

Module 4.4: Generating ROOT reports using the old report viewer

NB Module 4.4 is only relevant to those who are accustomed to using the old report viewer and would prefer to continue using it during the transition to the new version. You should be aware, however, that these reports will be phased out in future.

For further information, contact:

ROOT@rcslt.org

Introduction

- The ROOT aggregates data collected across an SLT service and generates reports on groups of service users for that service to view
- Filters can be applied to the reports to enable the service to drill down to analyse the data at the required level for reporting purposes (e.g. age, diagnosis, date range)
- Reports are anonymised and do not contain any information for fewer than 6 service users
- Benchmarking reports can be generated to enable the SLT service to compare their outcomes with that of the others using the ROOT. Individuals services are not identifiable.

Introduction

- There are three categories of service-level report currently available on the ROOT:
 - General reports
 - Quarterly reports
 - AAC reports
- In response to user feedback, improvements have recently been made to these report types. This module is designed to guide you through using the old versions of the reports.
- **NB: Once the new-style reports have been fully developed and tested, the old-style reports, along with this guidance, will be removed.**

Introduction

- This module is relevant to those using the 'direct data entry' and 'data upload' methods of recording TOMs in the ROOT
- There are additional modules available to support with generating reports:
 - Module 4.1: Generating reports for individual service users
 - Module 4.2: Generating service-level reports: general reports and quarterly reports (using the new report viewer)
 - Module 4.3: Generating service-level reports: AAC (using the new report viewer)

Generating service-level reports (archived)

 RCSLT Online Outcome Tool

Therapy Outcome Measures



[Home](#) | [My Dashboard](#) | [Patients](#) | [Reports](#) | [Resources](#) | [Secure File Upload](#) | [Import Data](#) | [Admin](#)

You are here: [Home](#) → [My Dashboard](#)

Welcome to the ROOT

My Dashboard

Number of draft ratings: 0

[View my recent patients](#)

NEWS

Recent changes to the ROOT

The next time that you log in to use the ROOT, you will be asked to give consent for your personal data to be collected and used in relation to your use of the ROOT, confirm that your details are correct and complete an acceptable use agreement.

Our new Privacy Policy will make it easier for you to find out how we collect, use and protect your personal data in relation to the ROOT. [Click here](#) to view the privacy policy.

Erratum for the TOMs AAC adapted scale

The third edition of Therapy Outcome Measures for Rehabilitation Professionals' (Enderby and John, 2015) details on page 102 that it is necessary to consider and score the activity, participation and well-being without AAC and with AAC. This has not been found to be practical and it has been decided that clients should be rated in the same way as on other

To navigate to the service-level reports, select the **Reports** tab from the menu bar

Generating service-level reports (archived)



Online Outcome Tool

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Therapy Outcome Measures

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Click *View* to view the filter you applied the last time you ran a report. This will be applied to the next report you use.

General Reports

Quarterly Reports

AAC

Archive

General Reports



R01 Change between initial and final TOMs scores across each domain (bar-chart) ****NEW****

B&W Version

Show



R02 Change between initial and final TOMs scores across each domain (pie chart) ****NEW****

B&W Version

Show

Click on the **Archive** tab to view the old report types. It contains the following:

- **General reports** – these reports look at change over time at a service level
- **Quarterly reports** – these reports specifically look at change over time per quarter
- **AAC reports** – these reports have been created to report on change over time when the AAC scale has been used

Generating service-level reports (archived)



Online Outcome Tool

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Therapy Outcome Measures

[Home](#) | [My Dashboard](#) | [Patients](#) | [Reports](#) | [Resources](#) | [Secure File Upload](#) | [Import Data](#)

Click *View* to view the filter you applied the last time you ran a report. This will be applied to the

[General Reports](#)

[Quarterly Reports](#)

[AAC](#)

[Archive](#)

Archive



AAC01 Average (mean) scores at initial and final TOMs ratings across all domains

Advanced
 B&W Version

Show

Average change (mean) in TOMs scales across all impairment domain scores for start and end.



AAC02 Average change between start and end across all domains

Advanced
 B&W Version

Show

Distribution in TOMs scores across all impairment domain scores for start and end.



Q01 Patterns of change, per domain, by quarter (bar chart)

Advanced
 B&W Version

Show

A report showing the number and percentage of individuals who are: showing improvement (up); maintaining level (same); or showing decline (down) in TOMs scores within the individual domains, between initial and final ratings in each quarter.



Q02 Patterns of change, per number of domains affected, by quarter

Advanced
 B&W Version

Show

A report showing the number and percentage of individuals who are: showing improvement (up); maintaining level (same); or showing decline (down) in TOMs scores in a number of domains, from ratings between initial and final ratings in each quarter.

Choose the report you wish to generate and click '**Show**' to return a standard version of the report. This will show in a new tab. There is also the option of generating advanced and black and white versions of each report. This is covered in later slides.

