710,845	701,995	705,995	690,700	695,065	686,76
In crisis	129,890	131,735	135,095	136,905	138,850	139,990	141,350	143,745	143,405	144,910	146,770	152,850	152,865	158,300	160,070	161,075	160,345	163,310	167,015	169,215	168,32
Organic brai..	130,660	129,265	132,020	134,155	137,210	141,950	141,800	142,940	137,490	144,000	143,045	146,350	146,440	149,805	151,695	155,350	157,630	160,315	163,620	164,135	164,20
Neurodevelo..	90,880	90,865	93,000	96,385	94,525	97,805	99,415	101,450	101,470	104,180	106,515	108,340	109,670	111,975	115,280	118,235	119,825	121,805	128,090	131,795	135,78
Anxiety	72,630	71,565	72,435	73,745	74,600	78,035	81,515	87,545	87,375	88,645	90,145	95,830	97,855	103,170	107,750	108,220	104,115	108,015	112,820	116,605	117,11
Depression	77,375	76,050	76,795	76,765	79,625	79,990	81,905	86,550	84,260	86,855	88,195	92,440	94,800	97,205	98,650	99,010	98,550	99,460	100,590	102,175	101,93
Suspected A..	57,345	60,655	61,560	65,630	66,415	66,620	68,005	69,940	70,715	70,965	72,235	73,870	69,910	73,545	74,925	77,775	78,855	80,845	83,580	85,885	87,99
Adjustment t..	54,000	53,760	54,360	55,785	57,545	58,820	62,255	64,395	65,320	66,290	67,580	70,050	72,390	75,530	79,630	80,255	80,755	82,025	82,945	84,270	84,91
Ongoing or r..	46,725	46,850	46,390	46,315	49,660	50,195	50,505	50,235	44,280	52,260	54,145	55,245	56,125	57,045	55,425	54,840	56,000	56,665	56,075	57,265	56,87
Unexplained..	21,600	21,700	22,420	22,720	23,205	23,920	23,975	25,345	25,350	25,140	25,040	25,945	25,980	26,460	27,230	27,665	27,870	28,125	27,980	28,255	27,95

Please note that data for Sub-ICB locations and CCGs has been combined in order to preserve a useful time series. Please note that some boundary changes occurred with this change, so caution should be taken when comparing data from prior to 1st July with data after this data, as indicated on the time series graph.

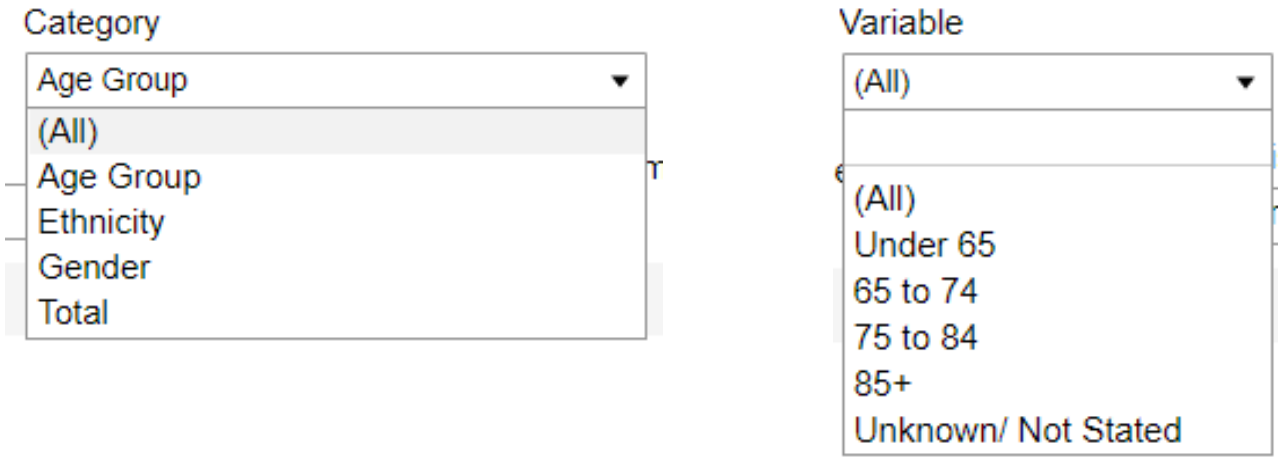
This tab can be used to help show which primary reason for referral is most useful to filter on in the other tabs.

The ten most common primary reasons for referral are shown on the primary reason line chart and these will vary depending on what filters are applied.

The **Measure filter** can be used to look at the primary reasons for referral for Open Referrals, New Referrals or Discharges.

The key on the right shows which colour line is which reason but hovering over a line shows the reason type, the number for a month, and highlights the corresponding row of data in the table beneath the chart. The line and data for just one of the top ten reasons can be displayed by choosing that reason in the **Primary Reason for Referral filter** at the top.

7. Equalities Characteristics Filters



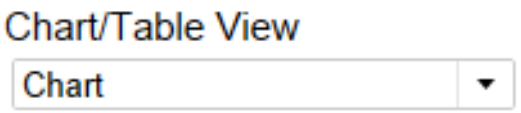
The dashboard also contains a **Category filter** to select Age, Gender or Ethnicity and then a **Variable filter** to select a sub-group within the category.

The **Age Category** is broken down into **Under 65, 65 to 74, 75 to 84, 85+** and **Unknown/Not Stated** sub-groups.

The **Ethnicity Category** is broken down into **Asian, Black, Mixed, Other** and **White** sub-groups, together with a **Not Stated/Not Known** sub-group which may be larger for ethnicity than for age or gender.

The **Gender Category** is broken down into **Females, Males** and **Other/Not Stated/Not Known.**

8. Chart/Table View Filter



This filter allows the view to be changed from charts to tables.
This filter is available for **Wait Times from Referral to First Contact, Proportion of Wait Times Between Referral and First Contact, Wait Times from Referral to Diagnosis** and **Proportion of Wait Times Between Referral and Diagnosis** tabs.

