

1-1-2016

AROC ambulatory report Anywhere Hospital January 2015 - December 2015

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Recommended Citation

Capell, Jacquelin T.; Simmonds, Frances D.; and Snoek, Milena, "AROC ambulatory report Anywhere Hospital January 2015 - December 2015" (2016). *Australian Health Services Research Institute*. 806.
<https://ro.uow.edu.au/ahsri/806>

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Publication Details

J. T. Capell, F. D. Simmonds & M. Snoek, AROC ambulatory report Anywhere Hospital January 2015 - December 2015 (Australian Health Services Research Institute, University of Wollongong Australia, 2016).



AROC Ambulatory Report

Anywhere Hospital

January 2015 - December 2015





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Definition of ambulatory rehabilitation

- Starts with a multi-disciplinary assessment
- Is multi-disciplinary, although all therapies may not necessarily be delivered concurrently
- Is goal oriented – includes goal setting and review
- The program of care is time limited
- Is delivered in an ambulatory setting, either centre or community based

Ambulatory rehabilitation may occur as:

- The continuation of an inpatient episode of rehabilitation
- A rehabilitation program provided solely in an ambulatory setting

AROC ambulatory data collection

- The AROC dataset includes items that relate specifically to evaluating the efficacy of ambulatory rehabilitation programs
- Data is collected to reflect the program of rehabilitation, thus an 'episode' is defined by the initial and final service contact
- The challenge in developing the data set was to include an outcome tool that could best address the diverse range of service models and impairment groups represented in ambulatory rehabilitation, with a minimum burden on resources
- The over-arching outcome tool included in the dataset is the Australian Modified Lawton's Instrumental Activities of Daily Living (IADL) scale
- Over time other impairment or discipline specific outcomes tools may be added to the dataset to provide more outcome specificity by cohort
- V4 of the AROC dataset was introduced on 1 July 2012
- V1 AROC data items have been mapped to the V4 AROC dataset
- The item "Level of Support" (V1) has been replaced by two data items (V4) that unpack two concepts:
 - Carer status
 - Services received

Data exclusions

- Demographic and episode start information is reported for all episodes
- An episode is considered "complete" for the purpose of calculating outcome statistics in this report when mode of episode end is discharged to final or interim destination
- Outcome measures are based on completed episodes, as defined above, however the volume of reported data may be further reduced if data items are missing
- This report utilises only pathway 4 data (ambulatory direct care)

Interpretation of results

- This descriptive report includes analysis of data that has been collected by your service, and the combined submitted data of all participating ambulatory rehabilitation services
- Where sufficient data for an impairment group is available (≥ 5 valid episodes), AROC provides comparison analysis
- The data presented in this report represents a small proportion of all ambulatory rehabilitation services and models of service delivery. Interpretation of these results must be made with care as this is not a benchmark report

Ambulatory episodes by pathway

Pathway	Your Service 2015	Your Service 2014	All Submitting Services 2015
	N	N	N
4 - Ambulatory Direct Care	885	860	8,495
5 - Ambulatory Shared Care	0	0	1
6 - Ambulatory Shared Care /One Off Assessment	14	20	136
All ambulatory pathways	899	880	8,632

Completeness of data reported to AROC

Number of episodes reported each month by Anywhere Hospital

Do these numbers look like a complete year was submitted?

Month	No. episodes
January	47
February	61
March	78
April	74
May	89
June	79
July	80
August	82
September	73
October	87
November	67
December	82
Full year (2015)	899

Quality of data reported

Completeness of data items collected by Anywhere Hospital (2015)

AROC ambulatory data set items	Item collected		AROC ambulatory data set items	Item collected		AROC ambulatory data set items	Item collected	
	N	%		N	%		N	%
Path	899	100.0	First direct care episode	887	98.7	Final destination	846	94.1
Facility identifier	899	100.0	Team plan date	868	96.6	Employment post episode	168	18.7
Ward identifier ¹	750	83.4	Onset date or time since onset	882	98.1	Carer status post episode	832	92.5
Ward name ¹	735	81.8	Date of relevant acute episode ²	620	69.0	Services received post episode	835	92.9
Person identifier (MRN)	899	100.0	Mode of episode start	885	98.4	Services post episode specified	227	25.3
Letters of name	880	97.9	AROC impairment code	899	100.0	Spinal Cord Injury	0	
Date of birth	899	100.0	Accommodation during episode	883	98.2	Level of SCI - start	0	0.0
Date of birth flag	885	98.4	Carer status during episode ²	883	98.2	Level of SCI - end	0	0.0
Sex	899	100.0	Services received during episode ²	885	98.4	Ventilator dependent	0	0.0
Indigenous status	887	98.7	Services during episode specified	370	41.2	Amputation	9	
State	898	99.9	Lawton's assessment date - start	895	99.6	Frailty	7	77.8
Postcode	899	100.0	Lawton's scores - start	895	99.6	Date ready for casting ²	6	66.7
Funding	899	100.0	Lawton's assessment date - end	877	97.6	Phase of amputee care - start	7	77.8
Payer	658	100.0	Lawton's scores - end	878	97.7	Phase of amputee care - during ²	7	77.8
Interpreter	887	98.7	Existing comorbidities	881	98.0	Phase of amputee care - end	7	77.8
Referral date	898	99.9	Comorbidities specified	221	100.0	Prosthetic device fitted	7	77.8
Assessment date	898	99.9	Staff types	870	96.8	Date first prosthetic fitted ²	6	85.7
Clinically rehab ready date	896	99.7	Days seen	885	98.4	Prosthetic delay ²	1	14.3
Start delay	899	100.0	Occurrences of service	885	98.4	Timed up and go test	6	66.7
Start delay reason(s)	147	100.0	Clinically discharge ready date	848	94.3	Six minute walk test ¹	4	44.4
Episode start date	899	100.0	End delay	883	98.2	Ten metre walk test ¹	5	55.6
Accommodation prior to episode	885	98.4	End delay reason(s)	29	96.7	Reconditioning	70	
Carer status prior to episode	875	100.0	Discharge plan	883	98.2	Frailty	61	87.1
Services received prior to episode	875	100.0	Episode end date	899	100.0	Fallen in last 12 months	63	90.0
Prior services specified	260	100.0	Mode of episode end	883	98.2	Weight loss > 10%	63	90.0
Employment prior to episode	883	98.2	Interim destination	8	114.3	Overall quality score	92.9	

(1) These data items are optional

(2) Not included in overall data quality score

N.B. contact AROC for case listings of missing data items



Demographic Data

The following section provides demographic data. These data are presented at service and national levels.

Such data are useful to provide context to the more detailed analysis of rehabilitation outcomes, but in themselves are not impacted by clinical practice.

Measures included here are:

- Distribution of services and episodes..... 11
- Episode source..... 16
- Age..... 20
- Comorbidities..... 22

Distribution of services and episodes

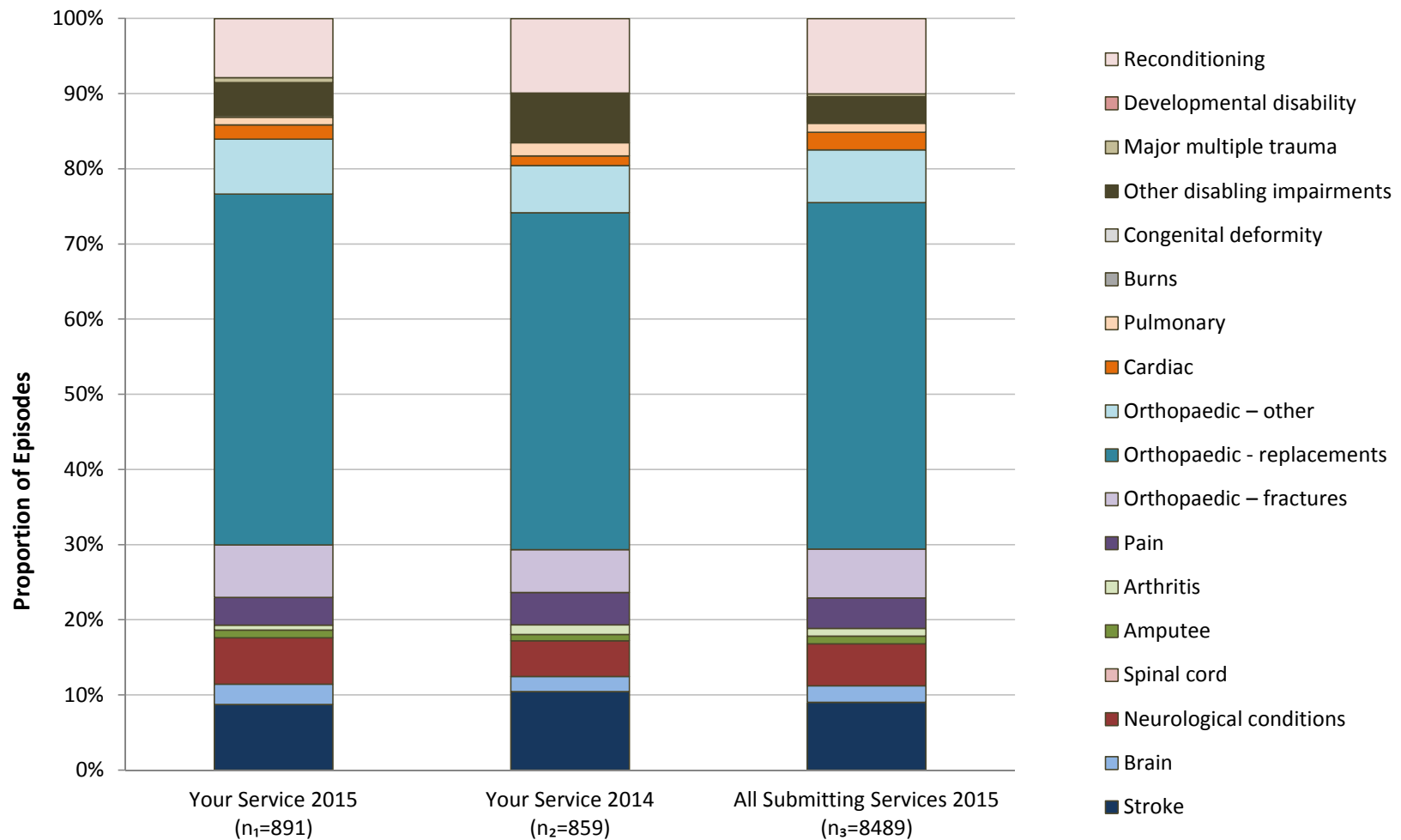
Ambulatory Submitting Services 2015	Public N	Private N	Total N
NSW	5	14	19
VIC	0	2	2
SA	10	1	11
ACT	0	1	1
QLD	1	6	7
TAS	2	1	3
WA	0	1	1
All Submitting Services	18	26	44

Ambulatory Number of Episodes 2015	Public N	Private N	Total N
NSW	457	3,904	4,361
VIC	0	1,391	1,391
SA	921	499	1,420
ACT	0	556	556
QLD	240	233	473
TAS	61	2	63
WA	0	231	231
All Episodes	1,679	6,816	8,495

Episodes by impairment group

Impairment group	Your Service 2015		Your Service 2014		All Submitting Services 2015	
	N	%	N	%	N	%
Stroke	78	8.8	90	10.5	767	9.0
Brain	24	2.7	17	2.0	186	2.2
Neurological conditions	55	6.2	41	4.8	473	5.6
Spinal cord	0	0.0	0	0.0	<5	-
Amputee	9	1.0	7	0.8	87	1.0
Arthritis	6	0.7	11	1.3	89	1.0
Pain	33	3.7	37	4.3	344	4.1
Orthopaedic – fractures	62	7.0	49	5.7	551	6.5
Orthopaedic - replacements	416	46.7	385	44.8	3,911	46.1
Orthopaedic – other	65	7.3	54	6.3	598	7.0
Cardiac	17	1.9	11	1.3	196	2.3
Pulmonary	9	1.0	15	1.7	103	1.2
Burns	0	0.0	0	0.0	<5	-
Congenital deformity	2	0.2	0	0.0	7	0.1
Other disabling impairments	39	4.4	56	6.5	293	3.5
Major multiple trauma	6	0.7	1	0.1	31	0.4
Developmental disability	0	0.0	0	0.0	<5	-
Reconditioning	70	7.9	85	9.9	851	10.0
Missing	0		1		4	
All Impairments	891	100.0	860	100.0	8,493	100.0

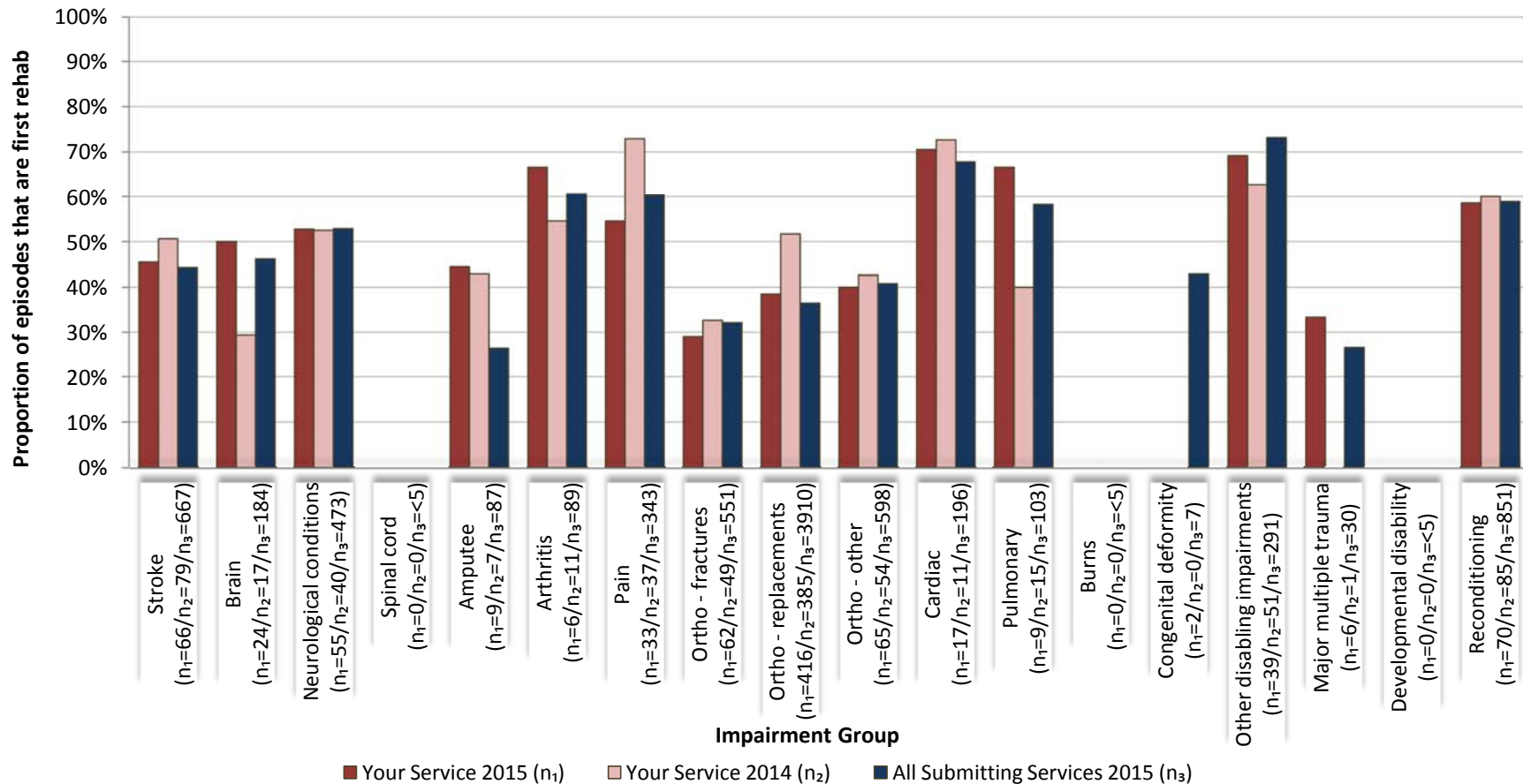
Distribution of episodes by impairment group



First direct care rehabilitation episode by impairment group

Impairment group	Your Service 2015			Your Service 2014			All Submitting Services 2015		
	First Rehab N	Total N	First Rehab %	First Rehab N	Total N	First Rehab %	First Rehab N	Total N	First Rehab %
Stroke	30	66	45.5	40	79	50.6	295	667	44.2
Brain	12	24	50.0	5	17	29.4	85	184	46.2
Neurological conditions	29	55	52.7	21	40	52.5	250	473	52.9
Spinal cord	0	0	-	0	0	-	<5	<5	-
Amputee	4	9	44.4	3	7	42.9	23	87	26.4
Arthritis	4	6	66.7	6	11	54.5	54	89	60.7
Pain	18	33	54.5	27	37	73.0	207	343	60.3
Orthopaedic – fractures	18	62	29.0	16	49	32.7	177	551	32.1
Orthopaedic - replacements	160	416	38.5	199	385	51.7	1,426	3,910	36.5
Orthopaedic – other	26	65	40.0	23	54	42.6	244	598	40.8
Cardiac	12	17	70.6	8	11	72.7	133	196	67.9
Pulmonary	6	9	66.7	6	15	40.0	60	103	58.3
Burns	0	0	-	0	0	-	<5	<5	-
Congenital deformity	0	2	0.0	0	0	-	3	7	42.9
Other disabling impairments	27	39	69.2	32	51	62.7	213	291	73.2
Major multiple trauma	2	6	33.3	0	1	0.0	8	30	26.7
Developmental disability	0	0	-	0	0	-	<5	<5	-
Reconditioning	41	70	58.6	51	85	60.0	501	851	58.9
Missing	0	12		1	17		1	111	
All Impairments	389	891	44.3	438	859	51.9	3,742	8,632	43.9