Generating service-level reports (archived)

- The standard versions of the reports on the ROOT allow you to apply some basic parameters to the reports.
- The parameters available vary from report to report, but typically include:
 - **TOMs scale:** this will filter the data according to the TOMs scale(s) used
 - **Primary Communication and Swallowing Disorder Descriptor:** this enables you to focus on the outcomes for particular clinical groups (e.g. aphasia, stammering, dysphagia)
 - **Date range:** selecting a specific date range will return data for service users whose episodes of care finish within this time period. The report will automatically default to the previous 12 month period.




Generating service-level reports (archived)



Apply the parameters by selecting the relevant options from the drop-down options.







Start of reporting period:	<input type="text" value="17/05/2017"/>		Show national:	<input type="text" value="Hide national"/>		<input type="button" value="View Report"/>
End of reporting period:	<input type="text" value="17/05/2018"/>		End of reporting period:	<input type="text" value="17/05/2018"/>		
TOMs scale	<input type="text" value="Augmentative and Alternative C"/>		Communication and swallowing disorder descriptor(s):	<input type="text" value="Not Specified (1),(R13) Dysphag"/>		




Click **View Report**

Generating service-level reports (archived)

Start of reporting period: 09/08/2017  Show national: Show national  End of reporting period: 09/08/2018 

TOMs scale: not specified (Core Scale) (1),Augr  Communication and swallowing disorder descriptor(s): (R13) Dysphagia (1),(R47.0) Dysph 

  1   100%   Find | Next

 **Number** **Outcome Measures for Rehabilitation Professionals** 
Pam Enderby and Alexandra John
Patient Changes Between Admission and Discharge
Report Date Range:  d 09 August 2018

- (Select All)
- not specified (Core Scale) (:
- Augmentative and Alternat
- Autistic Spectrum Disorder
- Child Language Impairmen
- Dysarthria (5)
- Dysphagia (??)

Top tip: drag the corner of the drop-down list to expand

Generating service-level reports (archived)

Navigation: 1 of 2? 100% Find | Next

TOMS : Therapy Outcome Measures for Rehabilitation Professionals
Pam Enderby and Alexandra John

Number and Percentage of Patient Changes Between Admission and Discharge

Report Date Range: Between - Sunday, April 25, 2010 and Wednesday, April 25, 2018

Filter	Data
Gender:	All
Interims:	With or without interims
Matched:	All Data
Age Range:	From: 0 to 150 years.
Primary communication and swallowing disorder descriptor:	Not Specified (49),(R13) Dysphagia (681),(R47.0) Dysphasia and aphasia (251),(R47.1) Dysarthria and anarthria (245),(R48.2) Apraxia (14),(R49.0) Dysphonia (293),(F80.0) Specific speech articulation disorder (15),(F98.5) Stuttering [stammering] (12),(R41.841) Cognitive communication deficit (12),(R13.10) Dysphagia, unspecified (1371)
Comorbidity: Include All Progressive: Include All	
Primary medical diagnosis:	Not Specified (11),Oesophagitis (41),Gastro-oesophageal reflux disease (20),Acute renal failure (5),Chronic kidney disease (12),Urinary tract infection, site not specified (16),Dysphagia (95),Ataxia, unspecified (2),Other symptoms and signs involving cognitive functions and awareness (1),Dysarthria and anarthria (4),Voice disturbances (189),Malaise and fatigue (219),Sepsis, unspecified (21),Atypical virus infections of central nervous system (14),Malignant neoplasm of brain (23),Malignant neoplasm of other and ill-defined sites: Head, face and neck (157),Malignant neoplasm, primary site unspecified (75),Unspecified dementia (556),Unspecified organic or symptomatic mental disorder (37),Intracranial injury (52),Burns of multiple regions, unspecified degree (5),
Comorbidity: Include All Progressive: Include All	

Each report contains a cover sheet, detailing the parameters applied

Reports on cohorts of fewer than 6 patients will not be displayed.

TOMS Scale Not Shown

Due to information governance stipulations TOMS scales with less than 6 patients as a cohort are not shown individually in the graph below they are, however, included in the overall figures if you have selected a combination TOMS scales. Thus if you have made selections (including filters) that result in a TOMS scale with a cohort of less than 5 patients you may only see the PILOT figures. It is possible also possible that this is also the case for the whole PILOT in which case there will be no graphs shown.

Generating service-level reports (archived)

Navigation: 1 of 2? [Next Page Arrow] [Refresh] [Back] [100%] [Print] [Find | Next]

TOMS : Therapy Outcome Measures for Rehabilitation Professionals
Pam Enderby and Alexandra John

Number and Percentage of Patient Changes Between Admission and Discharge

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Comorbidity: Include All Progressive: Include All	

Click the arrow to move to the next page

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Generating service-level reports (archived)



Therapy Outcome Measures for Rehabilitation Professionals - Summary

Therapy Outcome Measures for Rehabilitation Professionals, Third Edition (TOMs) (Enderby and John 2015) is an outcome measure that allows professionals working in health, social care and education to describe the relative abilities of an individual over time in association with interventions.