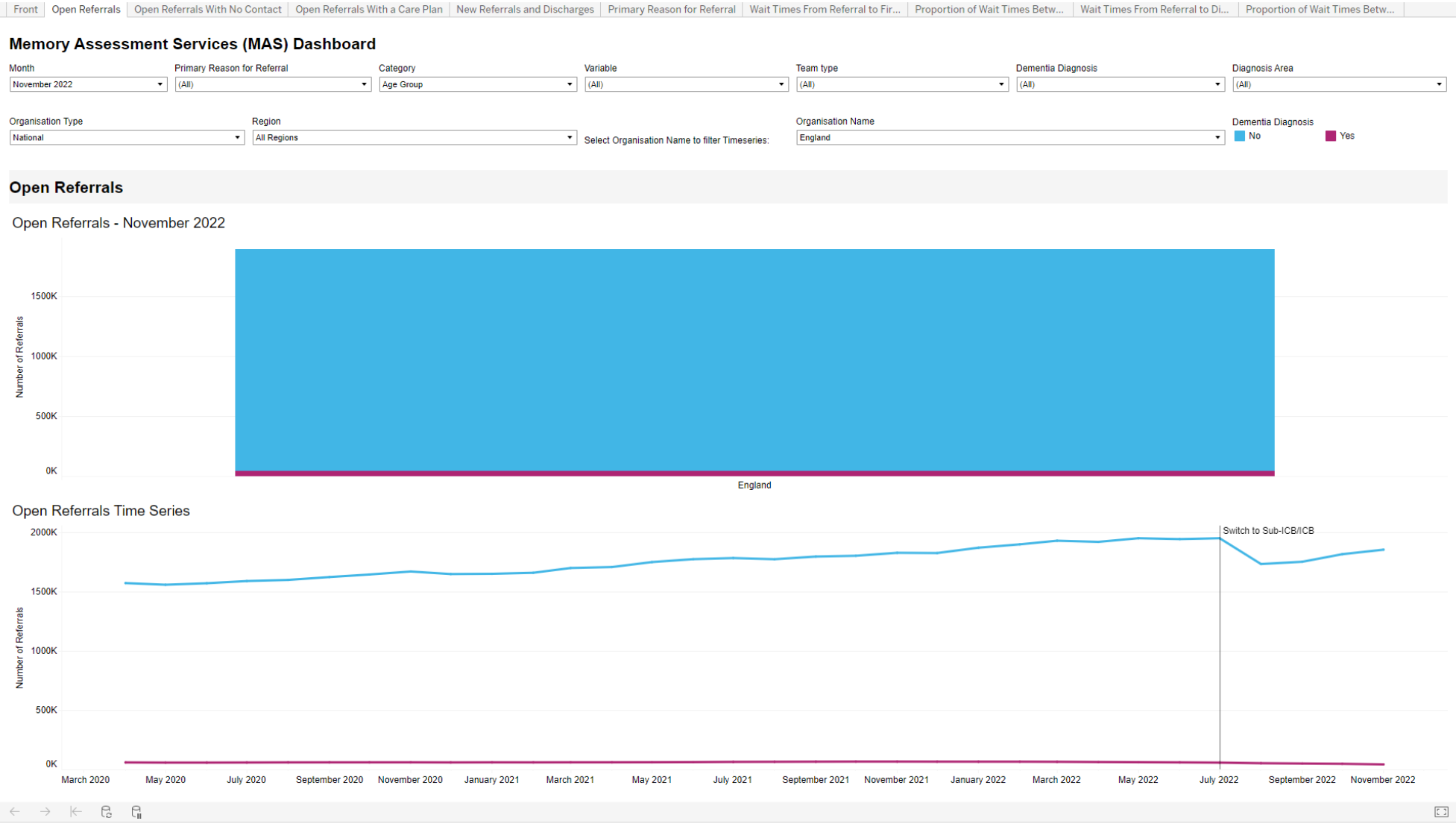
9. Resetting Filters

Always use the filters carefully and reset them to “All” if necessary (but keeping the Category filter as Age Group) before starting a fresh analysis or if going back to the opening position.

Thus, if, after applying a number of filters for a particular region, you want to switch to look at another region as well as changing the region filter you must decide which filters you leave on. If you want to see the totals for the new region leaving some filters on will reduce the numbers that are displayed for the organisations in that region and be partial figures rather than totals (such as just males or just females if the Gender filter is left on)

Dashboard Tabs

Open Referrals Tab



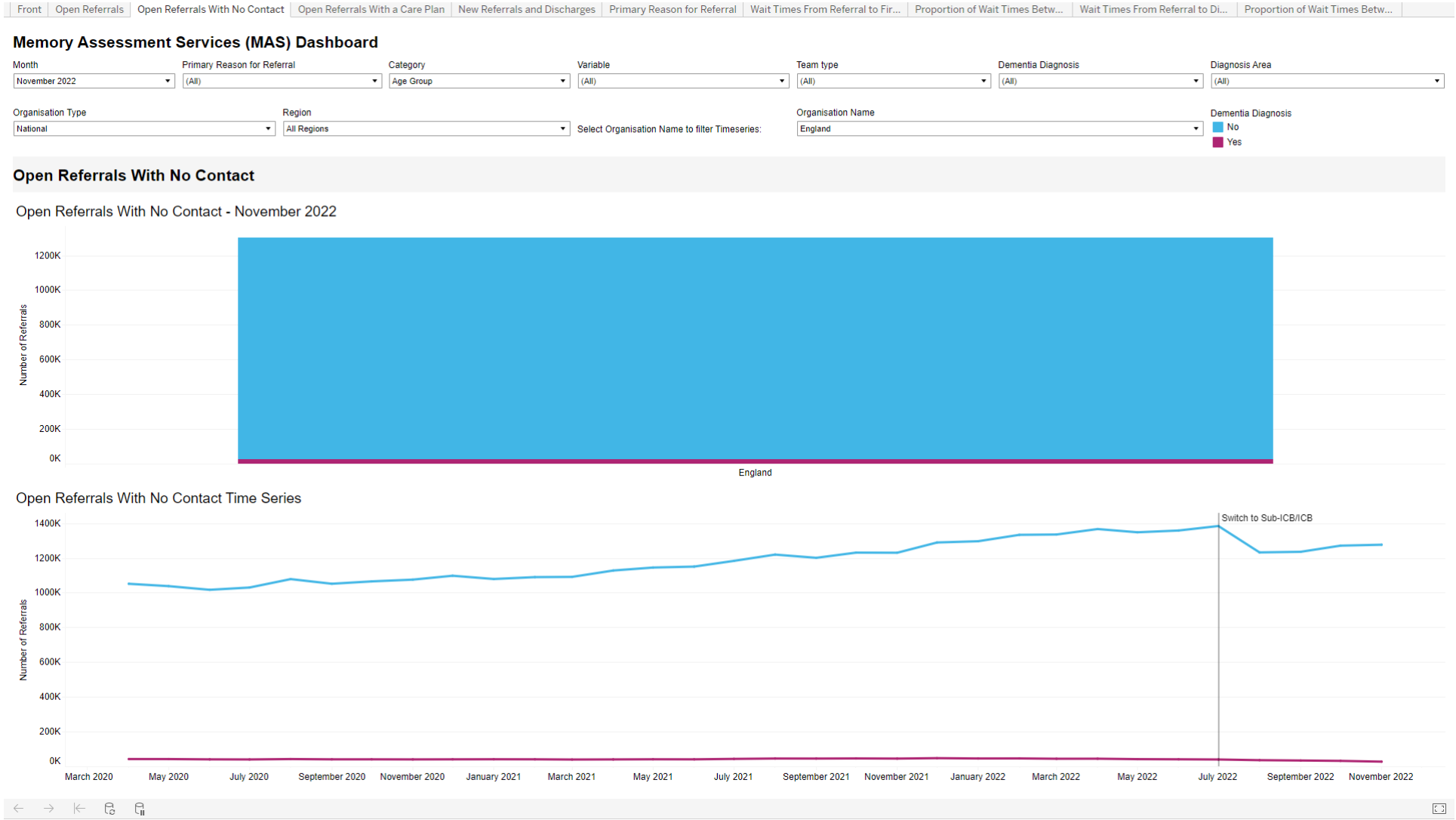
The bar and time series charts to show the number and % of open referrals, with and without a diagnosis.