First direct care rehabilitation episode by impairment group

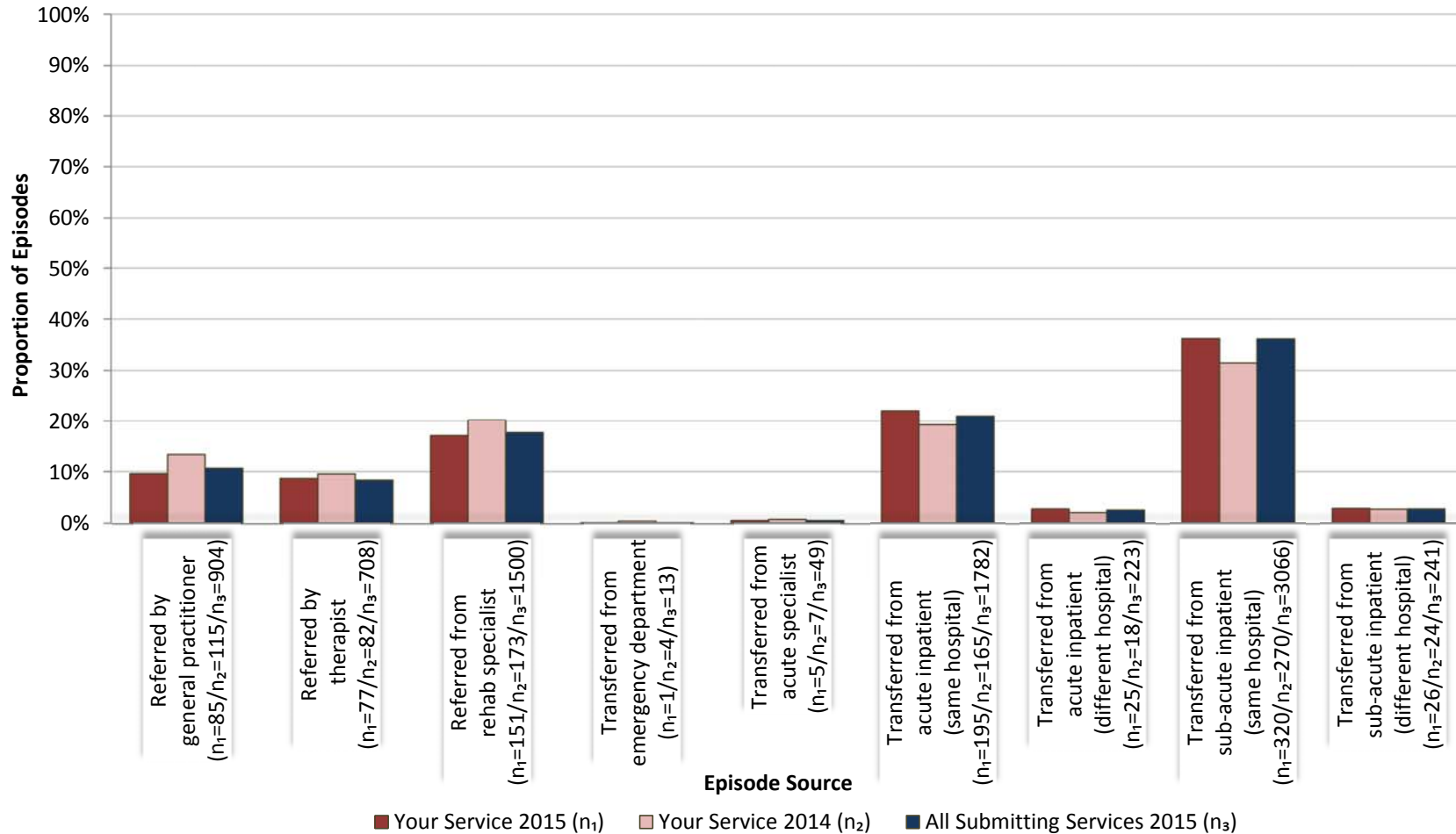




Episode source

Episode Source	Your Service 2015		Your Service 2014		All Submitting Services 2015	
	N	%	N	%	N	%
Referred by general practitioner	85	9.6	115	13.4	904	10.7
Referred by therapist	77	8.7	82	9.6	708	8.3
Referred from rehab specialist	151	17.1	173	20.2	1,500	17.7
Transferred from ED	1	0.1	4	0.5	13	0.2
Transferred from acute specialist	5	0.6	7	0.8	49	0.6
Transferred from acute inpatient (same hospital)	195	22.0	165	19.2	1,782	21.0
Transferred from acute inpatient (different hospital)	25	2.8	18	2.1	223	2.6
Transferred from sub-acute inpatient (same hospital)	320	36.2	270	31.5	3,066	36.1
Transferred from sub-acute inpatient (different hospital)	26	2.9	24	2.8	241	2.8
Missing	0		2		10	
All Episodes	885	100.0	860	100.0	8,496	100.0

Distribution of episode source

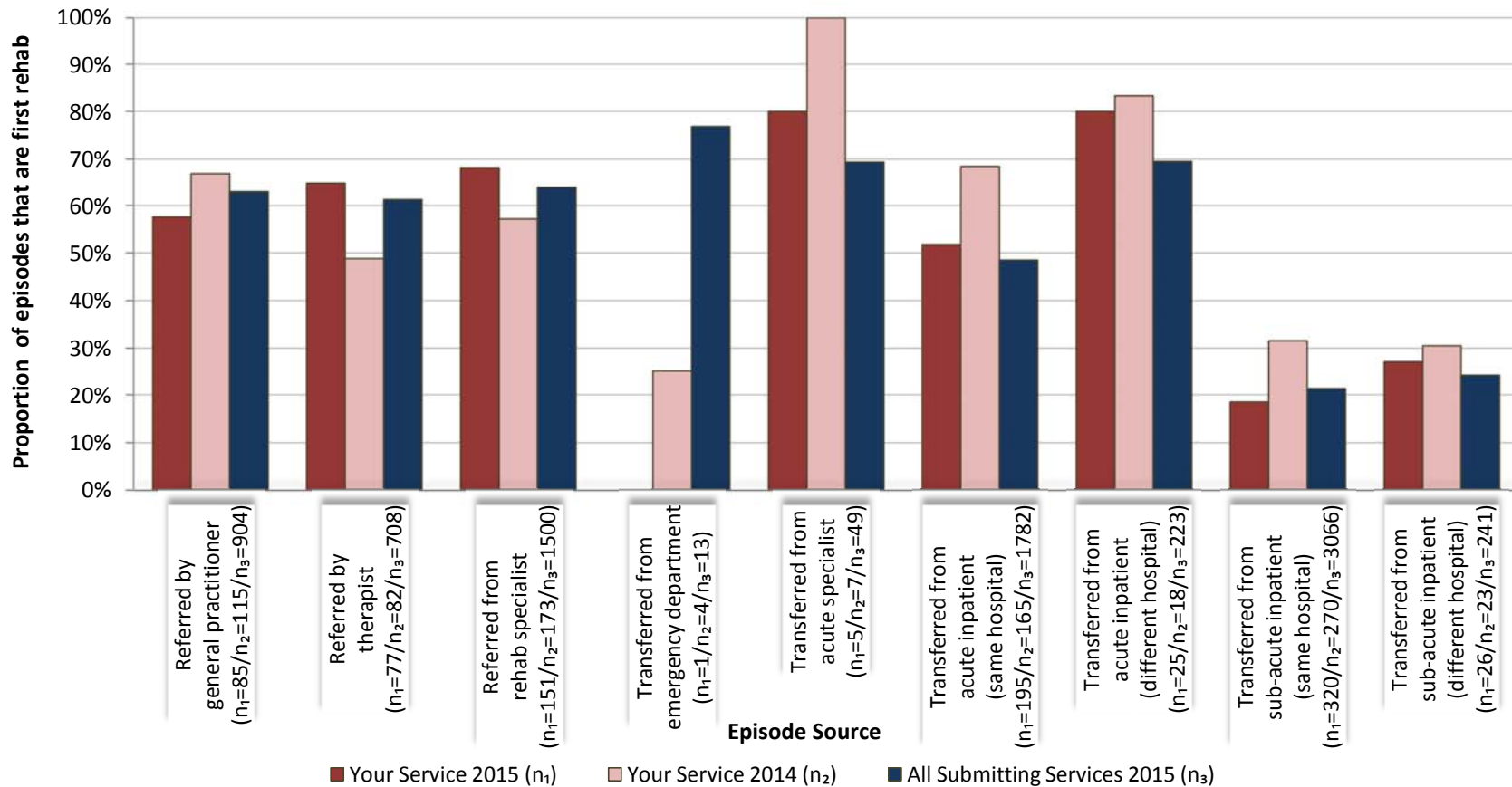




First direct care rehabilitation episode by episode source

Episode source	Your Service 2015			Your Service 2014			All Submitting Services 2015		
	First Rehab N	Total N	First Rehab %	First Rehab N	Total N	First Rehab %	First Rehab N	Total N	First Rehab %
Referred by general practitioner	49	85	57.6	77	115	67.0	571	904	63.2
Referred by therapist	50	77	64.9	40	82	48.8	434	708	61.3
Referred from rehab specialist	103	151	68.2	99	173	57.2	961	1,500	64.1
Transferred from emergency department	0	1	0.0	1	4	25.0	10	13	76.9
Transferred from acute specialist	4	5	80.0	7	7	100.0	34	49	69.4
Transferred from acute inpatient (same hospital)	101	195	51.8	113	165	68.5	864	1,782	48.5
Transferred from acute inpatient (different hospital)	20	25	80.0	15	18	83.3	155	223	69.5
Transferred from sub-acute inpatient (same hospital)	59	320	18.4	85	270	31.5	652	3,066	21.3
Transferred from sub-acute inpatient (different hospital)	7	26	26.9	7	23	30.4	58	241	24.1
Missing	0	14		1	6		3	146	
Total	393	899	44.4	445	863	51.8	3,742	8,632	43.9

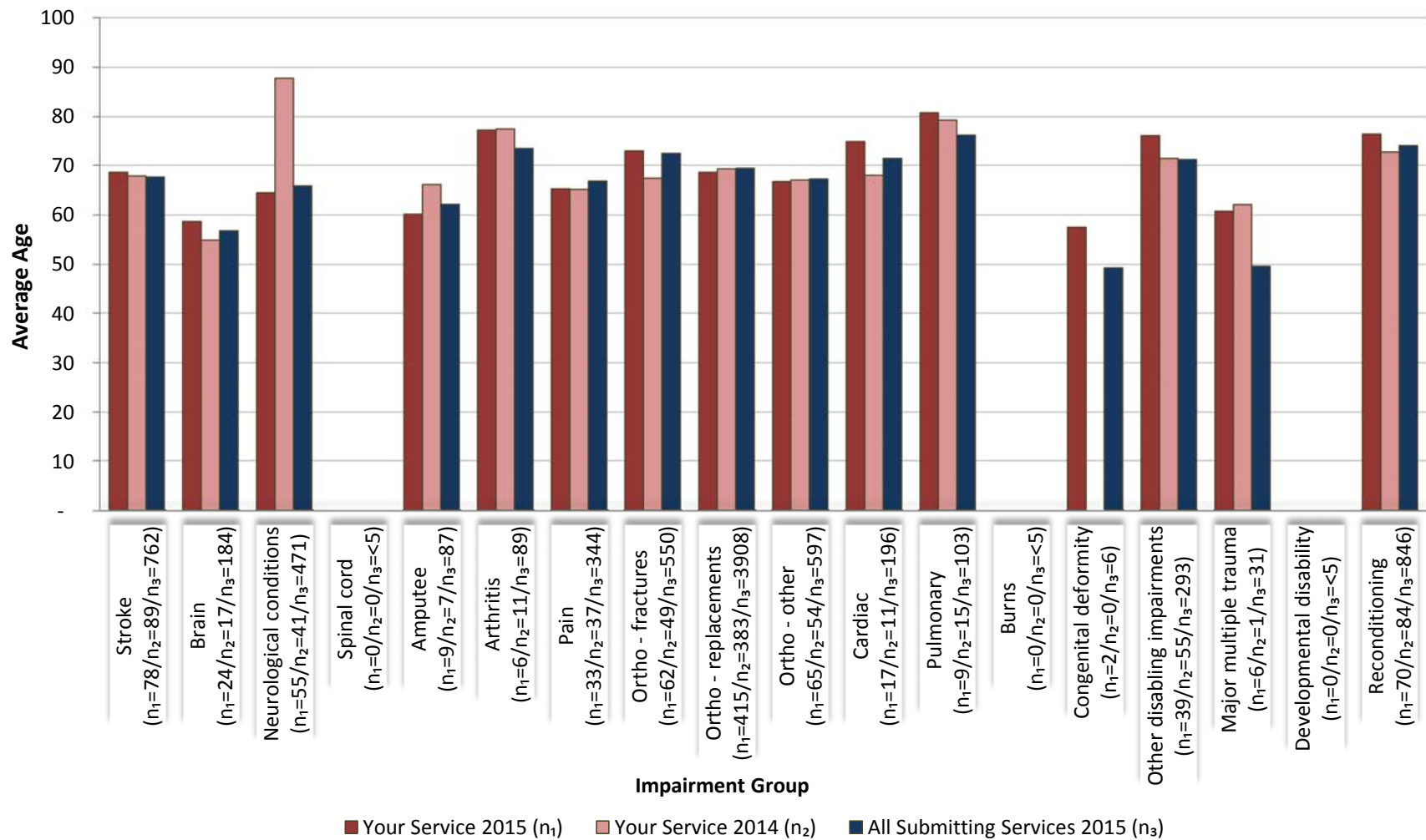
First direct care rehabilitation episode by episode source



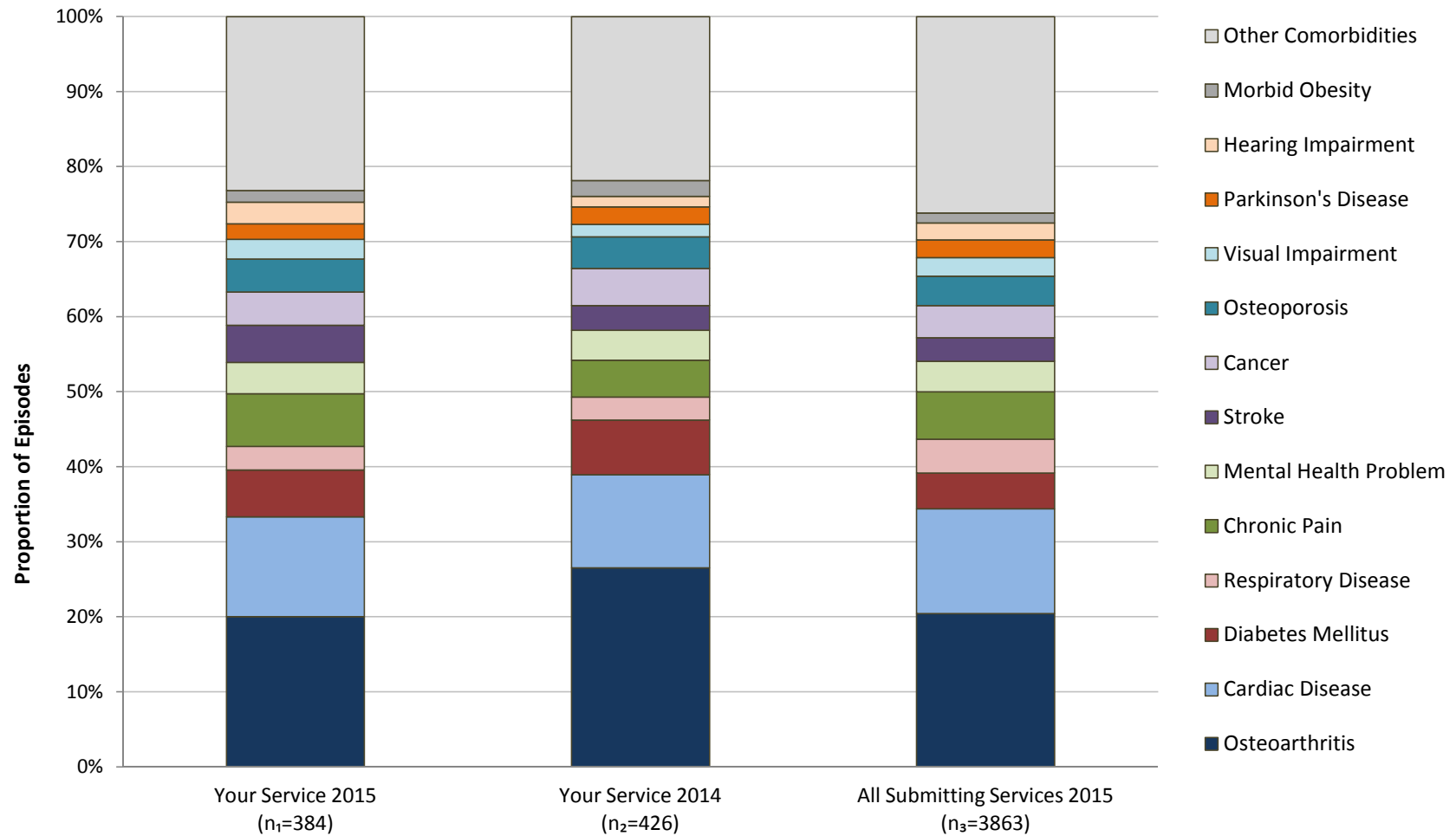
Age by impairment group

Impairment group	Your Service 2015			Your Service 2014			All Submitting Services 2015		
	N	Mean	95% CI	N	Mean	95% CI	N	Mean	95% CI
Stroke	78	68.6	(64.8 - 71.2)	89	67.8	(64.2 - 69.8)	762	67.6	(66.0 - 68.0)
Brain	24	58.7	(49.8 - 66.2)	17	54.9	(43.6 - 64.4)	184	56.8	(53.3 - 58.7)
Neurological conditions	55	64.4	(60.0 - 68.0)	41	87.8	(43.2 - 130.8)	471	65.8	(60.9 - 69.1)
Spinal cord	0	-	-	0	-	-	<5	-	-
Amputee	9	60.2	(49.2 - 70.8)	7	66.1	(53.9 - 78.1)	87	62.1	(59.0 - 65.0)
Arthritis	6	77.3	(71.7 - 82.3)	11	77.5	(71.1 - 82.9)	89	73.4	(70.6 - 75.4)
Pain	33	65.2	(59.9 - 70.1)	37	65.1	(59.3 - 70.7)	344	66.8	(64.3 - 67.7)
Orthopaedic – fractures	62	72.9	(68.6 - 75.4)	49	67.4	(61.9 - 72.1)	550	72.4	(70.8 - 73.2)
Orthopaedic - replacements	415	68.6	(67.1 - 68.9)	383	69.3	(68.1 - 69.9)	3,908	69.4	(68.1 - 69.9)
Orthopaedic – other	65	66.7	(62.6 - 69.4)	54	67.0	(62.7 - 71.3)	597	67.2	(65.9 - 68.1)
Cardiac	17	74.8	(69.1 - 78.9)	11	68.0	(60.5 - 75.5)	196	71.4	(69.6 - 72.4)
Pulmonary	9	80.8	(75.7 - 84.3)	15	79.3	(74.1 - 83.9)	103	76.1	(74.1 - 77.9)
Burns	0	-	-	0	-	-	<5	-	-
Congenital deformity	2	57.5	-	0	-	-	6	49.3	(28.0 - 70.0)
Other disabling impairments	39	76.0	(70.8 - 79.2)	55	71.4	(67.3 - 74.7)	293	71.2	(69.4 - 72.6)
Major multiple trauma	6	60.8	(47.5 - 72.5)	1	62.0	-	31	49.6	(42.2 - 55.8)
Developmental disability	0	-	-	0	-	-	<5	-	-
Reconditioning	70	76.3	(73.3 - 78.7)	84	72.7	(68.8 - 75.2)	846	74.0	(73.1 - 74.9)
Missing	1			6			25		
All Impairments	891	69.1	(68.2 - 69.8)	860	69.9	(66.8 - 71.2)	8,494	69.1	(68.5 - 69.5)