The TOMs scales address three dimensions of an individual in line with the World Health Organisation's International Classification of Functioning, Disability and Health (WHO, 2001) - impairment, activity and participation – and the well-being of the individual and carer (where appropriate):

- **Impairment** describes the severity of the presenting disorder/condition
- **Activity** looks at the impact of the difficulty on the actions or functions of an individual, indicating levels of dependence and independence
- **Participation** looks at the impact on social participation, interaction and autonomy
- **Wellbeing (individual/carer)** is concerned with emotions, feelings, burden of upset, concern and anxiety, and level of satisfaction

Each domain is rated by the therapist (preferably in consultation with the individual and /or family) on an 11-point ordinal scale with six defined descriptors, ranging from 0 (most severe presentation for the individual's age, sex, culture), to 5 (best possible presentation for the individual's age, sex, culture).

TOMs has been rigorously tested for reliability and clinical validity, enabling the aggregation of data for groups of service users for the purposes of treatment planning, clinical management, audit, benchmarking and research.

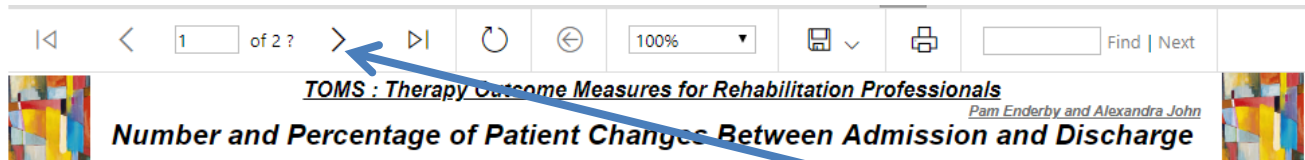
References

Enderby P, John A. (2015) *Therapy outcome measures for rehabilitation professionals*, Third Edition. Guildford: J&R Press Ltd.

World Health Organization (2001) *International Classification of Functioning, Disability and Health (ICF)* Geneva: World Health Organization

Each report contains a summary of Therapy Outcome Measures to provide context to the report for audiences that are not familiar with the measure.

Generating service-level reports (archived)



Therapy Outcome Measures for Rehabilitation Professionals - Summary

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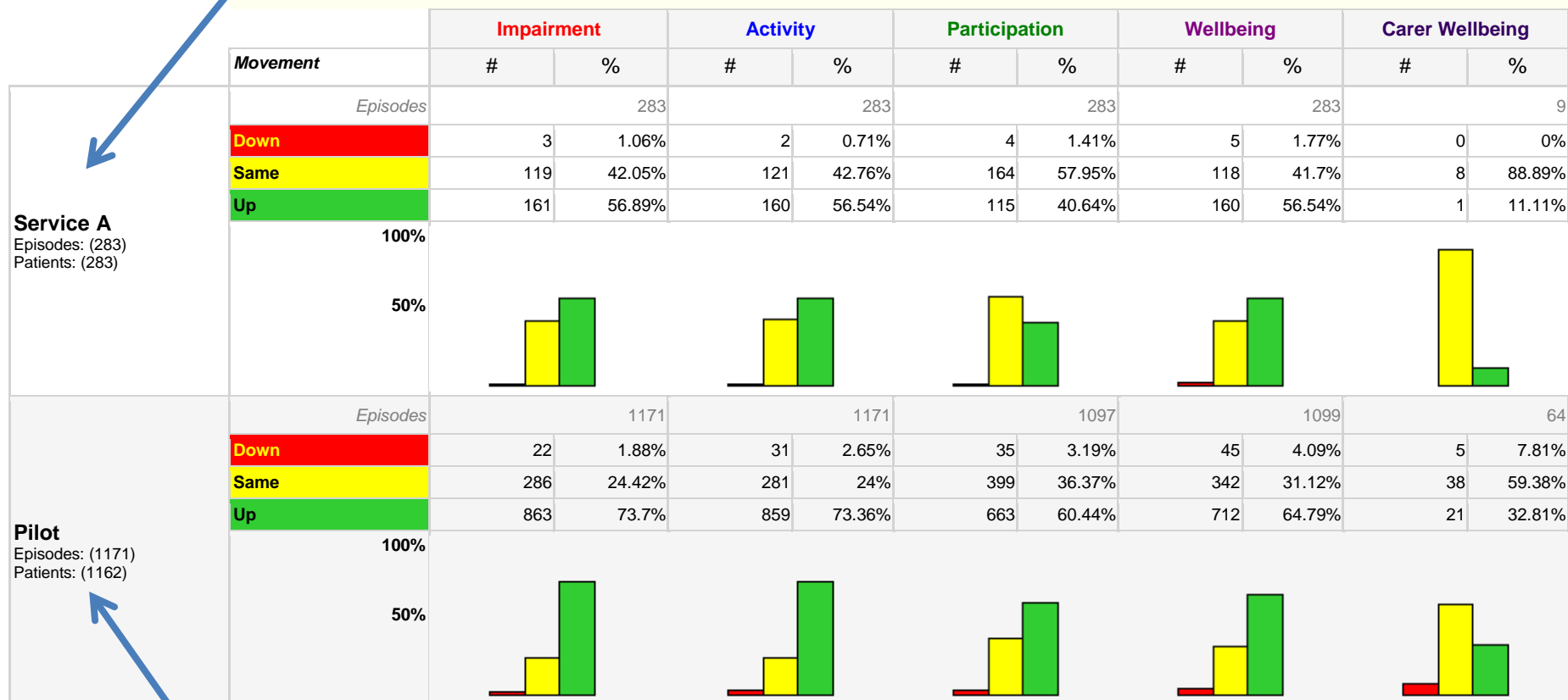
World Health Organization (2001) *International Classification of Functioning, Disability and Health (ICF)* Geneva: World Health Organization