Month, Primary Reason for Referral, Category, Variable, Team Type, Dementia Diagnosis, Diagnosis Area, Organisation Type, Region and Organisation Name filters can be used to adjust the data displayed as outlined in slides 10 to 17.

Please note that data for Sub-ICB locations and CCGs has been combined in order to preserve a useful time series. Please note that some boundary changes occurred with this change, so caution should be taken when comparing data from prior to 1st July with data after this data, as indicated on the time series graph.

Rate of open referrals per 100,000 population graph will be included again soon – awaiting access to 2021 census population data.

Open Referrals with No Contact Tab



The bar and time series charts to show the number and % of open referrals with no contact, with and without a diagnosis.

Filters at the top can be used to adjust the data displayed as outlined in slides 10 to 17.

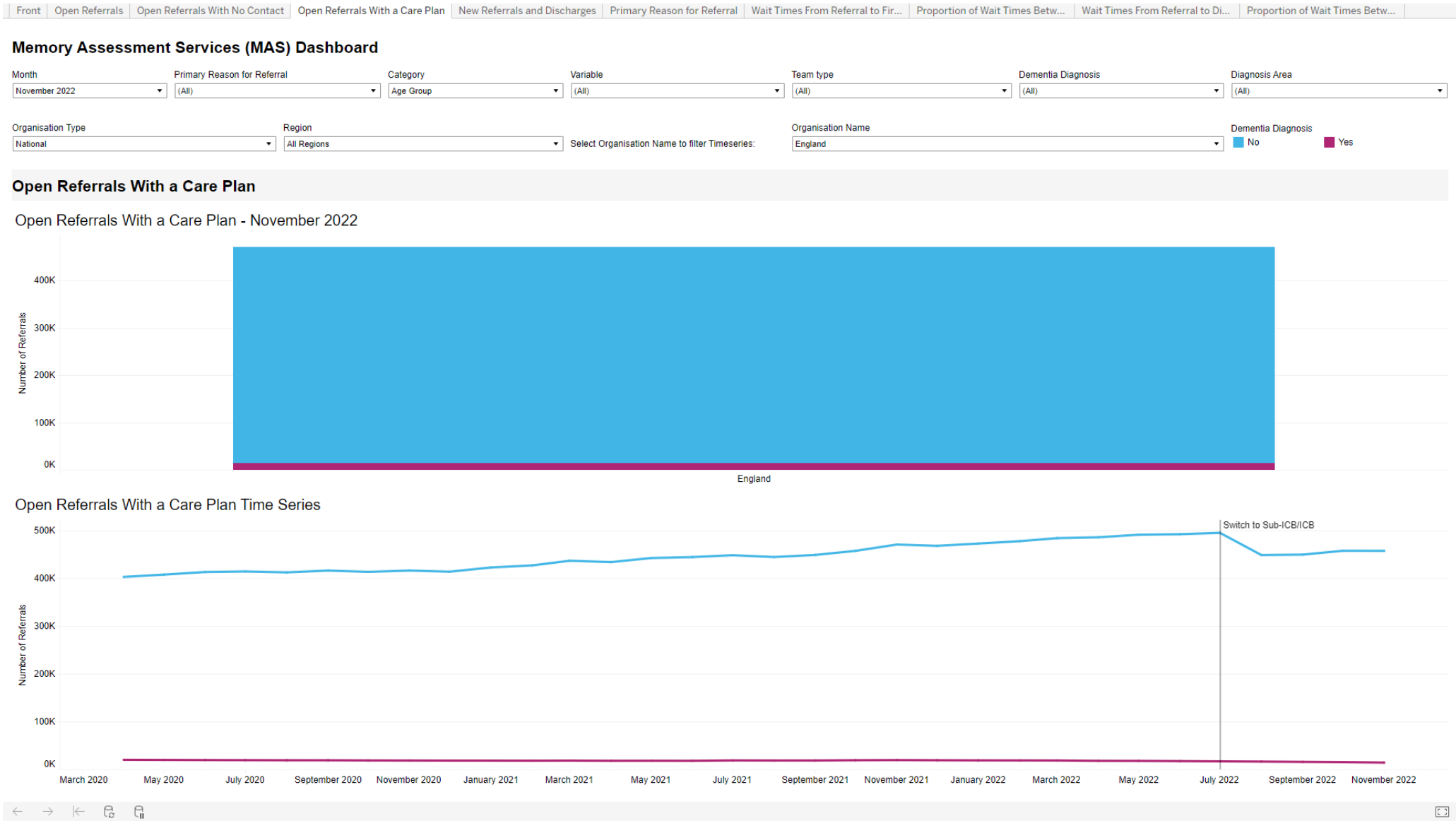
It is a measure of work activity and how quickly/efficiently patients are moving through the pathway.

Please note that data for Sub-ICB locations and CCGs has been combined in order to preserve a useful time series. Please note that some boundary changes occurred with this change, so caution should be taken when comparing data from prior to 1st July with data after this data, as indicated on the time series graph.