Age by impairment group



Comorbidities



Process indicators

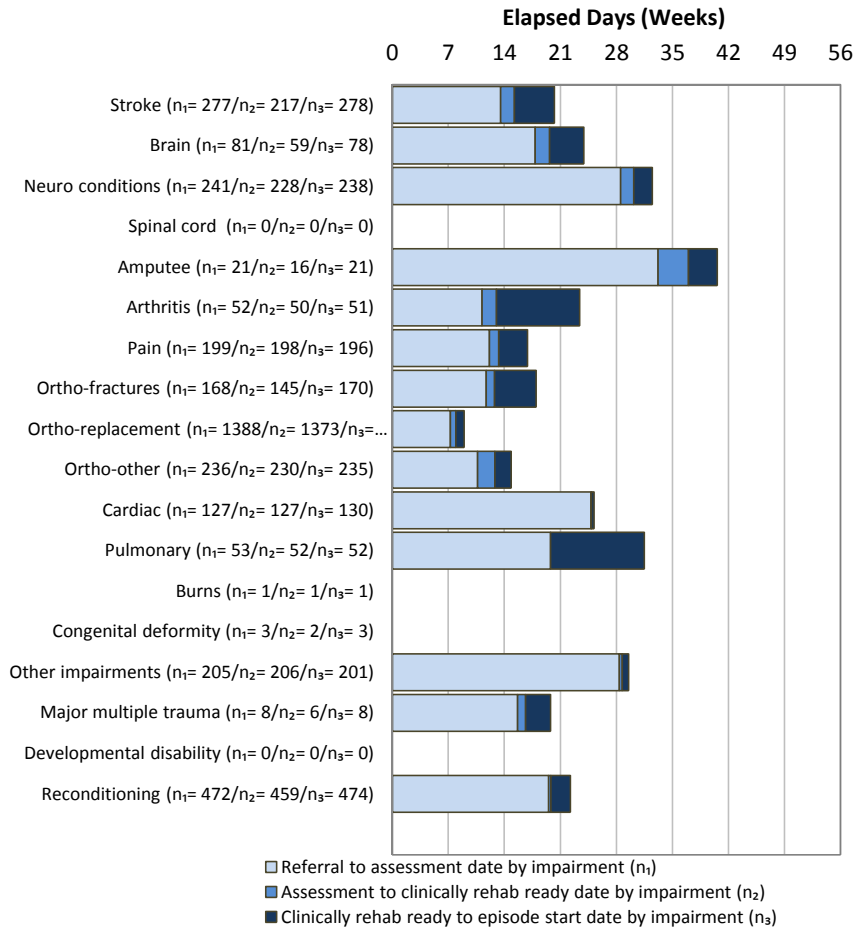
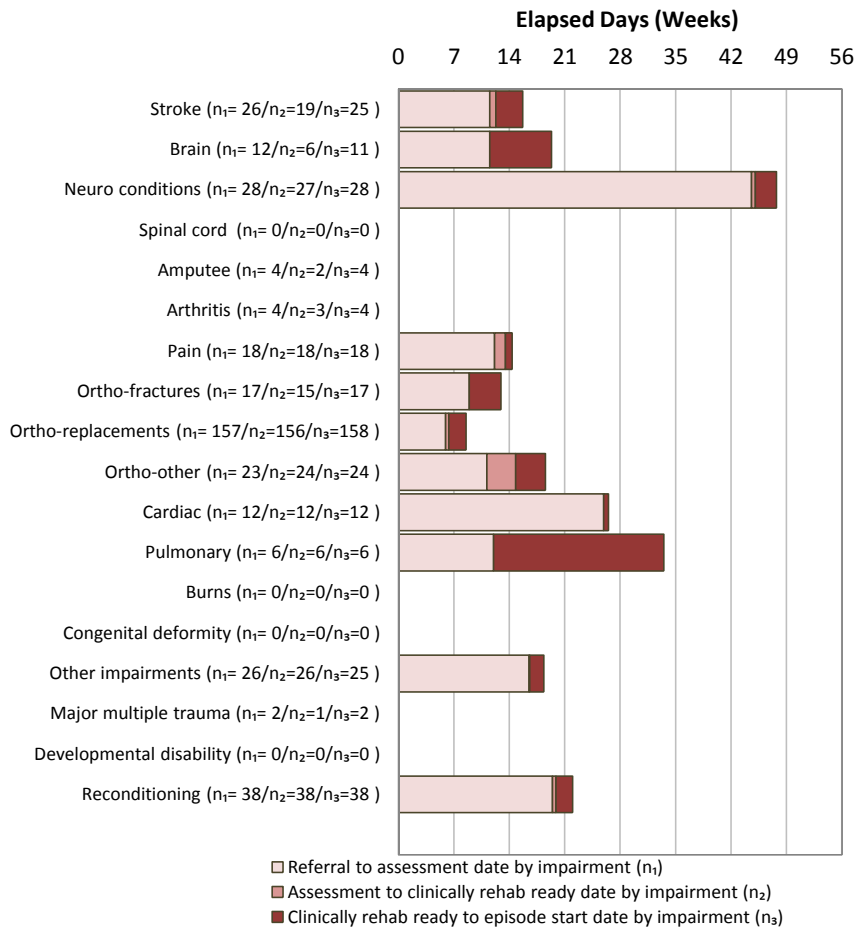
The following sections present analysis of each of the following elements:

- Days between key dates..... 24
- Staff type providing therapy..... 25
- Services received..... 26

Days between key dates by impairment group*

Your Service 2015

All Submitting Services 2015



* Includes first direct care rehabilitation episodes only

Staff type by impairment group

Your Service 2015

Impairment group	Physiotherapist	Hydrotherapist	Occupational Therapist	Exercise Physiologist	Therapy Aide	Medical Officer	Registered Nurse	Enrolled Nurse	Speech Pathologist	Social Worker	Dietician	Psychologist	Other Staff Type
Stroke (n ₁ =66)	83%	12%	85%	33%	32%	20%	8%	3%	48%	23%	9%	3%	12%
Brain (n ₁ =23)	87%	17%	83%	43%	43%	26%	17%	0%	30%	48%	9%	17%	39%
Neurological conditions (n ₁ =55)	91%	15%	87%	58%	45%	42%	4%	7%	40%	22%	15%	15%	15%
Spinal cord (n ₁ =0)													
Amputee (n ₁ =9)	111%	0%	56%	44%	89%	44%	11%	0%	11%	56%	0%	0%	22%
Arthritis (n ₁ =6)	100%	50%	33%	67%	17%	17%	0%	0%	0%	0%	0%	0%	17%
Pain (n ₁ =33)	97%	61%	64%	58%	18%	9%	12%	6%	0%	9%	9%	15%	3%
Orthopaedic – fractures (n ₁ =61)	100%	33%	41%	56%	30%	13%	8%	3%	5%	3%	3%	3%	16%
Orthopaedic - replacements (n ₁ =414)	99%	73%	36%	33%	28%	15%	14%	8%	0%	1%	2%	0%	4%
Orthopaedic – other (n ₁ =65)	95%	65%	38%	57%	12%	8%	6%	3%	0%	3%	6%	2%	2%
Cardiac (n ₁ =17)	88%	6%	24%	41%	12%	6%	0%	0%	0%	0%	12%	0%	0%
Pulmonary (n ₁ =9)	78%	11%	56%	78%	44%	22%	22%	11%	22%	22%	22%	22%	22%
Burns (n ₁ =0)													
Congenital deformity (n ₁ =2)	100%	0%	100%	100%	0%	0%	0%	0%	100%	50%	0%	0%	0%
Other disabling impairments (n ₁ =38)	82%	5%	42%	42%	8%	32%	13%	3%	11%	13%	5%	5%	3%
Major multiple trauma (n ₁ =6)	83%	17%	83%	67%	17%	17%	0%	0%	17%	17%	0%	17%	17%
Developmental disability (n ₁ =0)													
Reconditioning (n ₁ =70)	83%	17%	49%	66%	39%	16%	10%	4%	7%	6%	14%	6%	10%

Services received by impairment group

Your Service 2015

Impairment group	Domestic Assistance				Social Support				Nursing Care		
	Prior (n ₁) % of episodes	During (n ₂) % of episodes	Post (n ₃) % of episodes		Prior (n ₁) % of episodes	During (n ₂) % of episodes	Post (n ₃) % of episodes		Prior (n ₁) % of episodes	During (n ₂) % of episodes	Post (n ₃) % of episodes
Stroke (n ₁ =66/n ₂ =66/n ₃ =63)	21%	26%	25%		6%	9%	8%		6%	11%	10%
Brain (n ₁ =24/n ₂ =24/n ₃ =23)	25%	38%	30%		8%	13%	9%		8%	17%	9%
Neuro conditions (n ₁ =55/n ₂ =55/n ₃ =53)	33%	35%	30%		5%	4%	2%		4%	4%	2%
Spinal cord (n ₁ =0/n ₂ =0/n ₃ =0)											
Amputee (n ₁ =9/n ₂ =9/n ₃ =9)	22%	56%	11%		0%	11%	0%		22%	11%	0%
Arthritis (n ₁ =6/n ₂ =6/n ₃ =6)	50%	50%	50%		0%	0%	0%		0%	0%	0%
Pain (n ₁ =33/n ₂ =33/n ₃ =33)	27%	30%	24%		9%	9%	3%		0%	3%	0%
Ortho – fractures (n ₁ =61/n ₂ =62/n ₃ =59)	36%	65%	41%		0%	10%	5%		2%	10%	0%
Ortho - replacements (n ₁ =414/n ₂ =416/n ₃ =412)	13%	24%	11%		0%	3%	1%		0%	6%	0%
Ortho – other (n ₁ =65/n ₂ =65/n ₃ =64)	29%	43%	23%		2%	5%	0%		0%	2%	0%
Cardiac (n ₁ =17/n ₂ =17/n ₃ =17)	29%	24%	18%		24%	18%	18%		6%	0%	6%
Pulmonary (n ₁ =9/n ₂ =9/n ₃ =9)	44%	33%	33%		0%	0%	0%		0%	0%	0%
Burns (n ₁ =0/n ₂ =0/n ₃ =0)											
Congenital deformity (n ₁ =2/n ₂ =2/n ₃ =2)	0%	0%	0%		0%	0%	0%		0%	0%	0%
Other impairments (n ₁ =39/n ₂ =39/n ₃ =38)	31%	38%	24%		8%	10%	8%		0%	5%	3%
Major multiple trauma (n ₁ =6/n ₂ =6/n ₃ =6)	0%	17%	33%		0%	17%	0%		0%	0%	0%
Developmental disability (n ₁ =0/n ₂ =0/n ₃ =0)											
Reconditioning (n ₁ =68/n ₂ =70/n ₃ =66)	40%	44%	41%		4%	4%	3%		4%	7%	5%

Services received by impairment group

Your Service 2015

Impairment group	Allied Health Care			Personal Care			Meals		
	Prior (n ₁) % of episodes	During (n ₂) % of episodes	Post (n ₃) % of episodes	Prior (n ₁) % of episodes	During (n ₂) % of episodes	Post (n ₃) % of episodes	Prior (n ₁) % of episodes	During (n ₂) % of episodes	Post (n ₃) % of episodes
Stroke (n ₁ =66/n ₂ =66/n ₃ =63)	2%	14%	19%	5%	11%	8%	14%	18%	14%
Brain (n ₁ =24/n ₂ =24/n ₃ =23)	8%	8%	9%	13%	17%	17%	17%	25%	22%
Neuro conditions (n ₁ =55/n ₂ =55/n ₃ =53)	9%	9%	21%	13%	15%	9%	16%	18%	15%
Spinal cord (n ₁ =0/n ₂ =0/n ₃ =0)									
Amputee (n ₁ =9/n ₂ =9/n ₃ =9)	0%	11%	22%	0%	11%	0%	0%	22%	0%
Arthritis (n ₁ =6/n ₂ =6/n ₃ =6)	0%	17%	0%	17%	17%	0%	17%	17%	0%
Pain (n ₁ =33/n ₂ =33/n ₃ =33)	3%	12%	3%	0%	0%	0%	9%	18%	6%
Ortho – fractures (n ₁ =61/n ₂ =62/n ₃ =59)	0%	10%	3%	10%	24%	10%	11%	35%	10%
Ortho - replacements (n ₁ =414/n ₂ =416/n ₃ =412)	7%	8%	2%	1%	4%	0%	2%	13%	1%
Ortho – other (n ₁ =65/n ₂ =65/n ₃ =64)	2%	2%	2%	0%	6%	0%	6%	22%	3%
Cardiac (n ₁ =17/n ₂ =17/n ₃ =17)	0%	12%	12%	0%	0%	0%	12%	24%	12%
Pulmonary (n ₁ =9/n ₂ =9/n ₃ =9)	0%	0%	0%	0%	0%	0%	11%	22%	11%
Burns (n ₁ =0/n ₂ =0/n ₃ =0)									
Congenital deformity (n ₁ =2/n ₂ =2/n ₃ =2)	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other impairments (n ₁ =39/n ₂ =39/n ₃ =38)	3%	41%	5%	5%	13%	5%	13%	15%	8%
Major multiple trauma (n ₁ =6/n ₂ =6/n ₃ =6)	0%	17%	17%	0%	17%	0%	0%	17%	17%
Developmental disability (n ₁ =0/n ₂ =0/n ₃ =0)									
Reconditioning (n ₁ =68/n ₂ =70/n ₃ =66)	3%	13%	2%	6%	9%	6%	10%	19%	11%

Services received by impairment group

Your Service 2015

Impairment group	Provision of goods & equipment			Transport services			Case Management		
	Prior (n ₁) % of episodes	During (n ₂) % of episodes	Post (n ₃) % of episodes	Prior (n ₁) % of episodes	During (n ₂) % of episodes	Post (n ₃) % of episodes	Prior (n ₁) % of episodes	During (n ₂) % of episodes	Post (n ₃) % of episodes
Stroke (n ₁ =66/n ₂ =66/n ₃ =63)	11%	15%	16%	12%	20%	16%	2%	3%	5%
Brain (n ₁ =24/n ₂ =24/n ₃ =23)	13%	13%	13%	13%	21%	30%	13%	25%	26%
Neuro conditions (n ₁ =55/n ₂ =55/n ₃ =53)	13%	15%	13%	16%	18%	17%	2%	4%	2%
Spinal cord (n ₁ =0/n ₂ =0/n ₃ =0)									
Amputee (n ₁ =9/n ₂ =9/n ₃ =9)	11%	11%	0%	0%	22%	0%	0%	11%	0%
Arthritis (n ₁ =6/n ₂ =6/n ₃ =6)	0%	0%	0%	17%	33%	17%	0%	0%	0%
Pain (n ₁ =33/n ₂ =33/n ₃ =33)	3%	12%	3%	9%	15%	6%	0%	0%	0%
Ortho – fractures (n ₁ =61/n ₂ =62/n ₃ =59)	10%	19%	10%	11%	37%	19%	2%	6%	0%
Ortho - replacements (n ₁ =414/n ₂ =416/n ₃ =412)	6%	6%	1%	2%	14%	3%	0%	1%	0%
Ortho – other (n ₁ =65/n ₂ =65/n ₃ =64)	2%	5%	2%	3%	15%	5%	0%	0%	0%
Cardiac (n ₁ =17/n ₂ =17/n ₃ =17)	0%	0%	0%	24%	24%	24%	0%	0%	0%
Pulmonary (n ₁ =9/n ₂ =9/n ₃ =9)	0%	0%	0%	11%	11%	0%	0%	0%	0%
Burns (n ₁ =0/n ₂ =0/n ₃ =0)									
Congenital deformity (n ₁ =2/n ₂ =2/n ₃ =2)	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other impairments (n ₁ =39/n ₂ =39/n ₃ =38)	5%	5%	5%	10%	18%	13%	8%	21%	8%
Major multiple trauma (n ₁ =6/n ₂ =6/n ₃ =6)	0%	33%	17%	0%	50%	17%	0%	17%	0%
Developmental disability (n ₁ =0/n ₂ =0/n ₃ =0)									
Reconditioning (n ₁ =68/n ₂ =70/n ₃ =66)	3%	9%	5%	21%	27%	21%	0%	3%	0%

Outcome measures

The following section presents analysis of each of the following elements:

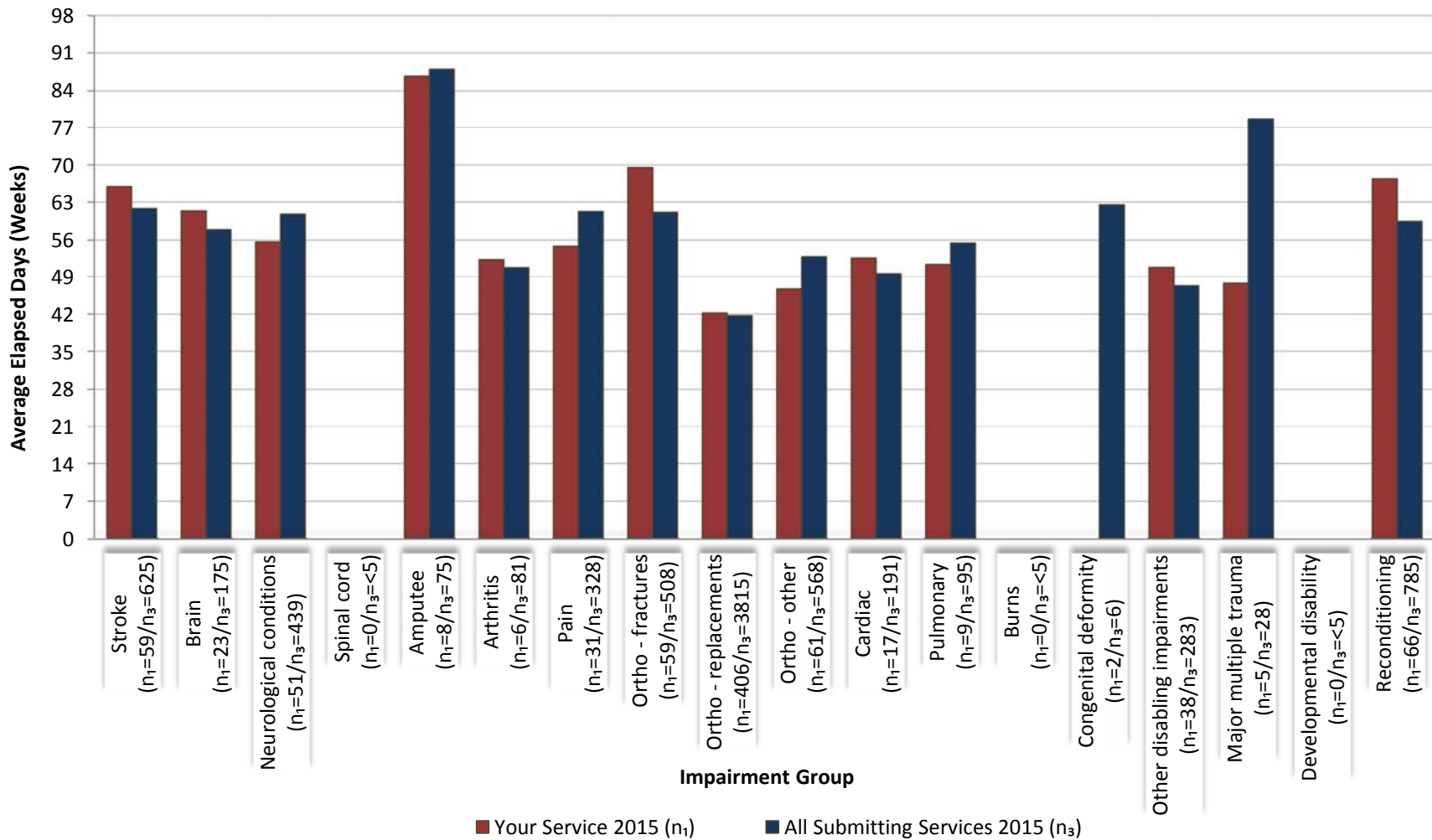
- Episode length..... 30
- Occasions of service..... 36
- Employment status..... 40
- Independence outcomes..... 43
- Lawton's score change..... 46
- Lawton's score outcomes - all episodes..... 50
- Lawton's score outcomes - impairment specific..... 57

Elapsed days by impairment group

Impairment group	Your Service 2015			Your Service 2014			All Submitting Services 2015		
	N	Mean Elapsed Days	Trimmed Data Range*	N	Mean Elapsed Days	Trimmed Data Range*	N	Mean Elapsed Days	Trimmed Data Range*
Stroke	59	65.9	(28 - 136)	68	60.9	(26 - 113)	625	61.9	(24 - 113)
Brain	23	61.5	(36 - 84)	16	87.2	(44 - 302)	175	57.9	(25 - 96)
Neurological conditions	51	55.6	(24 - 93)	38	59.5	(30 - 114)	439	60.9	(23 - 111)
Spinal cord	0	-	-	0	-	-	<5	-	-
Amputee	8	86.8	-	7	80.9	-	75	88.1	(29 - 197)
Arthritis	6	52.3	-	11	75.9	(38 - 141)	81	50.8	(24 - 94)
Pain	31	54.8	(24 - 85)	35	54.9	(27 - 106)	328	61.4	(22 - 120)
Orthopaedic – fractures	59	69.5	(27 - 142)	45	54.7	(24 - 99)	508	61.2	(24 - 120)
Orthopaedic - replacements	406	42.2	(18 - 74)	375	44.4	(23 - 78)	3,815	41.7	(21 - 71)
Orthopaedic – other	61	46.7	(22 - 89)	51	58.4	(26 - 88)	568	52.9	(24 - 95)
Cardiac	17	52.6	(31 - 85)	11	58.4	(44 - 86)	191	49.7	(27 - 79)
Pulmonary	9	51.4	-	12	32.3	(18 - 55)	95	55.4	(29 - 93)
Burns	0	-	-	0	-	-	<5	-	-
Congenital deformity	2	47.5	-	0	-	-	6	62.5	-
Other disabling impairments	38	50.9	(8 - 150)	48	53.3	(12 - 113)	283	47.3	(11 - 108)
Major multiple trauma	5	47.8	-	1	148.0	-	28	78.7	(37 - 186)
Developmental disability	0	-	-	0	-	-	<5	-	-
Reconditioning	66	67.4	(27 - 132)	79	55.7	(22 - 111)	785	59.5	(24 - 100)
Missing or Invalid	53			72			536		
All Impairments	894	51.1	(19 - 89)	869	52.1	(22 - 93)	8,540	50.7	(22 - 92)

* Includes middle 90% of episodes

Elapsed days by impairment group

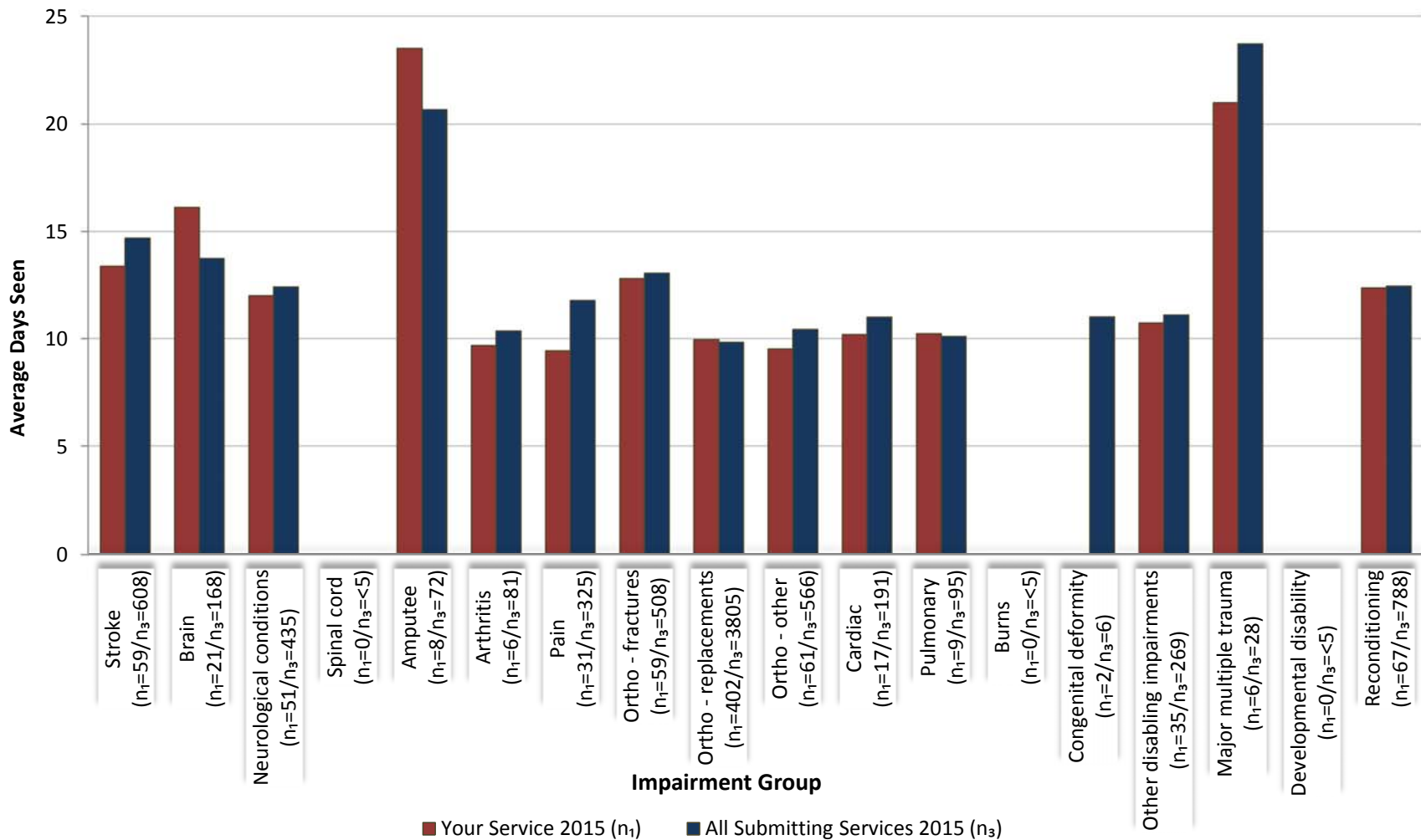


Days seen by impairment group

Impairment group	Your Service 2015			Your Service 2014			All Submitting Services 2015		
	N	Mean Days Seen	Trimmed Data Range*	N	Mean Days Seen	Trimmed Data Range*	N	Mean Days Seen	Trimmed Data Range*
Stroke	59	13.4	(5 - 26)	71	19.5	(5 - 33)	608	14.7	(5 - 27)
Brain	21	16.1	(8 - 31)	16	27.5	(8 - 72)	168	13.7	(5 - 27)
Neurological conditions	51	12.0	(5 - 16)	37	12.3	(4 - 27)	435	12.4	(4 - 20)
Spinal cord	0	-	-	0	-	-	<5	-	-
Amputee	8	23.5	-	7	23.6	-	72	20.7	(6 - 43)
Arthritis	6	9.7	-	11	11.8	(8 - 15)	81	10.3	(6 - 14)
Pain	31	9.4	(6 - 13)	35	10.8	(6 - 20)	325	11.8	(5 - 18)
Orthopaedic – fractures	59	12.8	(6 - 22)	46	13.5	(6 - 21)	508	13.1	(6 - 24)
Orthopaedic - replacements	402	9.9	(5 - 16)	376	11.1	(6 - 18)	3,805	9.8	(5 - 16)
Orthopaedic – other	61	9.5	(5 - 16)	52	13.7	(7 - 23)	566	10.4	(6 - 17)
Cardiac	17	10.2	(7 - 13)	11	12.0	(12 - 14)	191	11.0	(7 - 13)
Pulmonary	9	10.2	-	12	7.5	(6 - 12)	95	10.1	(5 - 14)
Burns	0	-	-	0	-	-	<5	-	-
Congenital deformity	2	10.0	-	0	-	-	6	11.0	-
Other disabling impairments	35	10.7	(3 - 19)	46	9.4	(2 - 21)	269	11.1	(4 - 20)
Major multiple trauma	6	21.0	-	1	25.0	-	28	23.7	(5 - 68)
Developmental disability	0	-	-	0	-	-	<5	-	-
Reconditioning	67	12.3	(5 - 20)	77	10.3	(5 - 16)	788	12.4	(5 - 20)
Missing or Invalid	45			48			448		
All Impairments	879	11.1	(5 - 19)	846	12.5	(5 - 20)	8,395	11.3	(5 - 18)

* Includes middle 90% of episodes

Days seen by impairment group

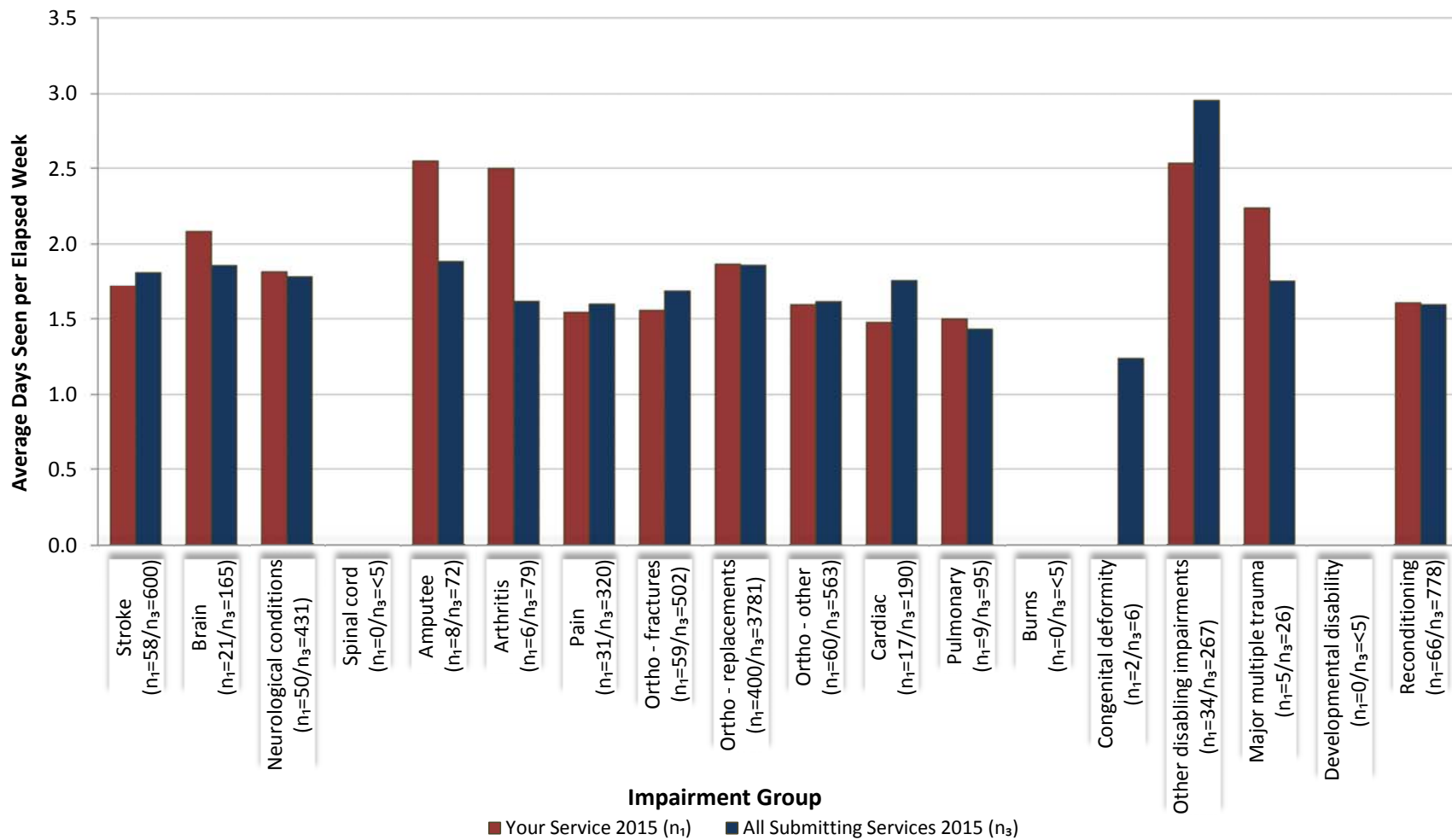


Days seen per elapsed week by impairment group

Impairment group	Your Service 2015			Your Service 2014			All Submitting Services 2015		
	N	Average Days Seen / Elapsed Week	Trimmed Data Range*	N	Average Days Seen / Elapsed Week	Trimmed Data Range*	N	Average Days Seen / Elapsed Week	Trimmed Data Range*
Stroke	58	1.7	(0.6 - 2.6)	68	2.1	(0.8 - 3.2)	600	1.8	(0.6 - 2.9)
Brain	21	2.1	(1.1 - 4.0)	16	2.3	(1.1 - 3.8)	165	1.9	(0.8 - 3.3)
Neurological conditions	50	1.8	(0.9 - 2.3)	37	1.7	(0.4 - 2.5)	431	1.8	(0.7 - 2.7)
Spinal cord	0	-	-	0	-	-	<5	-	-
Amputee	8	2.5	-	7	2.0	-	72	1.9	(0.6 - 2.8)
Arthritis	6	2.5	-	11	1.2	(0.8 - 1.7)	79	1.6	(0.8 - 2.3)
Pain	31	1.5	(0.7 - 2.3)	34	1.6	(0.9 - 2.2)	320	1.6	(0.7 - 2.2)
Orthopaedic – fractures	59	1.6	(0.7 - 2.2)	44	1.6	(0.9 - 2.2)	502	1.7	(0.8 - 2.5)
Orthopaedic - replacements	400	1.9	(1.0 - 2.6)	373	1.8	(1.0 - 2.3)	3,781	1.9	(1.0 - 2.5)
Orthopaedic – other	60	1.6	(0.8 - 2.3)	50	1.6	(0.8 - 2.3)	563	1.6	(0.8 - 2.3)
Cardiac	17	1.5	(0.9 - 2.0)	11	1.6	(1.1 - 2.2)	190	1.8	(1.1 - 2.3)
Pulmonary	9	1.5	-	12	2.2	(1.4 - 2.3)	95	1.4	(0.8 - 2.2)
Burns	0	-	-	0	-	-	<5	-	-
Congenital deformity	2	1.4	-	0	-	-	6	1.2	-
Other disabling impairments	34	2.5	(0.4 - 5.7)	45	2.5	(0.4 - 6.3)	267	3.0	(0.5 - 5.7)
Major multiple trauma	5	2.2	-	1	1.2	-	26	1.8	(0.8 - 3.4)
Developmental disability	0	-	-	0	-	-	<5	-	-
Reconditioning	66	1.6	(0.7 - 2.3)	76	1.5	(0.7 - 2.2)	778	1.6	(0.8 - 2.2)
Missing or Invalid	54			64			528		
All Impairments	880	1.8	(0.8 - 2.6)	849	1.8	(0.8 - 2.6)	8,405	1.8	(0.9 - 2.6)