Click the arrow to move to the next page and view the report

Sample data report R01: Change in TOMs scores between initial and final ratings across each domain

Data from your team/service

Change in TOMs scores between admission and discharge across each domain



Comparison data from other teams/services using the ROOT (matched for parameters applied).

Generating service-level reports (archived)

Click here to print

Navigation icons: back, forward, search, refresh, zoom (100%), save, print, find | Next

TOMS : Therapy Outcome Measures for Rehabilitation Professionals

Number and Percentage of Patient Ch

Report Date Range: Between - 20 May 2010 and 20 May 2018

Change in TOMs scores between admission and di

Movement	Impairment		#
	#	%	
Episodes			101
Down	7	6.93%	
Same	39	38.61%	
Up	55	54.46%	

Print

We'll create a printer-friendly PDF version of your report.

Page size:

A4 (210mm x 297mm)

Page orientation:

Landscape

Print

Cancel

RCSLT Test

Episodes: (101)
Patients: (101)



20/05/2018 11:16:01

Page: 3

Generating service-level reports (archived)

Click here to export the report in various formats

Navigation: 3 of 3 | 100% | Find | Next

TOMS : Therapy Outcome Measures for Reha

Number and Percentage of Patient Changes Between Admission and Discharge

Report Date Range: Between - 20 May 2010 and 20 May 2018

Change in TOMs scores between admission and discharge across

Movement	Impairment		Activity		Carer Wellbeing	Carer Wellbeing
	#	%	#	%		
Episodes		101		101		73
Down	7	6.93%	3	2.97%	6	8.22%
Same	39	38.61%	28	27.72%	34	46.58%
Up	55	54.46%	70	69.31%	33	45.21%

RCSLT Test
Episodes: (101)
Patients: (101)

Page: 3

20/05/2018 11:16:01

Export options: Word, Excel, PowerPoint, PDF, TIFF file, MHTML (web archive), CSV (comma delimited), XML file with report data

This option will enable you to annotate the report and/or add an accompanying narrative before printing

Generating service-level reports – advanced and B&W versions (archived)

Each report has the option of:

- **Advanced** – this enables you to apply additional parameters to the reports
- **Black & white version** – this enables you to create a black and white version of the report

Home | My Dashboard | Patients | Reports | Resources | Secure File Upload | Import

General Reports | Quarterly Reports | AAC | Archive

Archive

AAC01 Average (mean) scores at initial and final TOMs ratings across all domains

AAC02 Average change between start and end across all domains

Q01 Patterns of change, per domain, by quarter (bar chart).

Q02 Patterns of change, per number of domains affected, by quarter

Click *View* to view the filter you applied the last time you ran a report. This will be applied to the next report you use.

Archive

Average change (mean) in TOMs scales across all impairment domain scores for start and end.

Distribution in TOMs scores across all impairment domain scores for start and end.

A report showing the number and percentage of individuals who are: showing improvement (up); maintaining level (same); or showing decline (down) in TOMs scores within the individual domains, between initial and final ratings in each quarter.

A report showing the number and percentage of individuals who are: showing improvement (up); maintaining level (same); or showing decline (down) in TOMs scores in a number of domains, from ratings between initial and final ratings in each quarter.

Generating service-level reports (archived)

- The advanced versions of the reports allow you to apply a number of additional parameters to the reports.
- The parameters available vary between different reports, but the additional options include:
 - **Age range**
 - **Gender**
 - **Impairment severity range:** this will return data for service users whose TOMs Impairment score(s) fall between a certain range at the start of the episode of care
 - **Communication and Swallowing Disorder - progressive conditions:** where this has been recorded, this filters the data to 'include' and/or 'exclude' service users with conditions that are progressive

Generating service-level reports (archived)

- **Communication and Swallowing Disorder - comorbidity:** this enables you to include or exclude service users with comorbid conditions
- **Primary Medical Diagnosis:** this enables you to focus on outcomes of those with specific aetiologies (e.g. stroke, cleft palate, ASD)
- **Medical diagnosis - progressive conditions:** where this has been recorded, this filters the data to 'include' and/or 'exclude' service users with conditions that are progressive
- **Medical Diagnosis - comorbidity:** this enables you to include or exclude service users with comorbid conditions
- Unless parameters are applied, the report will default to select all available options.

Generating service-level reports (archived)

Apply the parameters by selecting the relevant options from the drop-down options.