A higher number of open referrals with no contact, relative to those with such contact, may indicate delays in carrying them out. We might also normally expect the % for those with a diagnosis to be less than for those without a diagnosis (and to be zero or near zero), since a diagnosis would not normally be possible without a contact (unless made on a previous referral). Differences may also reflect re-referral and admin process differences (such as how often people are re-referred and how quickly they are seen relative to new referrals).
The measure is not calculated for new referrals since they may not yet have had time for an initial contact to have been set up or attended.

A care contact can also be used as a very tentative proxy measure for the number of referrals who have had an assessment, since a contact will usually be associated with an assessment. Assessment dates are not recorded on MHSDS and so it is not possible to do a direct measure. A high % of open referrals with no contact may also signify a high % waiting for an assessment.

Open Referrals With Care Plan Tab



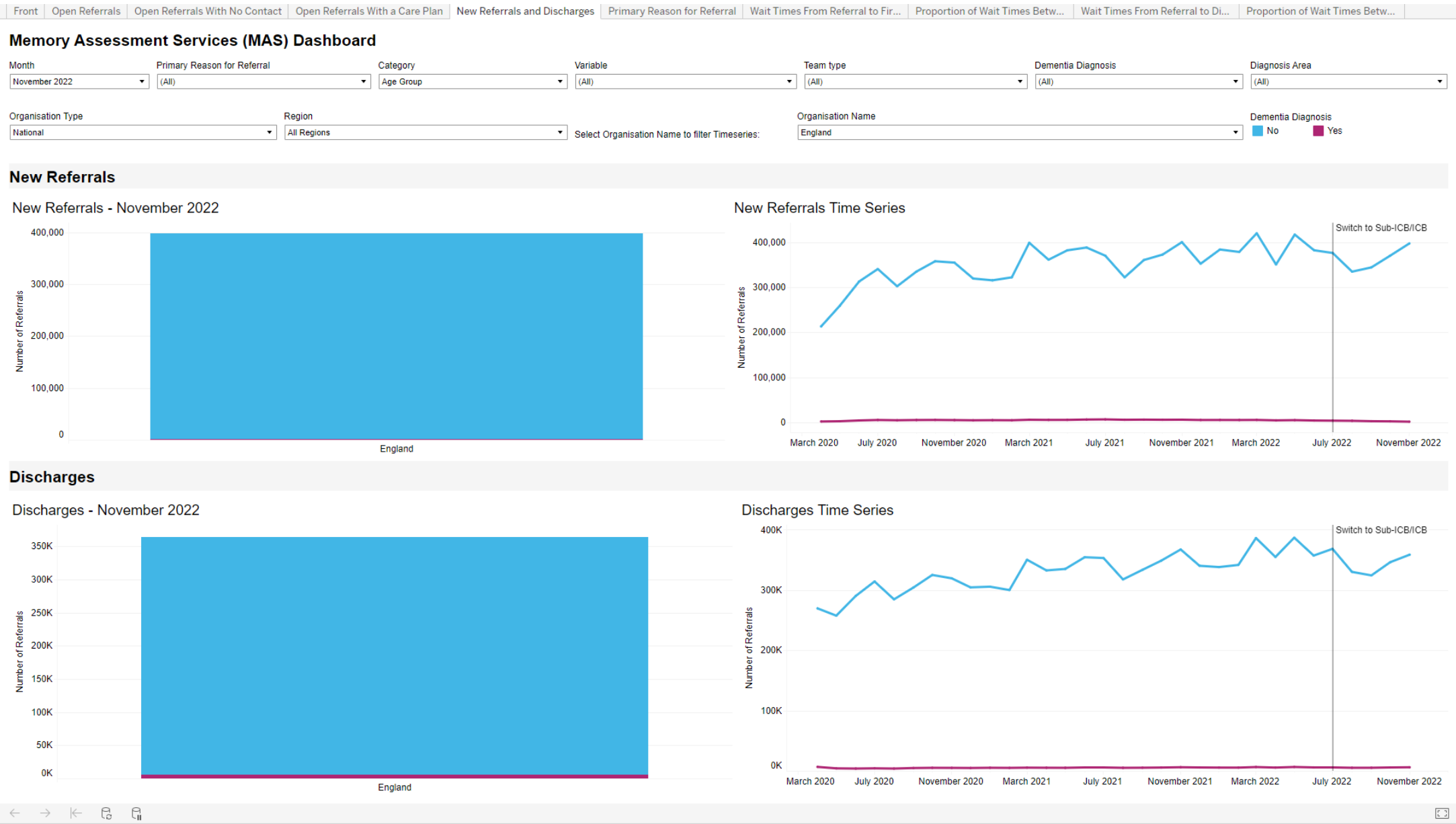
The bar and time series charts to show the number and % of open referrals with a care plan, with and without a diagnosis.

Filters at the top can be used to adjust the data displayed as outlined in slides 10 to 17.

A care plan should be created when a patient has received a diagnosis so we wouldn't expect to see people with a care plan and no diagnosis.

Please note that data for Sub-ICB locations and CCGs has been combined in order to preserve a useful time series. Please note that some boundary changes occurred with this change, so caution should be taken when comparing data from prior to 1st July with data after this data, as indicated on the time series graph.

New Referrals and Discharges Tab



The bar and time series charts to show the number and % of new referrals or discharges, with and without a diagnosis.

Filters at the top can be used to adjust the data displayed as outlined in slides 10 to 17.

Please note that data for Sub-ICB locations and CCGs has been combined in order to preserve a useful time series. Please note that some boundary changes occurred with this change, so caution should be taken when comparing data from prior to 1st July with data after this data, as indicated on the time series graphs.

Primary Reason for Referral Tab

Please see slide 15 in the filters section.

Wait Times From Referral to First Contact Tab

Please note that data for Sub-ICB locations and CCGs has been combined in order to preserve a useful time series. Please note that some boundary changes occurred with this change, so caution should be taken when comparing data from prior to 1st July with data after this data, as indicated on the wait times by month graph.

The box plots on this tab show wait times just for people who have been referred to a Memory Service/Clinic and have an organic brain disorder. Hovering over the box plot will show the maximum, upper quartile, median, lower quartile and minimum wait times.

The box plot at the top shows the wait times from referral to first contact **split by Month** (from **April 2020** to the latest month).

The box plot at the bottom shows the wait times from referral to first contact **split by Organisation** for one month. Use the **Month filter** to change which month is shown.