* Includes middle 90% of episodes

Days seen per elapsed week by impairment group

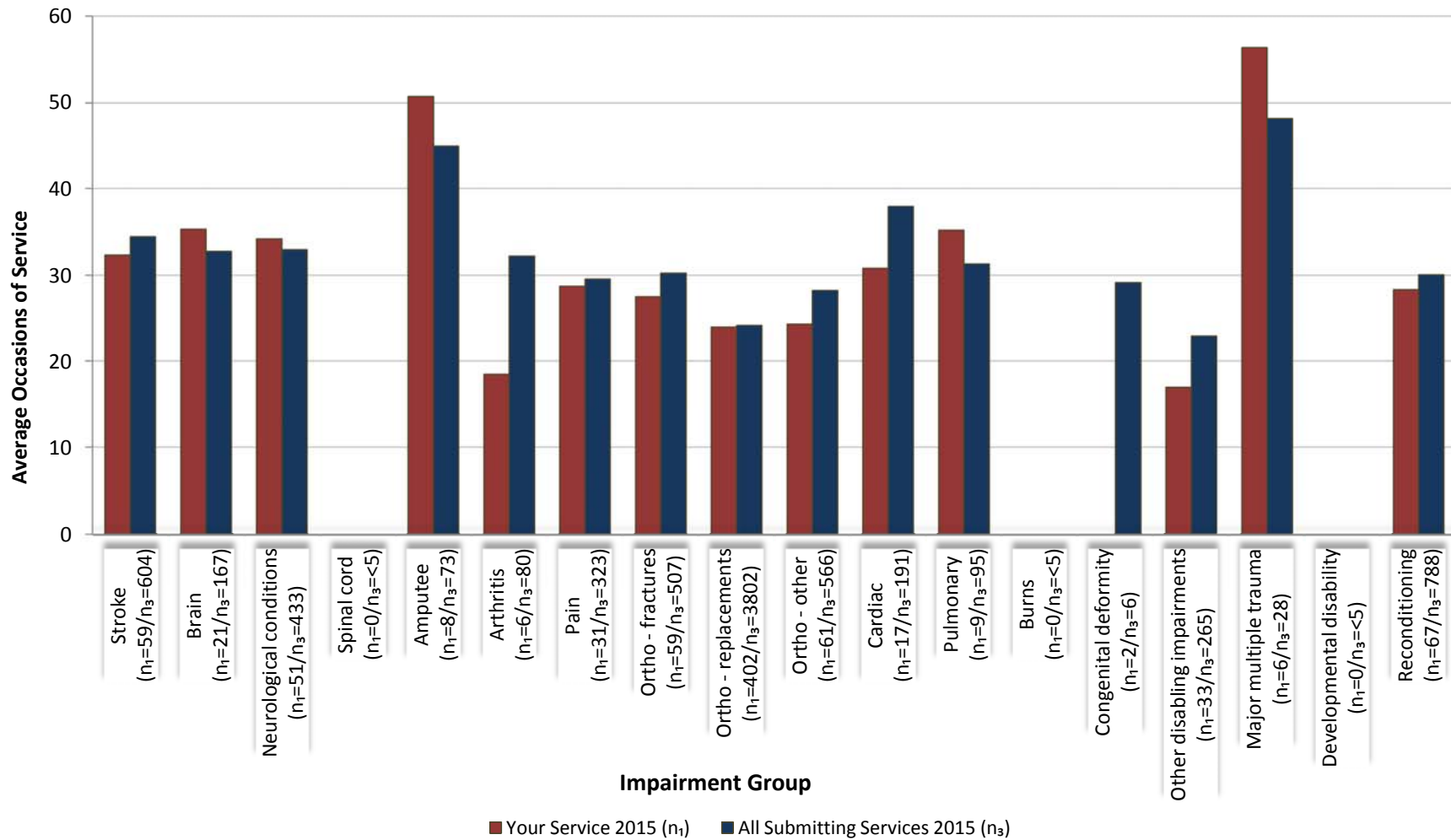


Occasions of service by impairment group

Impairment group	Your Service 2015			Your Service 2014			All Submitting Services 2015		
	N	Average Occasions of Service	Trimmed Data Range*	N	Average Occasions of Service	Trimmed Data Range*	N	Average Occasions of Service	Trimmed Data Range*
Stroke	59	32.4	(8 - 70)	70	44.2	(6 - 80)	604	34.5	(7 - 67)
Brain	21	35.3	(11 - 61)	15	51.4	(12 - 116)	167	32.8	(10 - 55)
Neurological conditions	51	34.2	(15 - 64)	36	28.9	(5 - 56)	433	33.0	(6 - 60)
Spinal cord	0	-	-	0	-	-	<5	-	-
Amputee	8	50.8	-	7	56.7	-	73	44.9	(7 - 125)
Arthritis	6	18.5	-	11	23.8	(14 - 35)	80	32.2	(11 - 60)
Pain	31	28.7	(12 - 42)	35	25.8	(9 - 50)	323	29.6	(11 - 54)
Orthopaedic – fractures	59	27.4	(9 - 54)	46	26.7	(10 - 48)	507	30.3	(9 - 58)
Orthopaedic - replacements	402	23.9	(11 - 44)	375	24.7	(12 - 43)	3,802	24.1	(12 - 42)
Orthopaedic – other	61	24.2	(11 - 44)	52	29.9	(12 - 39)	566	28.2	(12 - 48)
Cardiac	17	30.8	(14 - 52)	11	40.3	(28 - 52)	191	37.9	(14 - 52)
Pulmonary	9	35.2	-	11	20.4	(12 - 25)	95	31.3	(9 - 52)
Burns	0	-	-	0	-	-	<5	-	-
Congenital deformity	2	26.0	-	0	-	-	6	29.2	-
Other disabling impairments	33	17.0	(4 - 40)	46	17.5	(3 - 44)	265	22.9	(5 - 42)
Major multiple trauma	6	56.3	-	1	52.0	-	28	48.2	(10 - 104)
Developmental disability	0	-	-	0	-	-	<5	-	-
Reconditioning	67	28.2	(7 - 58)	76	26.7	(9 - 49)	788	30.1	(9 - 53)
Missing or Invalid	47			54			465		
All Impairments	879	26.7	(10 - 48)	846	27.9	(9 - 49)	8,395	27.9	(10 - 51)

* Includes middle 90% of episodes

Occasions of service by impairment group

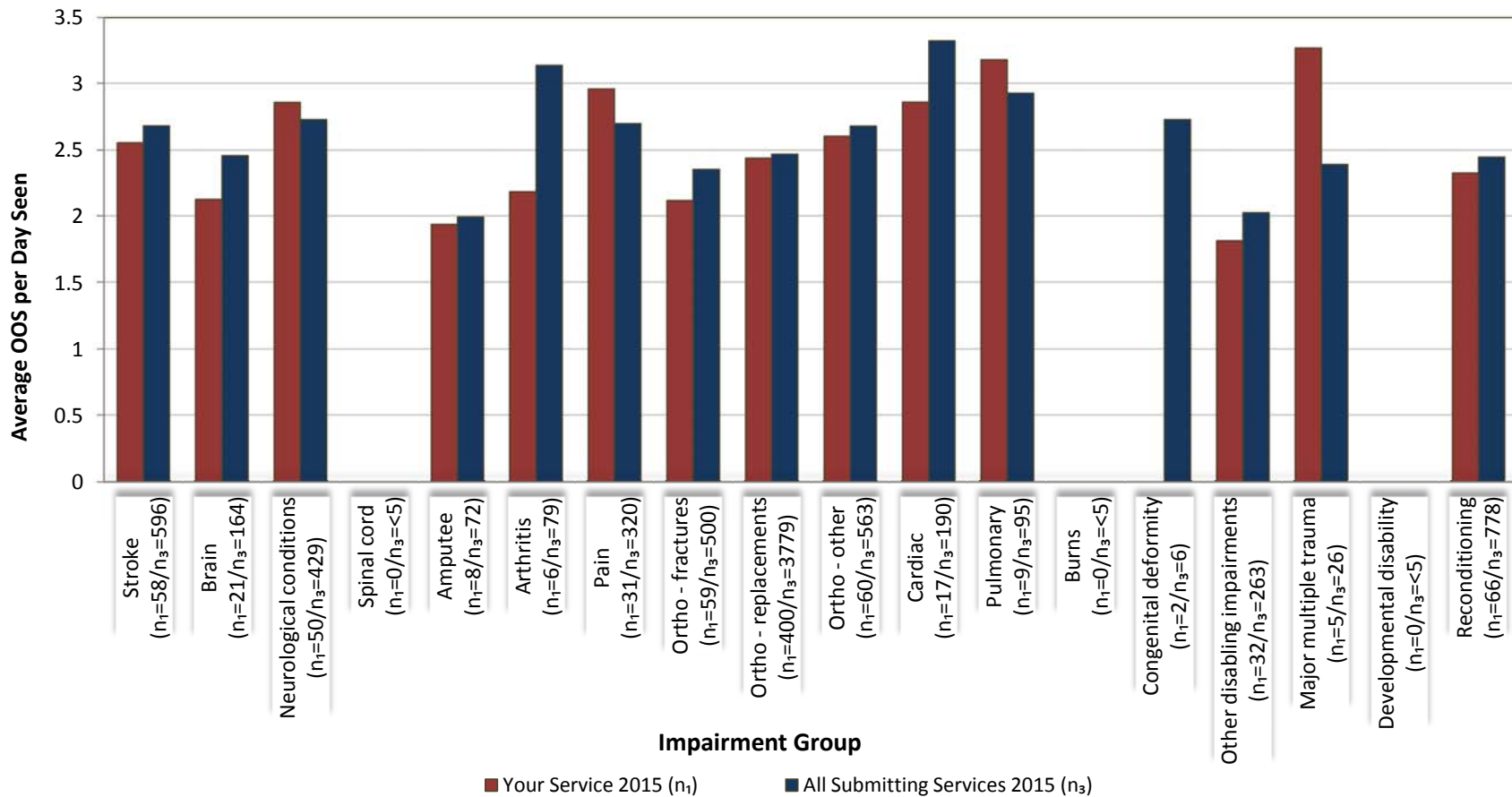


Occasions of service per day seen by impairment group

Impairment group	Your Service 2015			Your Service 2014			All Submitting Services 2015		
	N	Average Occasions of Service / Day Seen	Trimmed Data Range*	N	Average Occasions of Service / Day Seen	Trimmed Data Range*	N	Average Occasions of Service / Day Seen	Trimmed Data Range*
Stroke	58	2.6	(1.2 - 4.1)	67	2.3	(1.1 - 3.6)	596	2.7	(1.0 - 4.0)
Brain	21	2.1	(1.2 - 3.1)	15	2.2	(1.0 - 3.3)	164	2.5	(1.4 - 3.8)
Neurological conditions	50	2.9	(1.5 - 4.2)	36	2.3	(1.0 - 3.9)	429	2.7	(1.0 - 4.0)
Spinal cord	0	-	-	0	-	-	<5	-	-
Amputee	8	1.9	-	7	2.2	-	72	2.0	(1.0 - 3.0)
Arthritis	6	2.2	-	11	2.2	(1.6 - 3.0)	79	3.1	(1.8 - 5.0)
Pain	31	3.0	(2.0 - 3.5)	34	2.5	(1.9 - 4.0)	320	2.7	(1.8 - 3.1)
Orthopaedic – fractures	59	2.1	(1.0 - 3.1)	44	1.9	(1.1 - 2.8)	500	2.4	(1.1 - 3.0)
Orthopaedic - replacements	400	2.4	(1.9 - 3.1)	373	2.4	(1.9 - 3.0)	3,779	2.5	(2.0 - 3.0)
Orthopaedic – other	60	2.6	(1.5 - 3.0)	50	2.4	(1.9 - 3.0)	563	2.7	(1.9 - 3.0)
Cardiac	17	2.9	(2.0 - 4.0)	11	3.2	(2.5 - 4.0)	190	3.3	(2.0 - 4.0)
Pulmonary	9	3.2	-	11	2.9	(2.0 - 5.0)	95	2.9	(1.5 - 5.1)
Burns	0	-	-	0	-	-	<5	-	-
Congenital deformity	2	2.6	-	0	-	-	6	2.7	-
Other disabling impairments	32	1.8	(1.0 - 3.0)	45	1.8	(1.0 - 2.5)	263	2.0	(1.0 - 3.0)
Major multiple trauma	5	3.3	-	1	2.1	-	26	2.4	(1.0 - 3.6)
Developmental disability	0	-	-	0	-	-	<5	-	-
Reconditioning	66	2.3	(1.0 - 3.2)	75	2.7	(1.0 - 3.9)	778	2.4	(1.0 - 3.6)
Missing or Invalid	56			69			543		
All Impairments	880	2.5	(1.2 - 3.4)	849	2.4	(1.3 - 3.1)	8,405	2.5	(1.5 - 3.6)

* Includes middle 90% of episodes

Occasions of service per day seen by impairment group



Employment outcomes by impairment group

A patient with an 'equivalent employment outcome' is in:

- the same or similar job with same or similar hours
or
- a different job by choice

A patient with a 'reduced employment outcome' is in:

- the same or similar job with reduced hours
or
- a different job due to reduced function
or
- not able to work

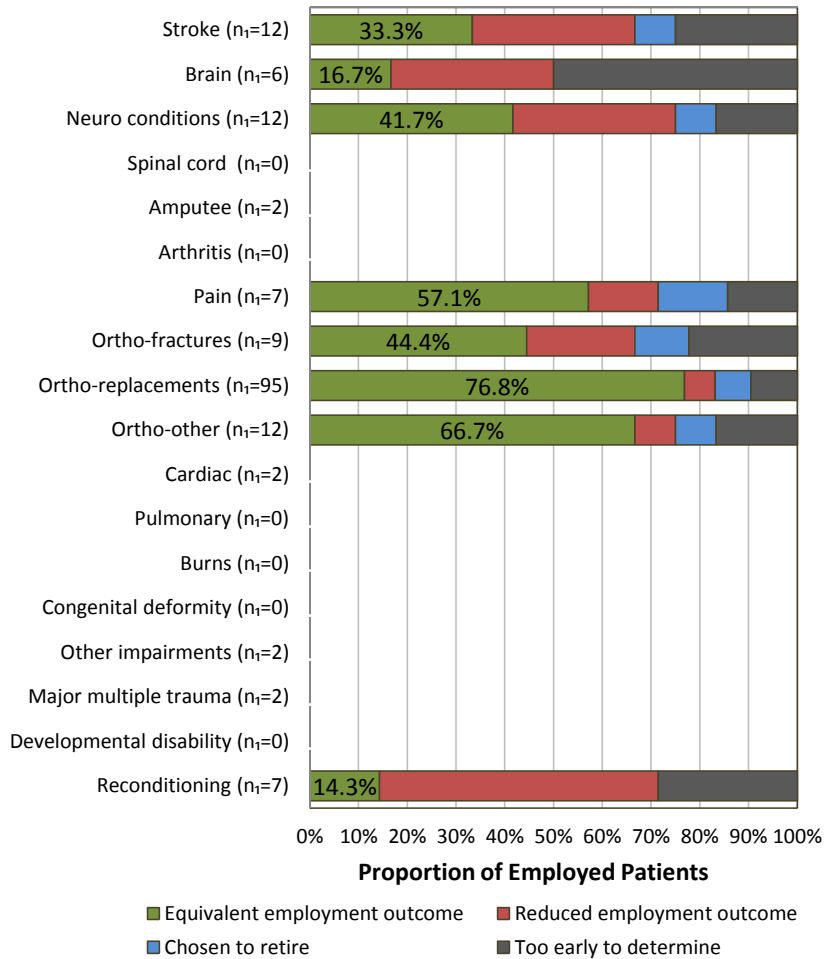
Employment outcomes are only considered for patients who were employed prior to injury/impairment or exacerbation of impairment.

Employment outcomes by impairment group

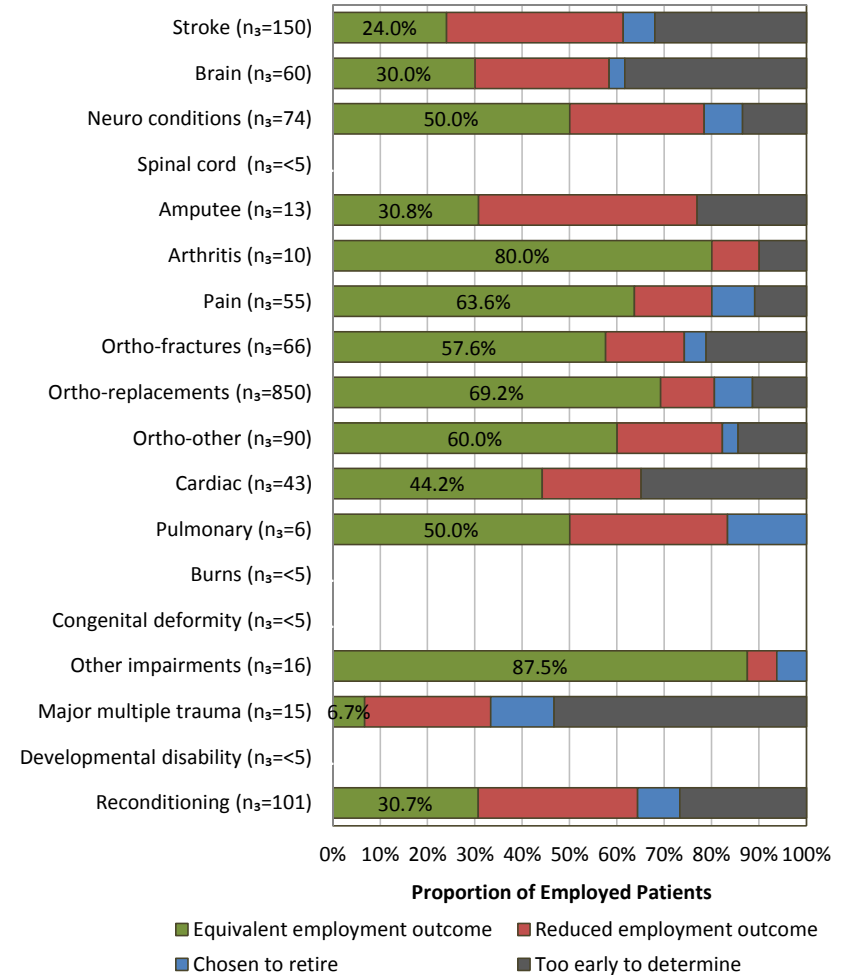
Impairment group	Your Service 2015		Your Service 2014		All Submitting Services 2015	
	Employed Prior to Impair N	Equivalent Employment Outcome (%)	Employed Prior to Impair N	Equivalent Employment Outcome (%)	Employed Prior to Impair N	Equivalent Employment Outcome (%)
Stroke	12	33.3	18	16.7	150	24.0
Brain	6	16.7	7	14.3	60	30.0
Neurological conditions	12	41.7	8	25.0	74	50.0
Spinal cord	0	-	0	-	<5	-
Amputee	2	50.0	3	66.7	13	30.8
Arthritis	0	-	0	-	10	80.0
Pain	7	57.1	9	44.4	55	63.6
Orthopaedic – fractures	9	44.4	6	66.7	66	57.6
Orthopaedic - replacements	95	76.8	88	81.8	850	69.2
Orthopaedic – other	12	66.7	8	75.0	90	60
Cardiac	2	0.0	3	66.7	43	44.2
Pulmonary	0	-	0	-	6	50.0
Burns	0	-	0	-	<5	-
Congenital deformity	0	-	0	-	<5	-
Other disabling impairments	2	100.0	6	83.3	16	87.5
Major multiple trauma	2	0.0	1	100.0	15	6.7
Developmental disability	0	-	0	-	<5	-
Reconditioning	7	14.3	11	63.6	101	30.7
Missing	0	-	0	-	<5	-
All Impairments	168	61.3	168	64.1	1,551	58.3

Employment outcomes by impairment group

Your Service 2015(n₁)



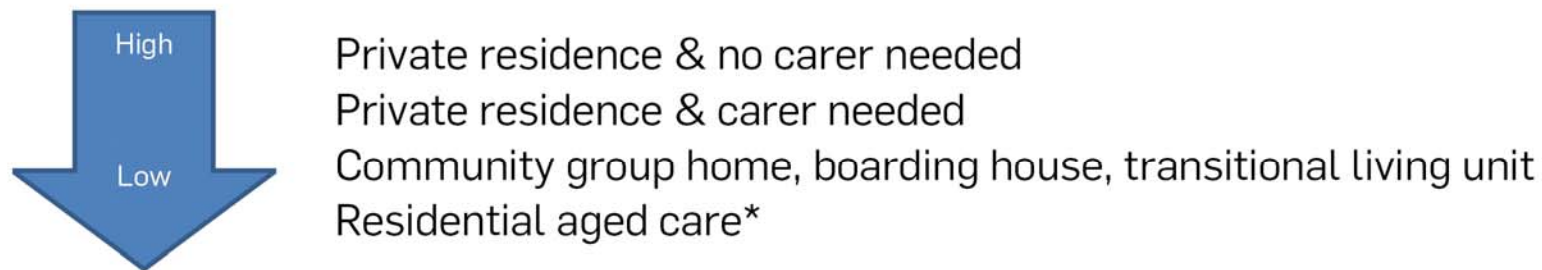
All Submitting Services 2015(n₃)



Independence outcomes by impairment group

Independence outcomes are based on changes in accommodation and carer status.