Click View Report

View Report

Age Range High:	<input type="text" value="150"/>	Age Range Low:	<input type="text" value="0"/>
Toms Scale	<input type="text" value="Augmentative and Alternative Cor"/> ▾	Gender	<input type="text" value="All"/> ▾
Interims	<input type="text" value="With or without interims"/> ▾	Medical Diagnosis	<input type="text" value="Unknown (53),(F79) Unspecified n"/> ▾
Impairment Score Low:	<input type="text" value="0.0"/> ▾	Matched:	<input type="text" value="All Data"/> ▾
Medical Diagnosis Comorbidity:	<input type="text" value="Include All"/> ▾	Impairment End	<input type="text" value="5.0"/> ▾
SLT Diagnosis:	<input type="text" value="Unknown (1),(Q35) Cleft palate (8)"/> ▾	Medical Diagnosis Progressive:	<input type="text" value="Include All"/> ▾
SLT Diagnosis Progressive:	<input type="text" value="Include All"/> ▾	SLT Diagnosis comorbidity:	<input type="text" value="Include All"/> ▾
End of reporting period:	<input type="text" value="07/12/2017"/>	Start of reporting period:	<input type="text" value="07/12/2016"/>
User ID	<input type="text"/> <input checked="" type="checkbox"/> NULL	Show National	<input type="text" value="Show National"/> ▾

NEXT STEPS

Next steps

- As this way of generating reports is going to be phased out, please make sure that you begin familiarising yourself with the new-style report viewer (see modules 4.2 and 4.3)
- Contact ROOT@rcslt.org should you have any queries or questions.
- Please let us know what you think. Use the 'Leave Feedback' button on the ROOT to tell us about your experiences of using the tool and to make suggestions for what could be improved.

SAMPLE DATA REPORTS

Sample data report AAC01: TOMs scores at initial and final ratings across each domain

TOMS : Therapy Outcome Measures for Rehabilitation Professionals

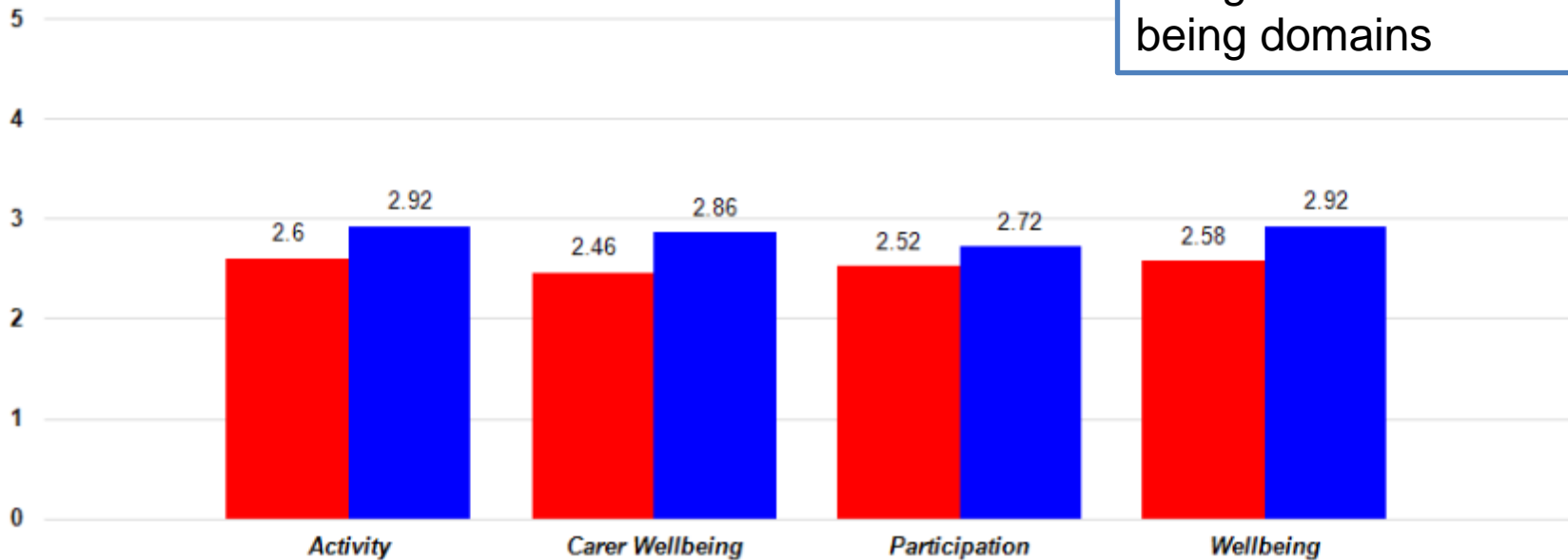
Pam Enderby and Alexandra John

Patient Changes Between Admission and Discharge Across AAC Domains

Report Date Range: Between - Saturday, June 12, 2010 and Tuesday, June 12, 2018

Non Impairment Domains

Start Episodes: (25) Patients: (25) End Episodes: (25) Patients: (25)



Page 1 of the report displays the data for the Activity, Participation, Well-being and Carer Well-being domains

Sample data report AAC01: TOMs scores at initial and final ratings across each domain