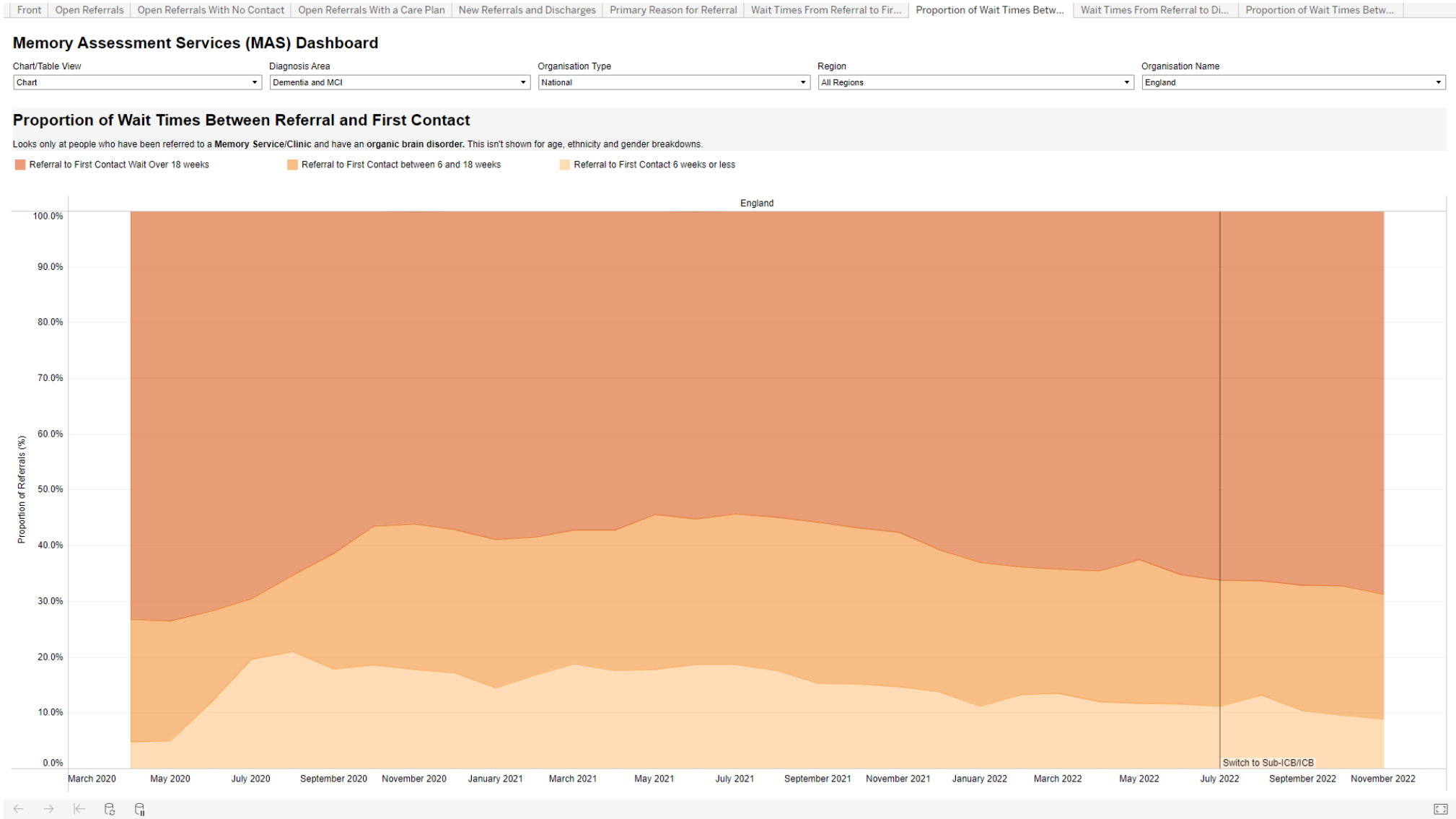
The **Chart/Table View filter** can be used as outlined on slide 17.

Use the **Organisation Type, Region** and **Organisation Name filters** to filter the data displayed as outlined on slide 11.

For a National view select “All” in the **Region filter** and **Organisation Name filter**.

The **Diagnosis Area filter** can be used, as outlined on slide 12.

Proportion of Wait Times Between Referral and First Contact Tab



This tab shows the proportion of referrals that wait 6 weeks or less, between 6 and 18 weeks and over 18 weeks between referral and first contact.

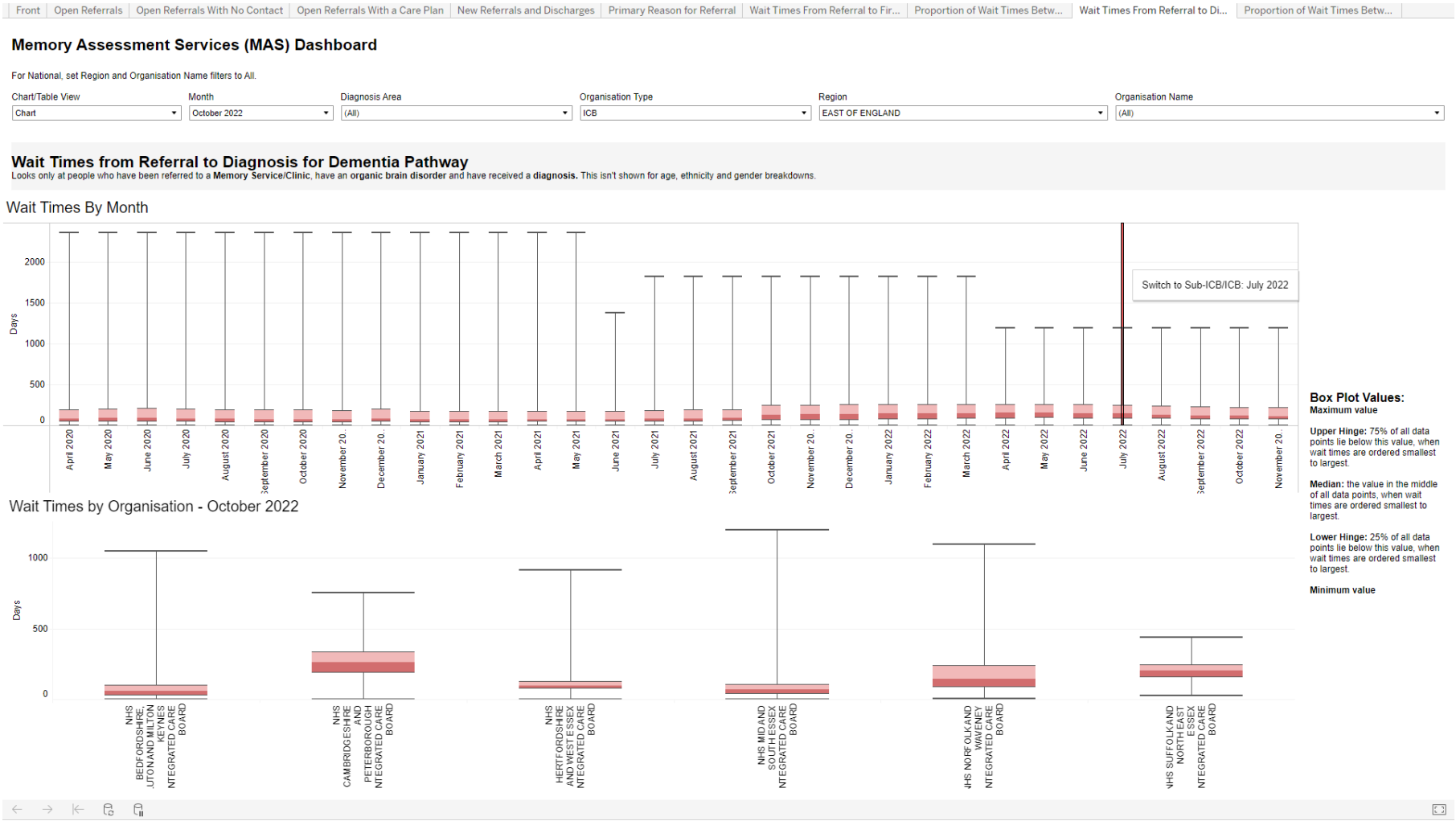
The **Chart/Table View filter** can be used as outlined on slide 17.