Independence is ranked using the following order:



A patient is defined as having 'equivalent independence' when:

- independence after the rehabilitation episode was the same or greater than prior to rehabilitation

A patient is defined as having 'reduced independence' when:

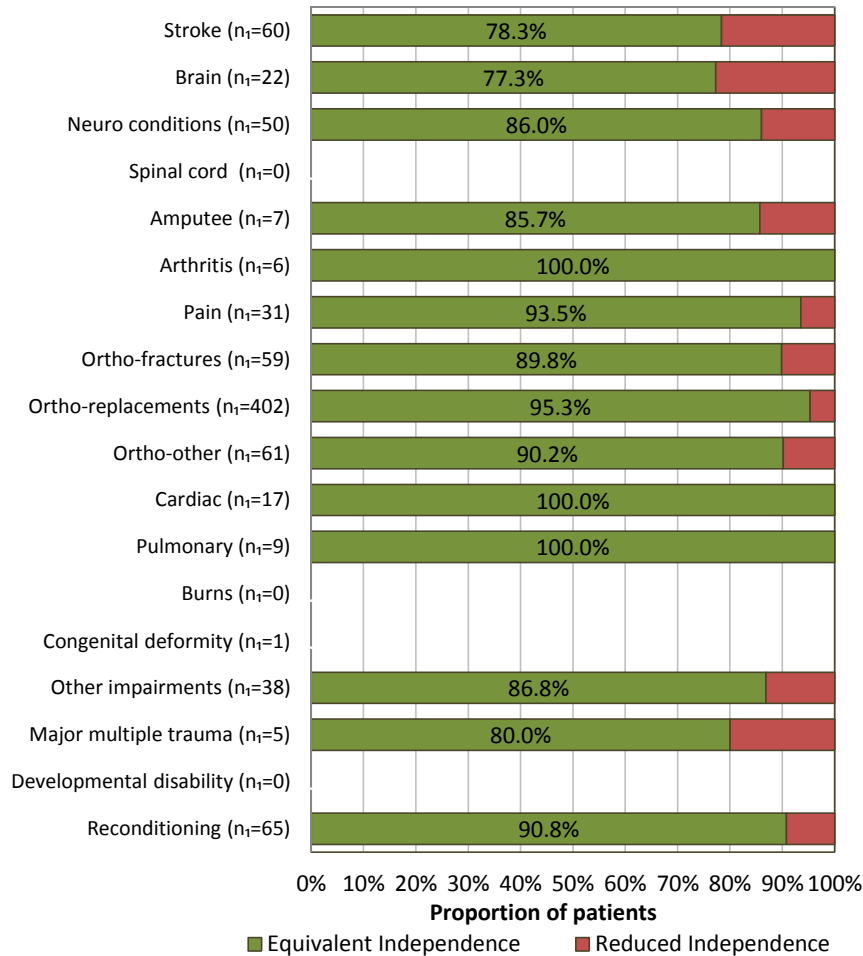
- independence after the rehabilitation episode was less than before rehabilitation

Independence outcomes by impairment group

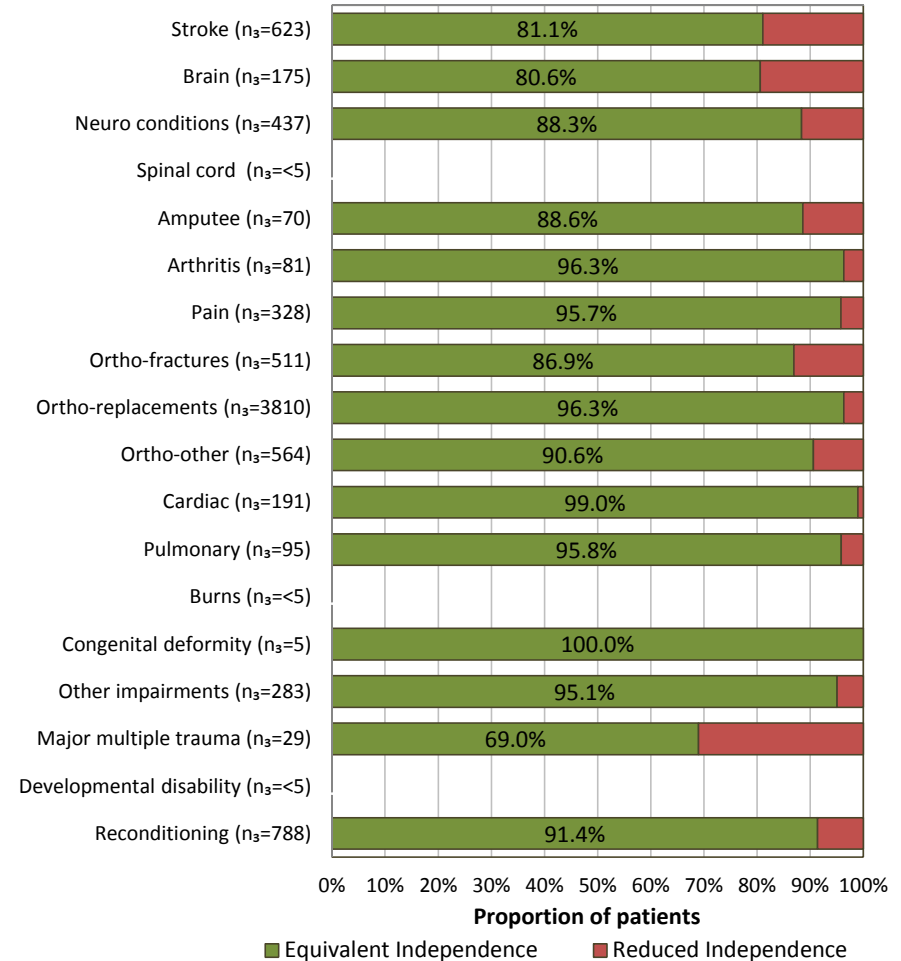
Impairment group	Your Service 2015		Your Service 2014		All Submitting Services 2015	
	N	Equivalent Independence Outcome (%)	N	Equivalent Independence Outcome (%)	N	Equivalent Independence Outcome (%)
Stroke	60	78.3	69	75.4	623	81.1
Brain	22	77.3	15	66.7	175	80.6
Neurological conditions	50	86.0	37	91.9	437	88.3
Spinal cord	0	-	0	-	<5	-
Amputee	7	85.7	7	100.0	70	88.6
Arthritis	6	100.0	11	90.9	81	96.3
Pain	31	93.5	35	100.0	328	95.7
Orthopaedic – fractures	59	89.8	43	88.4	511	86.9
Orthopaedic - replacements	402	95.3	376	97.1	3,810	96.3
Orthopaedic – other	61	90.2	52	90.4	564	91
Cardiac	17	100.0	11	90.9	191	99.0
Pulmonary	9	100.0	12	100.0	95	95.8
Burns	0	-	0	-	<5	-
Congenital deformity	1	100.0	0	-	5	100.0
Other disabling impairments	38	86.8	47	89.4	283	95.1
Major multiple trauma	5	80.0	1	100.0	29	69.0
Developmental disability	0	-	0	-	<5	-
Reconditioning	65	90.8	78	97.4	788	91.4
Missing	46		53		402	
All Impairments	879	91.5	847	93.2	8,394	92.6

Independence outcomes

Your Service 2015(n₁)



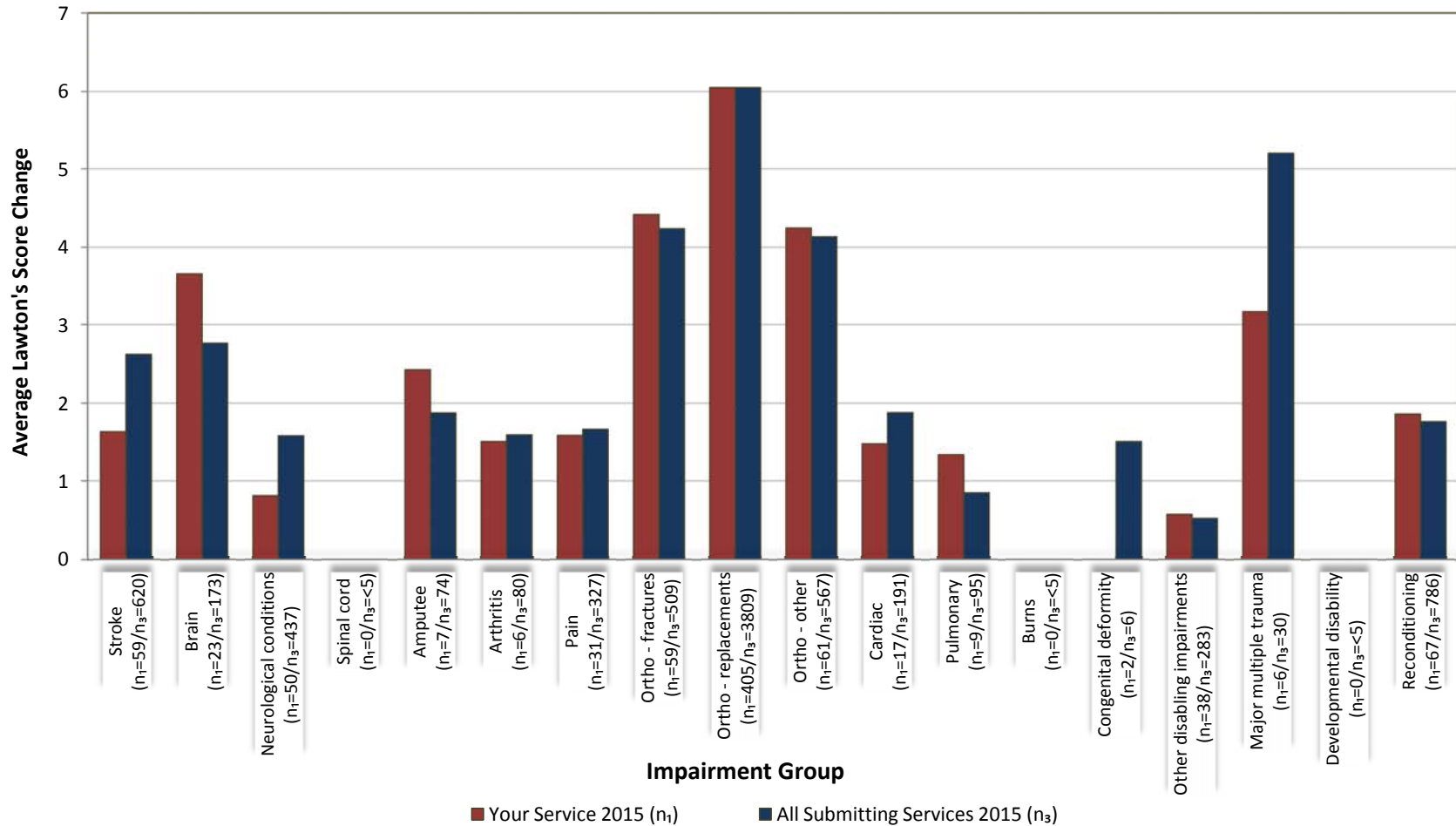
All Submitting Services 2015(n₃)



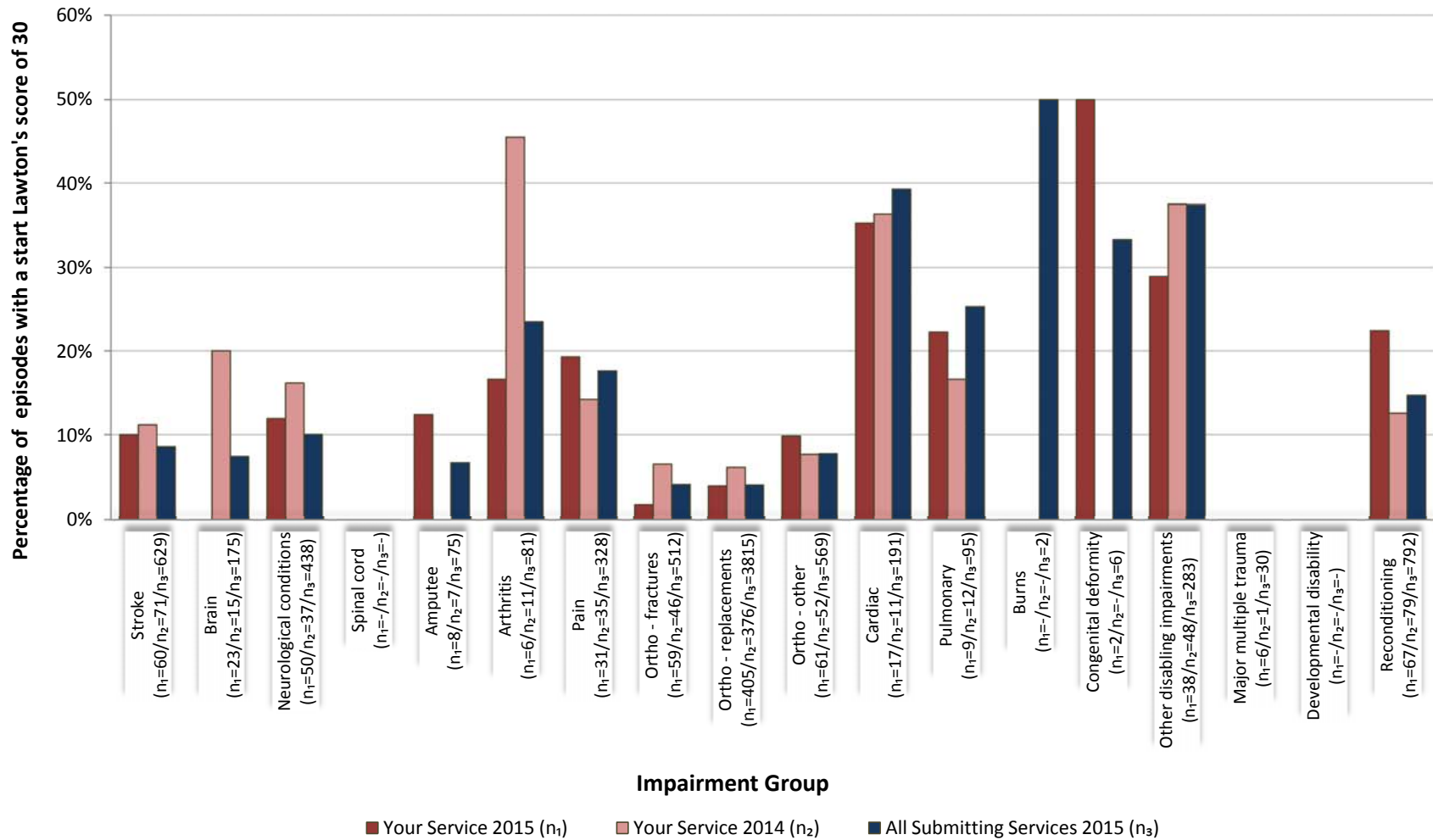
Lawton's score change

Impairment group	Your Service 2015		Your Service 2014		All Submitting Services 2015	
	N	Average Score Change	N	Average Score Change	N	Average Score Change
Stroke	59	1.6	70	3.2	620	2.6
Brain	23	3.7	15	2.1	173	2.8
Neurological conditions	50	0.8	37	1.6	437	1.6
Spinal cord	0	-	0	-	<5	-
Amputee	7	2.4	7	2.7	74	1.9
Arthritis	6	1.5	11	0.9	80	1.6
Pain	31	1.6	35	1.6	327	1.7
Orthopaedic – fractures	59	4.4	45	4.4	509	4.2
Orthopaedic - replacements	405	6.1	376	6.0	3,809	6.1
Orthopaedic – other	61	4.2	52	4.1	567	4.1
Cardiac	17	1.5	11	0.9	191	1.9
Pulmonary	9	1.3	12	2.3	95	0.9
Burns	0	-	0	-	<5	-
Congenital deformity	2	3.0	0	-	6	1.5
Other disabling impairments	38	0.6	48	0.0	283	0.5
Major multiple trauma	6	3.2	1	10.0	30	5.2
Developmental disability	0	-	0	-	<5	-
Reconditioning	67	1.9	79	1.2	786	1.8
Missing	39		47		405	
All Impairments	879	4.1	846	4.0	8,394	4.1