Navigation: 2 of 2 | 100% | Find | Next

TOMS : Therapy Outcome Measures for Rehabilitation Professionals
Pam Enderby and Alexandra John

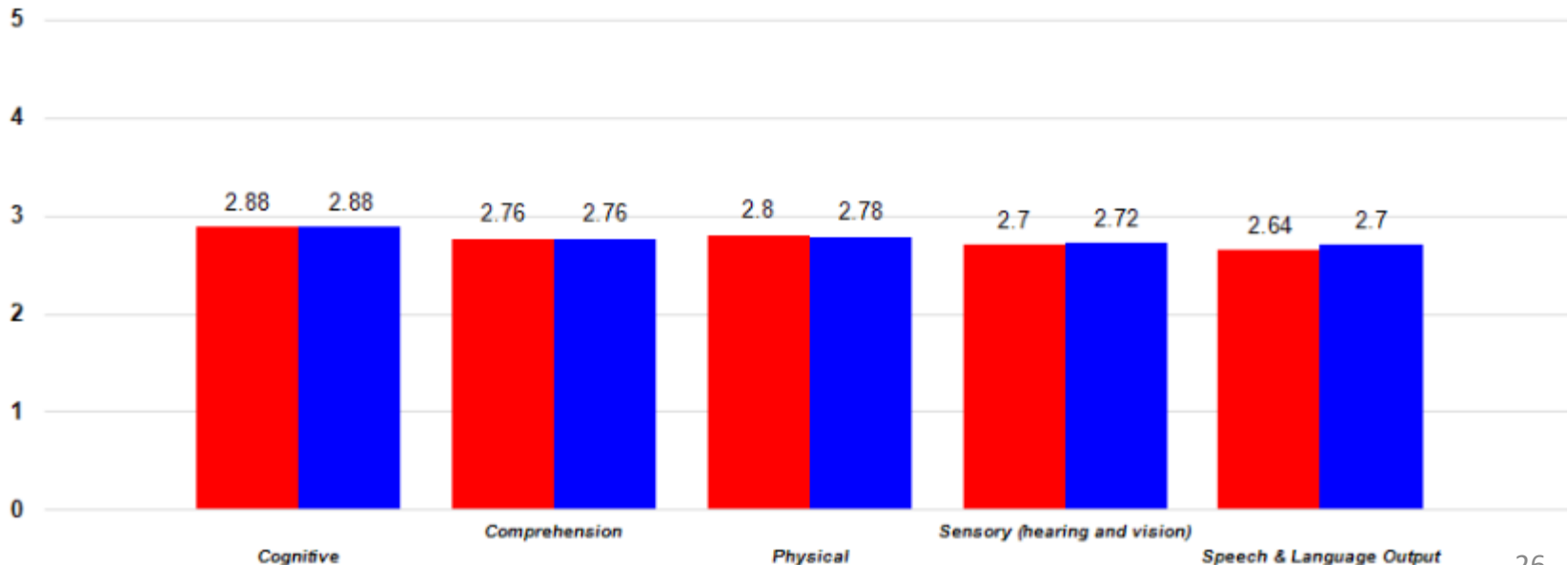
Patient Changes Between Admission and Discharge Across AAC Domains

Report Date Range: Between - Saturday, June 12, 2010 and Tuesday, June 12, 2018

Select page 2 of the report to view changes in the sub-domains of Impairment

Impairment Domains

Start Episodes: (25) Patients: (25) End Episodes: (25) Patients: (25)

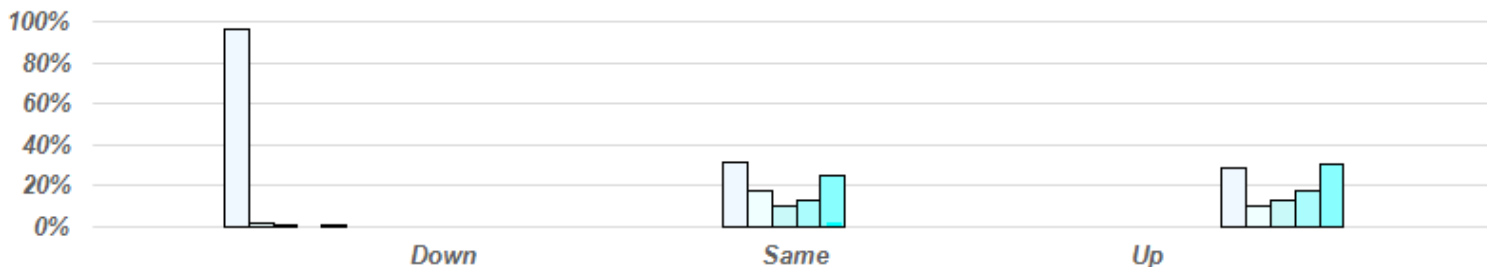


Sample data report R02: Change in TOMs scores between initial and final ratings across multiple domains