Use the **Organisation Type, Region** and **Organisation Name filters** to filter the data displayed as outlined on slide 11.

The **Diagnosis Area filter** can be used, as outlined on slide 12.

Please note that data for Sub-ICB locations and CCGs has been combined in order to preserve a useful time series. Please note that some boundary changes occurred with this change, so caution should be taken when comparing data from prior to 1st July with data after this data, as indicated on the graph.

Wait Times From Referral to Diagnosis Tab



Please note that data for Sub-ICB locations and CCGs has been combined in order to preserve a useful time series. Please note that some boundary changes occurred with this change, so caution should be taken when comparing data from prior to 1st July with data after this data, as indicated on the wait times by month graph.

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The box plot at the top shows the wait times from referral to diagnosis **split by Month** (from **April 2020** to the latest month).

The box plot at the bottom shows the wait times from referral to diagnosis **split by Organisation** for one month. Use the **Month filter** to change which month is shown.

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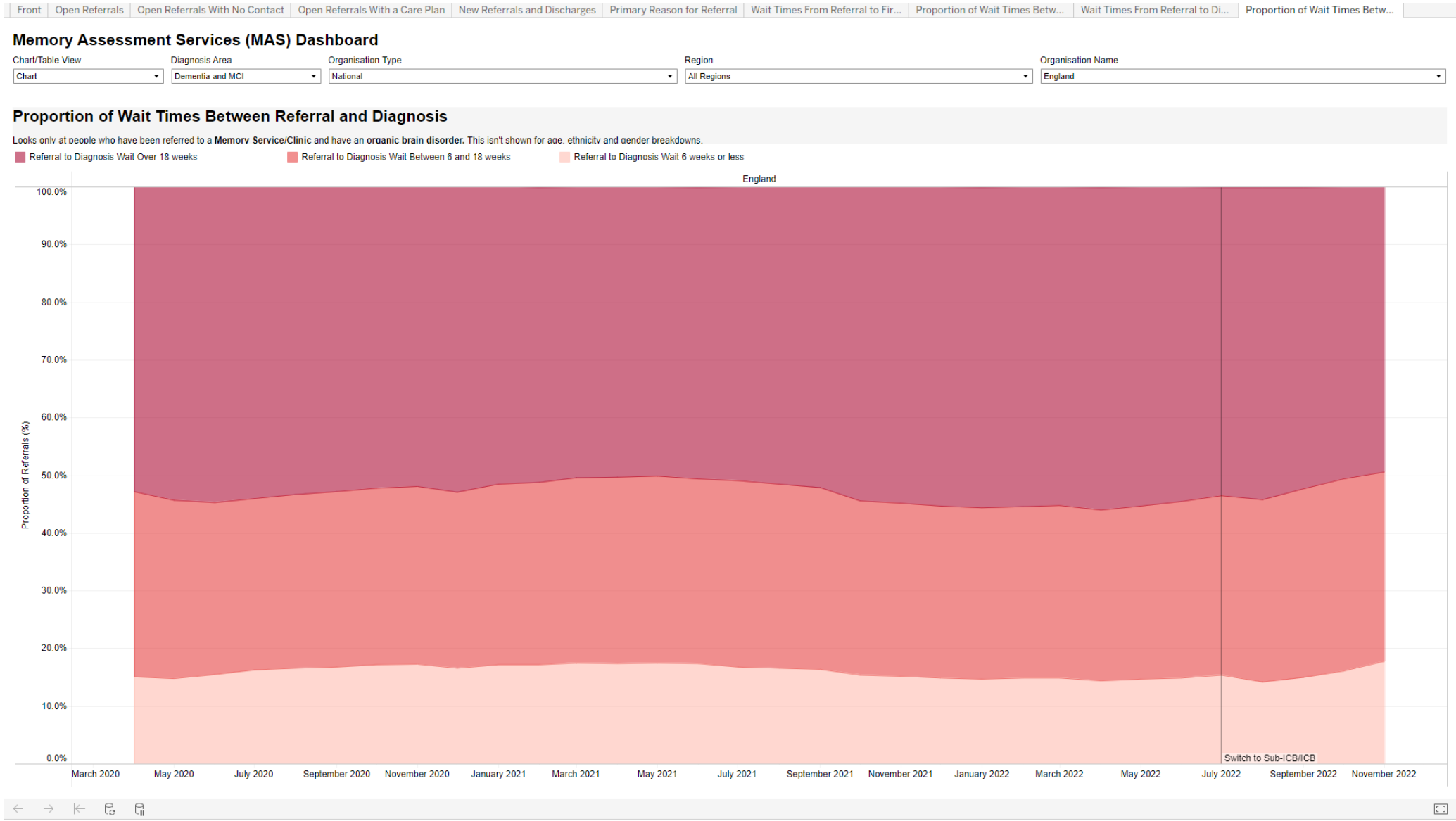
For a National view select “All” in the **Region filter** and **Organisation Name filter**.