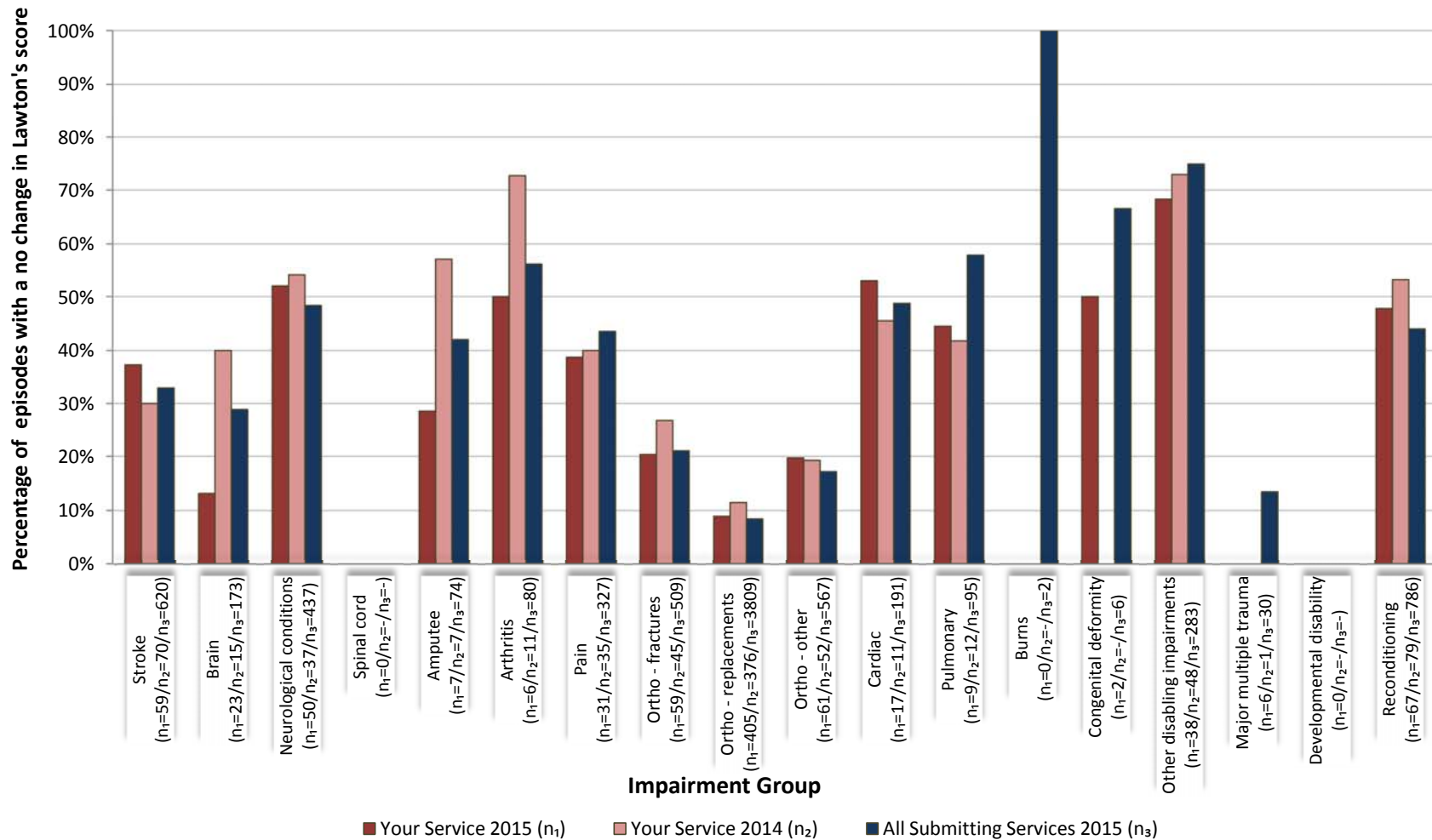
Lawton's score change



Episodes with a Lawton's start score of 30



Episodes with no change in Lawton's score

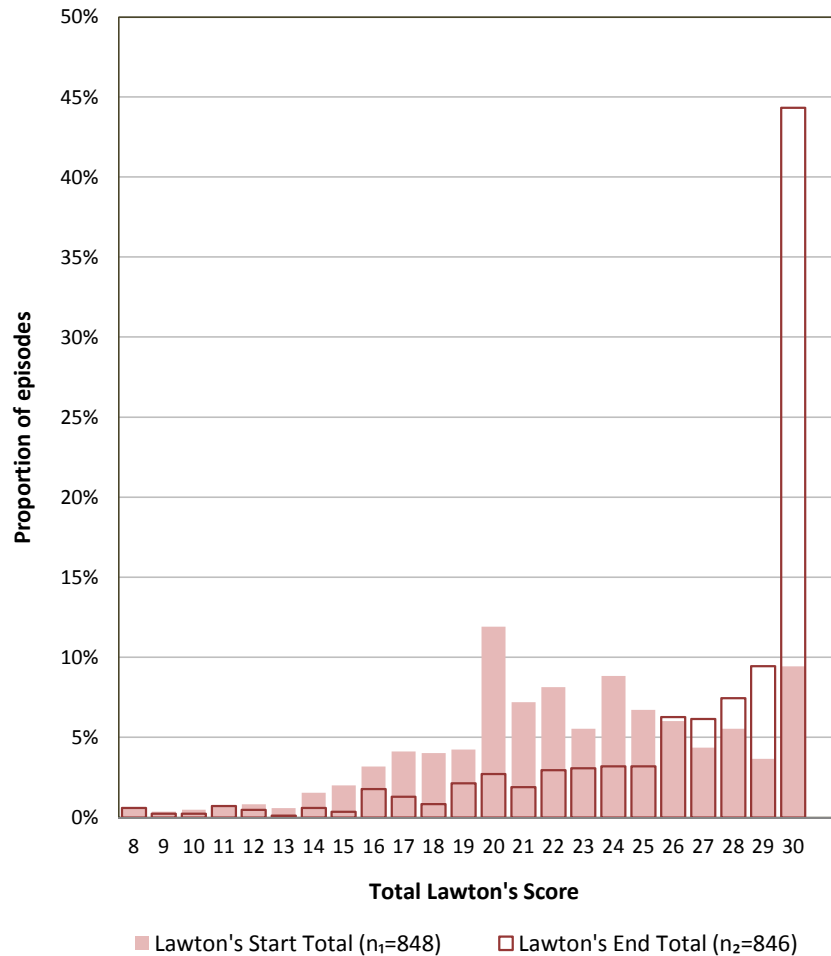




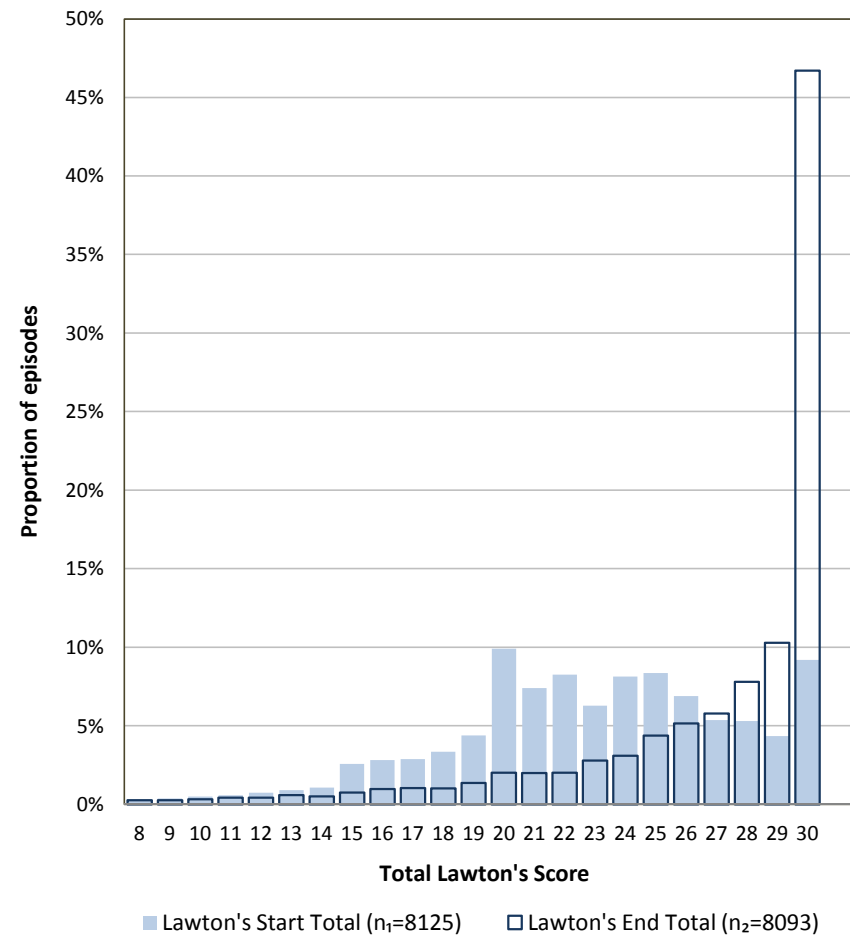
Lawton's score outcomes - All episodes

Lawton's start and end total - All episodes

Your Service 2015

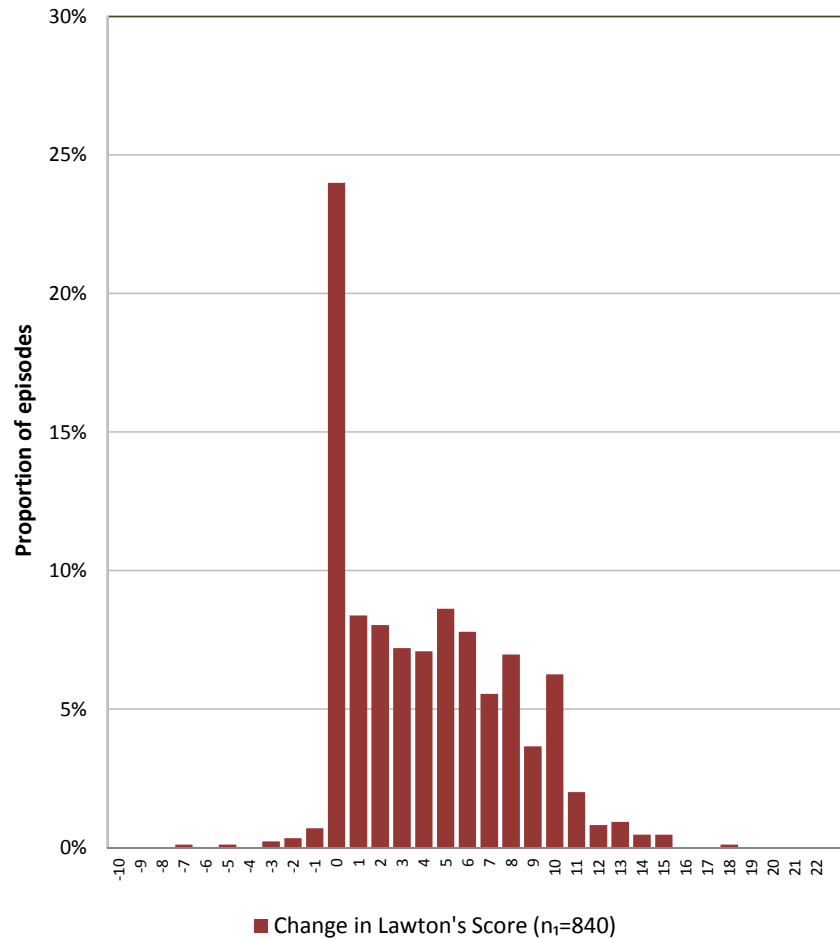


All Submitting Services 2015

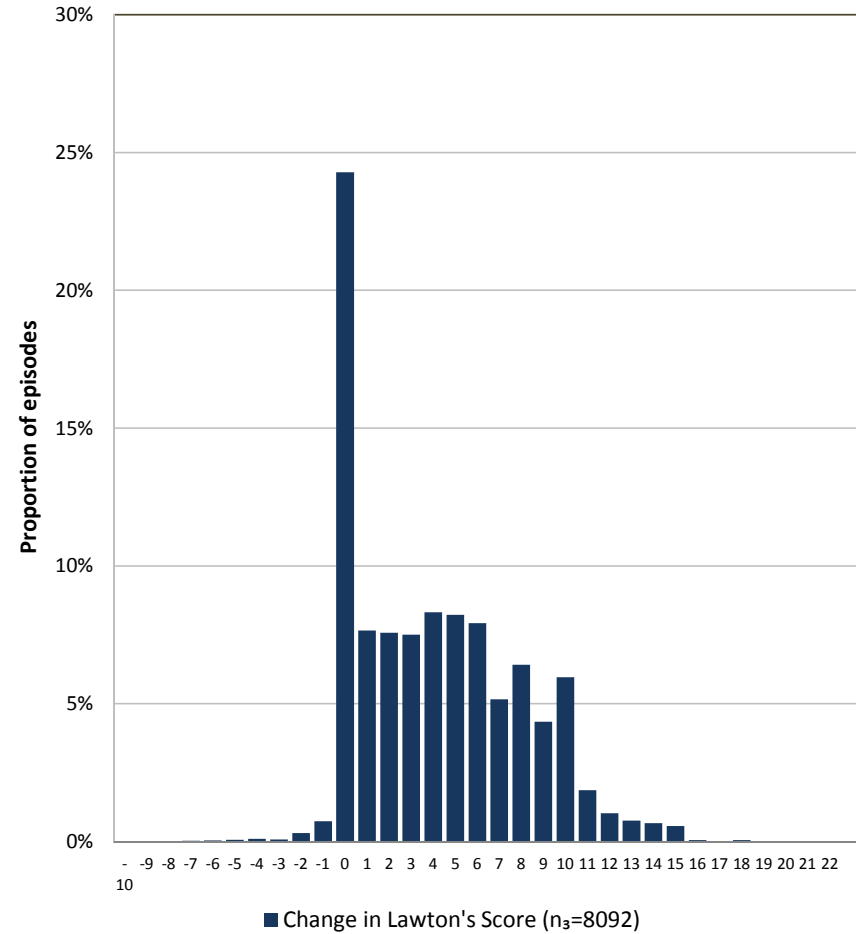


Change in Lawton's score - All episodes

Your Service 2015(n_1)

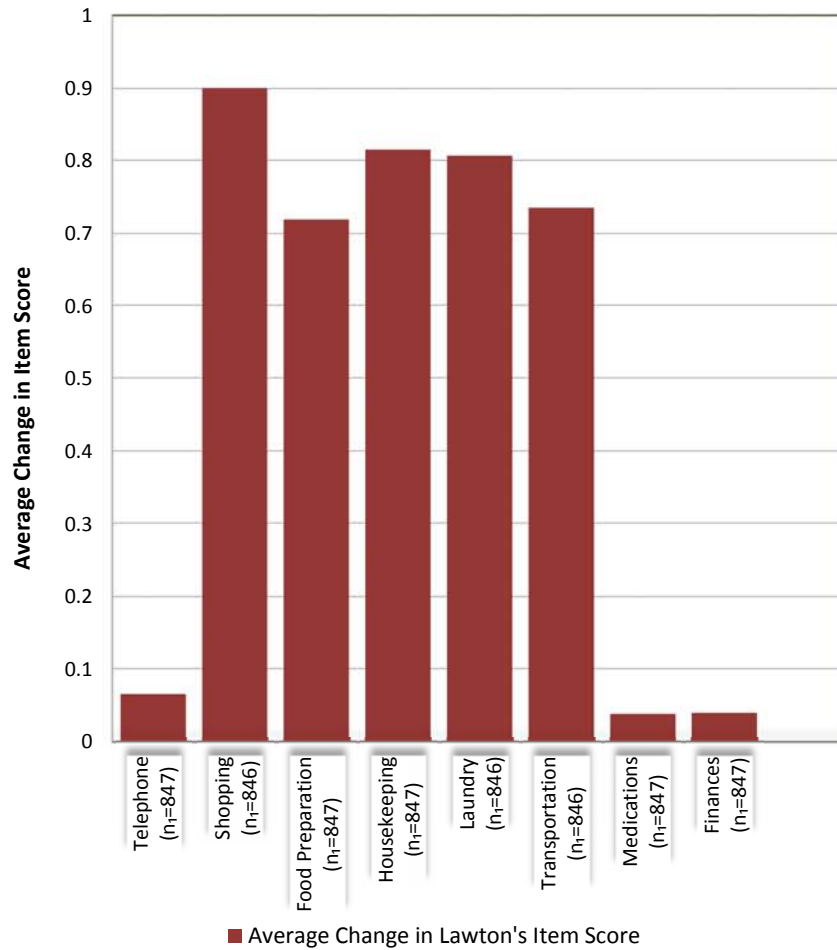


All Submitting Services 2015(n_3)

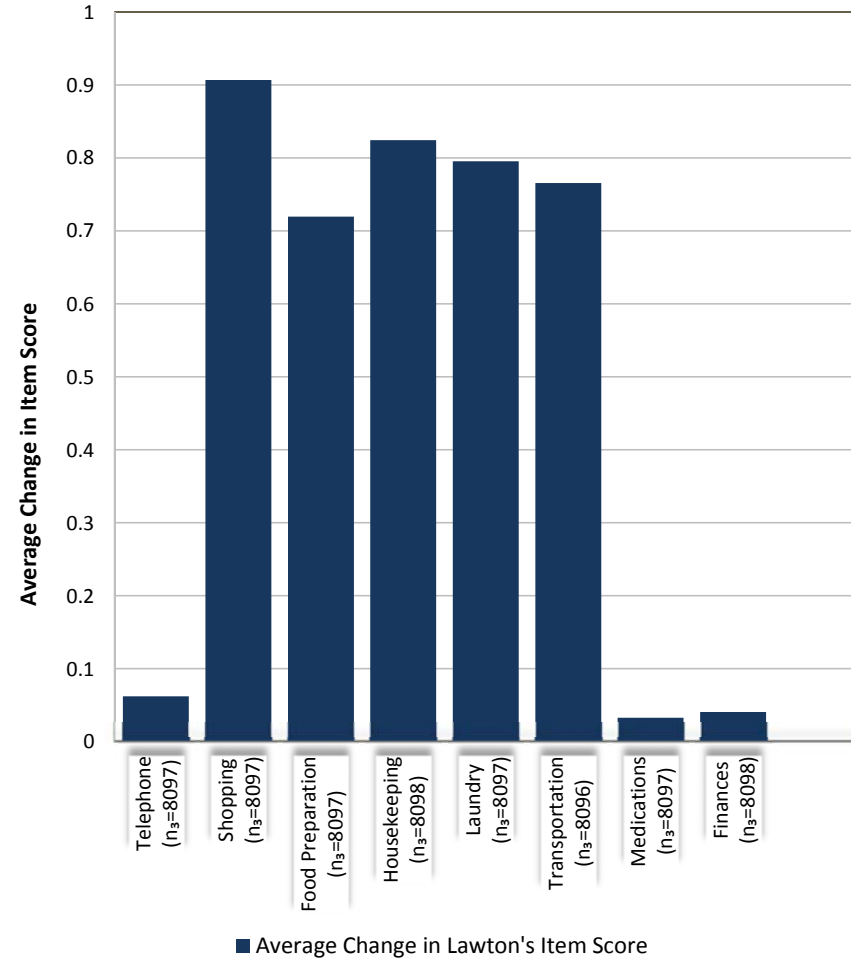


Change in Lawton's item scores - All episodes

Your Service 2015(n₁)