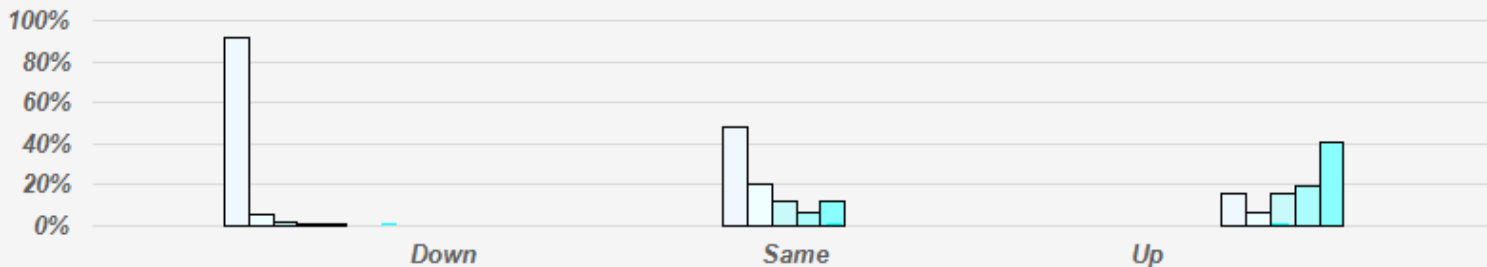
Change in TOMs scores between admission and discharge across multiple domains

	In All Five Domains		In Four Domains		In Three Domains		In Two Domains		In One Domain		In No Domains	
	#	%	#	%	#	%	#	%	#	%	#	%
	Down	0	0%	1	0.35%	0	0%	2	0.7%	6	2.1%	277
Same	6	2.1%	71	24.83%	37	12.94%	30	10.49%	51	17.83%	91	31.82%
Up	0	0%	87	30.42%	51	17.83%	36	12.59%	30	10.49%	82	28.67%

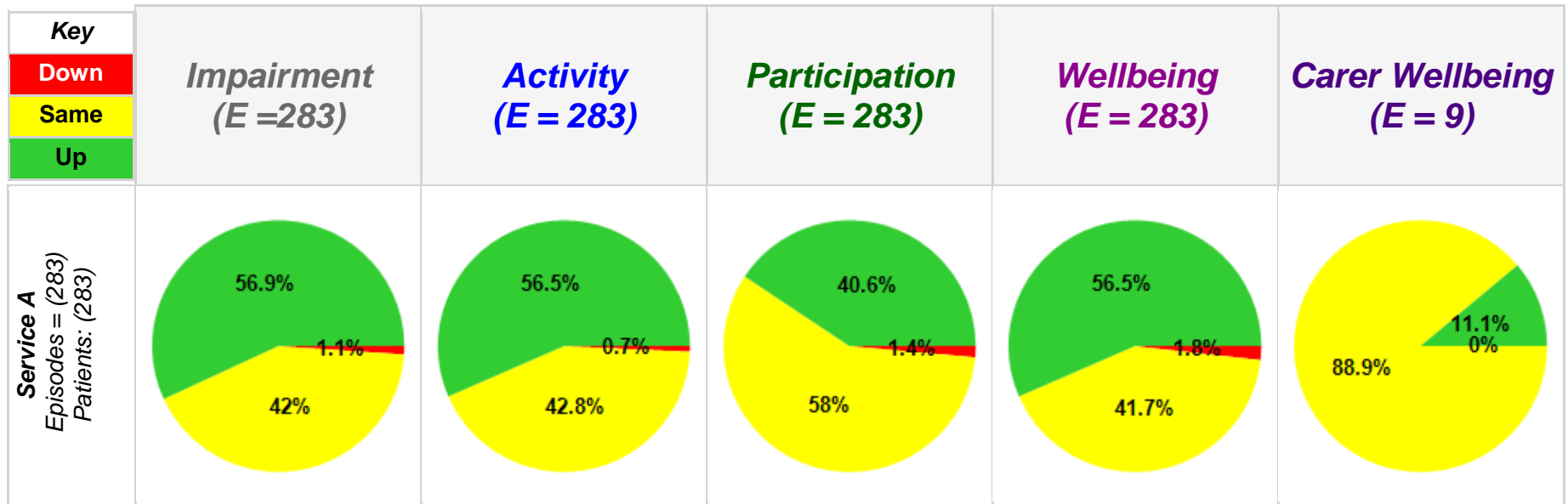
Service A
Episodes: (286)
Patients: (286)