The **Diagnosis Area filter** can be used, as outlined on slide 12.

The dementia care pathway outlines people shouldn’t wait more than 6 weeks from referral to a memory assessment service and receiving a diagnosis.

Proportion of Wait Times Between Referral and Diagnosis Tab



This tab shows the proportion of referrals that wait 6 weeks or less, between 6 and 18 weeks and over 18 weeks between referral and diagnosis.

The **Chart/Table View filter** can be used as outlined on slide 17.

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The **Diagnosis Area filter** can be used, as outlined on slide 12.

The dementia care pathway outlines people shouldn't wait more than 6 weeks from referral to a memory assessment service and receiving a diagnosis.

Please note that data for Sub-ICB locations and CCGs has been combined in order to preserve a useful time series. Please note that some boundary changes occurred with this change, so caution should be taken when comparing data from prior to 1st July with data after this data, as indicated on the graph.

Metadata

Indicators

The definitions for the indicators used in the dashboard are:

Count of New Referrals within the reporting period

```
CASE WHEN ReferralRequestReceivedDate BETWEEN
ReportingPeriodStartDate AND ReportingPeriodEndDate THEN 1 ELSE
0 END AS NewRef
```

```
COUNT(DISTINCT CASE WHEN NewRef = 1 THEN s.UniqServReqID ELSE
NULL END) AS NewReferrals
```

Count of Discharges within the reporting period

```
CASE WHEN r.ServDischDate BETWEEN sf.ReportingPeriodStartDate
AND sf.ReportingPeriodEndDate THEN 1 ELSE 0 END AS DischRef
```

```
COUNT(DISTINCT CASE WHEN DischRef = 1 THEN s.UniqServReqID ELSE
NULL END) AS Discharges
```

Count of Open Referrals within the reporting period

```
CASE WHEN r.ServDischDate IS NULL OR r.ServDischDate >
sf.ReportingPeriodEndDate THEN 1 ELSE 0 END AS OpenRef
```

```
COUNT(DISTINCT CASE WHEN OpenRef = 1 THEN s.UniqServReqID ELSE
NULL END) AS OpenReferrals
```

Open Referrals to Memory Services are then obtained in the dashboard by filtering on memory services team type (TEAMTYPE = 'A17')

These can be compared with the NHSD MHSDS metadata definitions for monthly measures:

- MHS23: Open referrals at the end of the reporting period
- MHS23c: Open referrals to memory services team at the end of the reporting period
- MHS32: Referrals starting in reporting period
- MHS57: People discharged from a referral in the reporting period

The definition for the count of discharges used in the dashboard is slightly different to the definition of the equivalent NHSD published monthly figure for MHS57 since it is based on UniqServReqID rather than Person_ID.

Other discrepancies may also occur in the published and dashboard figures due to the way the extracts used in the dashboard are extracted.

Indicators Continued

Count of Open Referrals With No Contact within the reporting period

```
CASE WHEN (r.ServDischDate IS NULL OR r.ServDischDate >
sf.ReportingPeriodEndDate) AND (a1.Der_ContactDate IS NULL
OR a1.Der_ContactDate > sf.ReportingPeriodEndDate)

THEN 1 ELSE 0  END AS Refwaiting1stcontact

COUNT(DISTINCT CASE WHEN Refwaiting1stcontact = 1 THEN
s.UniqServReqID ELSE NULL END) AS OpenWaitingFirstCont
```

There is no equivalent NHSD MHSDS monthly measure for this count of referrals with no contact.

Count of Open Referrals With Care Plan within the reporting period

```
CASE WHEN (r.ServDischDate IS NULL OR r.ServDischDate >
sf.ReportingPeriodEndDate) AND (c.CarePlanCreatDate IS NOT
NULL OR c.CarePlanCreatDate < sf.ReportingPeriodEndDate)

THEN 1 ELSE 0  END AS RefwithCarePlanCreated

COUNT(DISTINCT CASE WHEN RefwithCarePlanCreated = 1 THEN
s.UniqServReqID ELSE NULL END) AS OpenRefwithCarePlanCreated
```

There is no equivalent NHSD MHSDS monthly measure for this count of referrals with care plan.

Dementia/MCI Diagnosis

The split between with and without a diagnosis is based on the columns PrimDiag and SecDiag in MHSDS tables MHS604PrimDiag and MHS606SecDiag. The following codes are used to filter both PrimDiag and SecDiag.

```
WHERE ([PrimDiag] IN

(--Dementia SNOMED codes Page 13 of Dementia Care Pathway Appendices

'F00.0','F00.1','F00.2','F00.9','F01.0','F01.1','F01.2','F01.3','F01.8','F01.9','
F02.0','F02.1','F02.2','F02.3','F02.4','F02.8','F03','F05.1','F000','F001','F002'
,'F009','F010','F011','F012','F013','F018','F019','F020','F021','F022','F023',
'F024','F028','F051'

--This Dagger code is included as it is required in combination with F02.8 to
identify Lewy body disease. We are unable to filter MHSDS for those with both
F02.8 AND G31.8 so have to filter for those with either F02.8 or G31.8

,'G318','G31.8'

--Dementia SNOMED codes Page 14 of Dementia Care Pathway Appendices

,'52448006','15662003','191449005','191457008','191461002','231438001','268612007
','45864009','26929004','416780008','416975007','416975007','429998004','23028500
3','56267009','230286002','230287006','230270009','230273006','90099008','2302800
08','86188000','13092008','21921000119103','429458009','442344002','792004','7130
60000','425390006'

--Dementia SNOMED codes Page 15 of Dementia Care Pathway Appendices

,'713844000','191475009','80098002','312991009','135811000119107','13 5 8110 0
0119107','42769004','191519005','281004','191493005','111480006','1114 8 0 0 0
6','32875003','59651006','278857002','230269008','79341000119107' ,'12348006'
,'421023003','713488003','191452002','65096006','31081000119101','191455000',
'1089501000000102','10532003','191454001','230267005','230268000','230265002'

--Dementia SNOMED codes Page 16 of Dementia Care Pathway Appendices

,'230266001','191451009','1914510 09' ,'22381000119105','230288001','191458003'
,'191459006','191463004','191464005','191465006','191466007','279982005',
'6475002','66108005'

--Dementia Read code v2 on Page 17 of Dementia Care Pathway
Appendices

,'E00..%','E0 0..%','Eu01.%','Eu 01.%','Eu02.%','Eu 02.%' ,'E012.%'
,'Eu00.%','Eu 0 0.%','F110.%','A411.%','A 411.%' ,'E02y1','E041.',
'E0 41.','Eu041','Eu 0 41' ,'F111.','F112.','F116.','F118.','F21y2'
,'A410.','A 410.'

--Dementia CTV3 code on Page 17 of Dementia Care Pathway Appendices

--F110.%, Eu02.%,'E02y1' are in this list but are mentioned in the
read code v2 list

,'XE1Xr%','X002w%','XE1Xs','Xa0sE'

--MCI codes

,'F06.7','F067' --ICD10 codes on Page 13 of Dementia Care Pathway
Appendices

,'386805003' --SNOMED Code on Page 16 of Dementia Care Pathway
Appendices

,'28E0.' --Read code v2 on Page 17 of Dementia Care Pathway
Appendices

,'Xaagi' --CTV3 code on Page 17 of Dementia Care Pathway Appendices

) OR [PrimDiag] LIKE 'F03%')
```

SecDiag is used where a PrimDiag for Dementia/MCI isn't available:

```
CASE WHEN PrimDiag IS NOT NULL THEN PrimDiag ELSE SecDiag

                END AS [Dementia Diagnosis Code]

,CASE WHEN PrimDiag IS NOT NULL THEN 'Primary' ELSE
'Secondary'

                END AS Position
```

Wait Times from Referral to First Contact or Diagnosis for the Dementia Care pathway

Box plot displays for one month:

- Maximum value
- Upper Hinge: 75% of all data points lie below this value, when wait times are ordered smallest to largest.
- Median: the value in the middle of all data points, when wait times are ordered smallest to largest.
- Lower Hinge: 25% of all data points lie below this value, when wait times are ordered smallest to largest.
- Minimum value

These values are calculated from record level tables in tableau.

There is no equivalent NHSD MHSDS monthly measure for wait times from referral to first contact or for wait times from referral to diagnosis.

Proportion of Wait Times Between Referral and First Contact or Diagnosis

Counts for each group of wait times:

```
COUNT(DISTINCT CASE WHEN [WaitRefContact]<=42 THEN [UniqServReqID]
ELSE NULL END) AS ContactUnder6weeksNumber

,COUNT(DISTINCT CASE WHEN [WaitRefContact]>42 AND
[WaitRefContact]<=126 THEN [UniqServReqID] ELSE NULL END) AS
Contact6to18weeksNumber

,COUNT(DISTINCT CASE WHEN [WaitRefContact]>126 THEN [UniqServReqID]
ELSE NULL END) AS ContactOver18weeksNumber

,COUNT(DISTINCT CASE WHEN [WaitRefContact] IS NOT NULL THEN
[UniqServReqID] ELSE NULL END) AS TotalReferralsWithContact

,COUNT(DISTINCT CASE WHEN [WaitRefDiag]<=42 THEN [UniqServReqID] ELSE
NULL END) AS DiagUnder6weeksNumber

,COUNT(DISTINCT CASE WHEN [WaitRefDiag]>42 AND [WaitRefDiag]<=126
THEN [UniqServReqID] ELSE NULL END) AS Diag6to18weeksNumber

, COUNT(DISTINCT CASE WHEN [WaitRefDiag]>126 THEN [UniqServReqID] ELSE
NULL END) AS DiagOver18weeksNumber

,COUNT(DISTINCT CASE WHEN [WaitRefDiag] IS NOT NULL THEN
[UniqServReqID] ELSE NULL END) AS TotalReferralsWithDiag
```

Proportion calculations for each group of wait times:

```
CASE WHEN TotalReferralsWithContact<>0 THEN CAST(
ROUND((ContactUnder6weeksNumber/TotalReferralsWithContact),3)AS FLOAT)
ELSE NULL END AS ContactUnder6weeksProp

,CASE WHEN TotalReferralsWithContact<>0 THEN CAST(
ROUND((Contact6to18weeksNumber/TotalReferralsWithContact),3)AS FLOAT)
ELSE NULL END AS Contact6to18weeksProp

,CASE WHEN TotalReferralsWithContact<>0 THEN CAST(
ROUND((ContactOver18weeksNumber/TotalReferralsWithContact),3)AS FLOAT)
ELSE NULL END AS ContactOver18weeksProp

,CASE WHEN TotalReferralsWithDiag<>0 THEN
CAST(ROUND((DiagUnder6weeksNumber/TotalReferralsWithDiag),3)AS FLOAT)
ELSE NULL END) AS DiagUnder6weeksProp

,CASE WHEN TotalReferralsWithDiag<>0 THEN CAST(
ROUND((Diag6to18weeksNumber/TotalReferralsWithDiag),3)AS FLOAT) ELSE
NULL END) AS Diag6to18weeksProp

,CASE WHEN TotalReferralsWithDiag<>0 THEN CAST(
ROUND((DiagOver18weeksNumber/TotalReferralsWithDiag),3)AS FLOAT)  ELSE
NULL END) AS DiagOver18weeksProp
```

Variables

These are obtained from the following data items in MHSDS:

Age:

```
CASE WHEN AgeServReferRecDate < 65 THEN 'Under65'
                    WHEN AgeServReferRecDate BETWEEN 65 AND 74 THEN '65to74'
                    WHEN AgeServReferRecDate BETWEEN 75 AND 84 THEN '75to84'
                    WHEN AgeServReferRecDate >= 85 THEN '85+'
                            ELSE 'Unknown/Not Stated' END AS 'Variable'
```

Gender:

```
CASE WHEN Gender = '1' THEN 'Males'
                             WHEN Gender = '2' THEN 'Females'
                            ELSE 'Other/Not Stated/Not Known' END AS 'Variable'
```

Ethnicity:

```
CASE WHEN EthnicCategory IN ('A','B','C') THEN 'White'
                            WHEN EthnicCategory IN ('D','E','F','G') THEN 'Mixed'
                            WHEN EthnicCategory IN ('H','J','K','L') THEN 'Asian'
                            WHEN EthnicCategory IN ('M','N','P') THEN 'Black'
                            WHEN EthnicCategory IN ('R','S') THEN 'Other'
                            ELSE 'Not Stated/Not Known' END AS 'Variable'
```

ICBs

Data for ICBs and Regions were derived from the Sub ICB data using the ODS commissioner hierarchies reference table NCDR Reference Library (england.nhs.uk). The following link has information on the change to ICBs: ODS Implementation of Integrated Care Boards from July 2022 - NHS Digital.