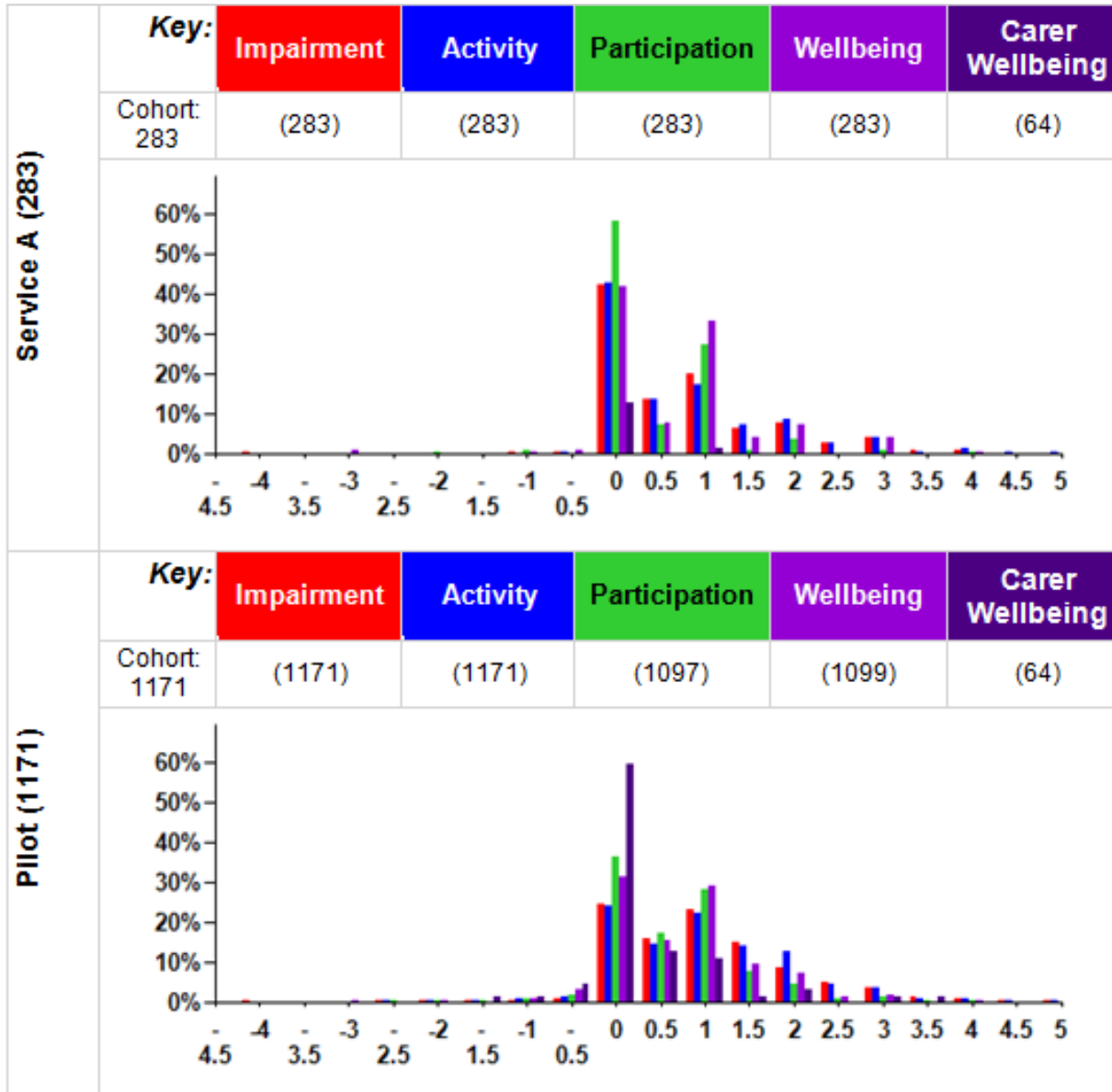
Pilot
Episodes: (1174)
Patients: (1165)



Sample data report R03: Change in TOMs scores between initial and final ratings across each domain



Sample data report R04: Distribution of change in TOMs scores between initial and final rating across each domain



Sample data report R05: Average change in TOMs scores between initial and final rating across each domain

Service A	Average Type	Impairment			Activity			Participation			Wellbeing			Carer Wellbeing		
		Start	End	Change	Start	End	Change	Start	End	Change	Start	End	Change	Start	End	Change
All Toms Scales Episodes: (2551) Patients: (2551)	Mean	2.66	3.58	0.92	2.72	3.57	0.85	2.87	3.27	0.4	3.18	3.74	0.55	2.99	4.13	1.15
	Median	2.5	2.5	1	2.5	2.5	1	2.5	3	1	2.5	3	1	2.5	3	1
														.	.	
Aphasia/Dysphasia Episodes: (221) Patients: (221)	Mean	2.22	2.98	0.75	2.39	3.16	0.77	2.32	3.07	0.76	2.76	3.49	0.73	2.43	3.35	1
	Median	2.5	2.5	1.5	2.5	2.5	1.5	2.5	2.5	1.5	2.5	2.5	0.75	2.5	2.5	0.75
														.	.	
Cognition Episodes: (7) Patients: (7)	Mean	2.64	2.57	-0.07	2.43	2.21	-0.21	2	1.79	-0.21	3	3	0	3.5	4	0.5
	Median	2.5	2.5	0.25	2	2.25	0	2	2	0	2	2	0	2	2	0
														.	.	
Core Scale Episodes: (31) Patients: (31)	Mean	2.52	3	0.48	2.81	3.19	0.39	3.06	3.31	0.24	2.84	3.37	0.53	3.11	3.33	0.17
	Median	2.5	2.5	1	2.25	3	0.75	2.5	3	0.75	2.75	2.75	1	2.75	2.75	1