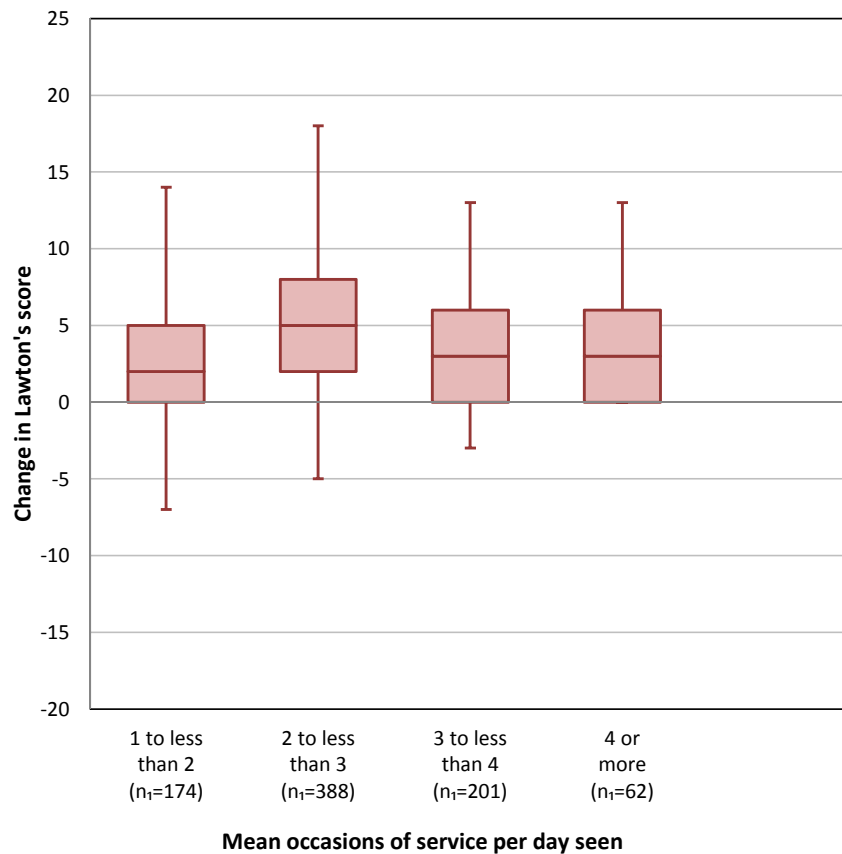


All Submitting Services 2015(n₃)

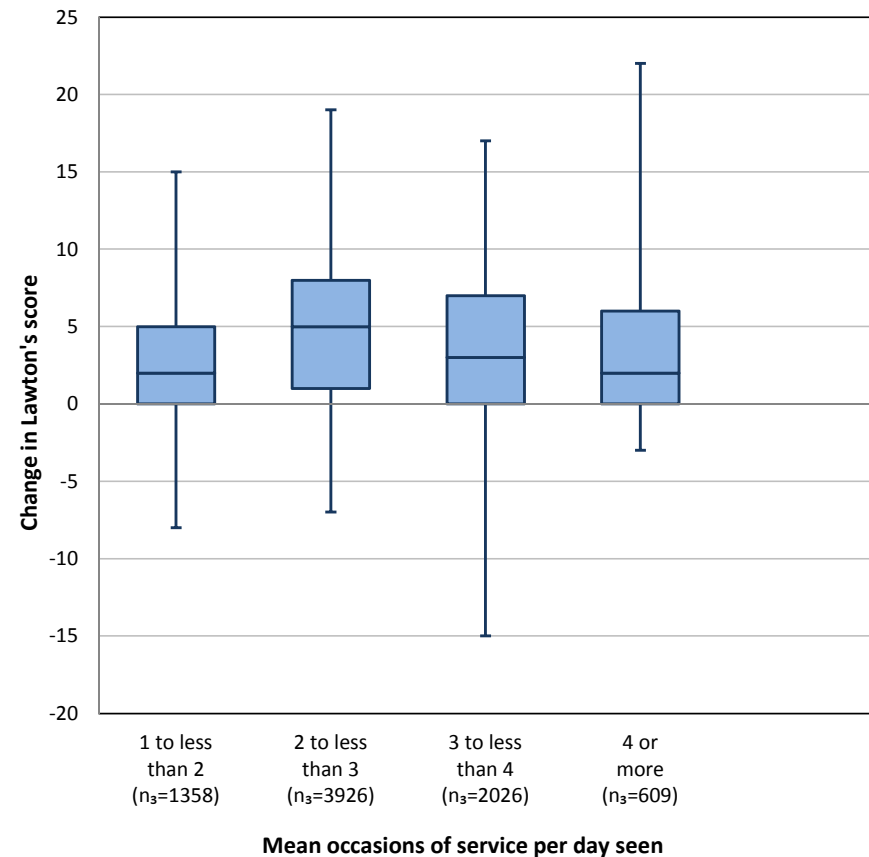


Lawton's score change by OOS/day seen - All episodes

Your Service 2015(n_1)

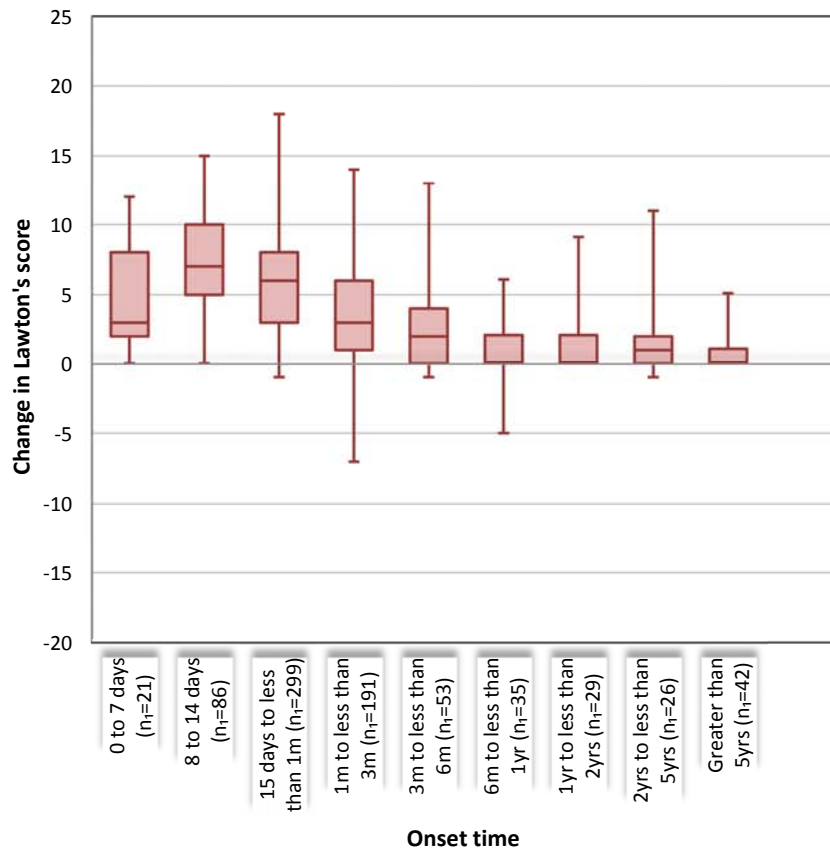


All Submitting Services 2015(n_3)

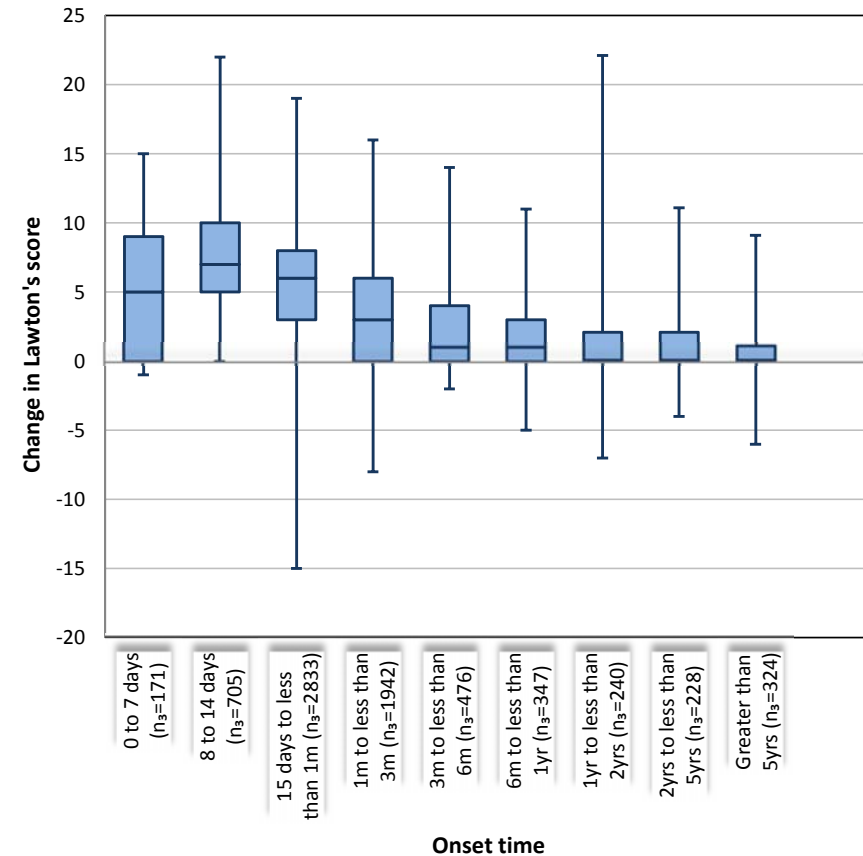


Lawton's score change by onset time - All episodes

Your Service 2015(n_1)



All Submitting Services 2015(n_3)



Lawton's score outcomes - impairment specific

The following section presents analysis of Lawton's score outcomes for the top five impairments (determined by volume) for All Submitting Services in this reporting period.

Analysis for Your Service is provided where Your Service has at least 20 episodes for any of these top five impairments.

Year on year analysis of Lawton's score outcomes for all other impairments is available for All Submitting Services in the 'AROC Ambulatory Report (Pathway 4) - Anywhere Hospital – Calendar Year 2013' report, available from the AROC website under 'AROC Annual Report and Benchmarks'.

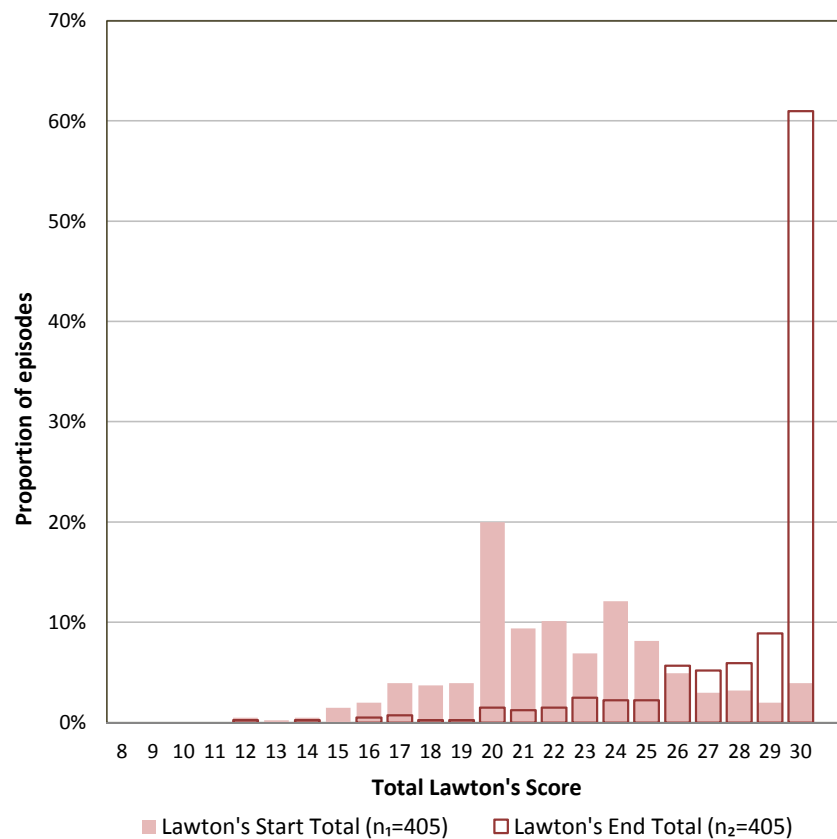
- Orthopaedic - replacements..... 57
- Orthopaedic - fractures..... 63
- Orthopaedic - other..... 69
- Reconditioning..... 75
- Stroke..... 81



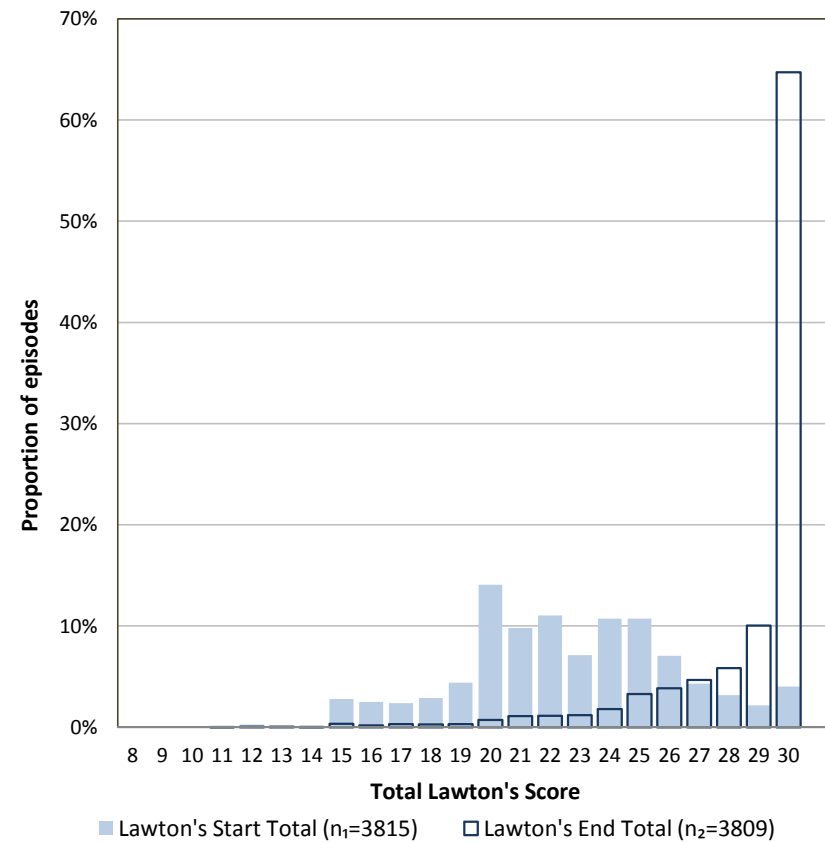
Lawton's score outcomes - Orthopaedic replacements

Lawton's start and end total - Orthopaedic replacements

Your Service 2015

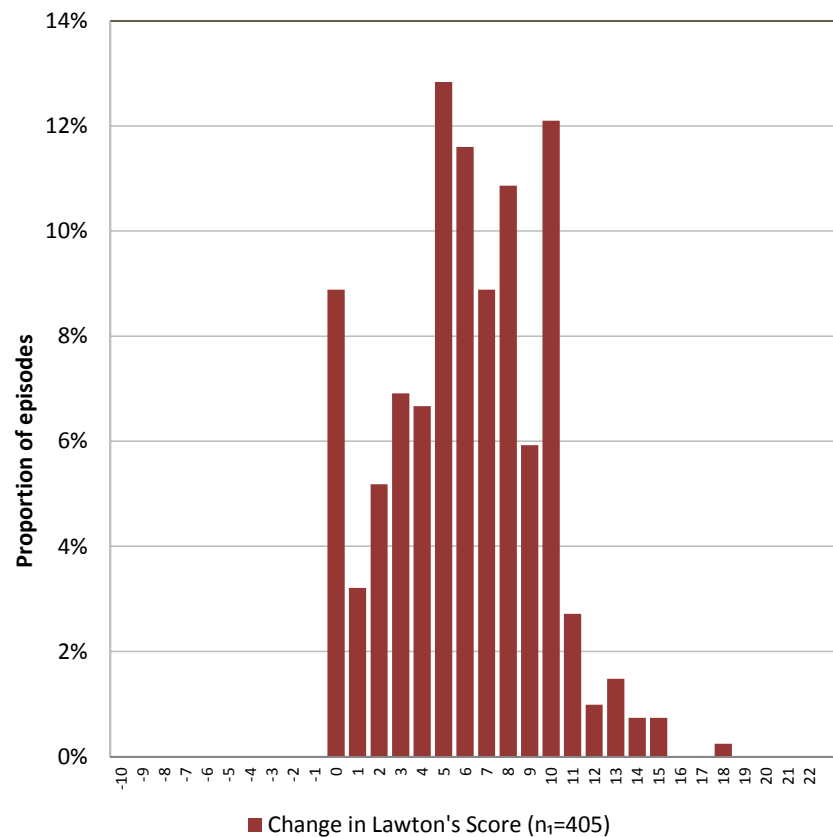


All Submitting Services 2015

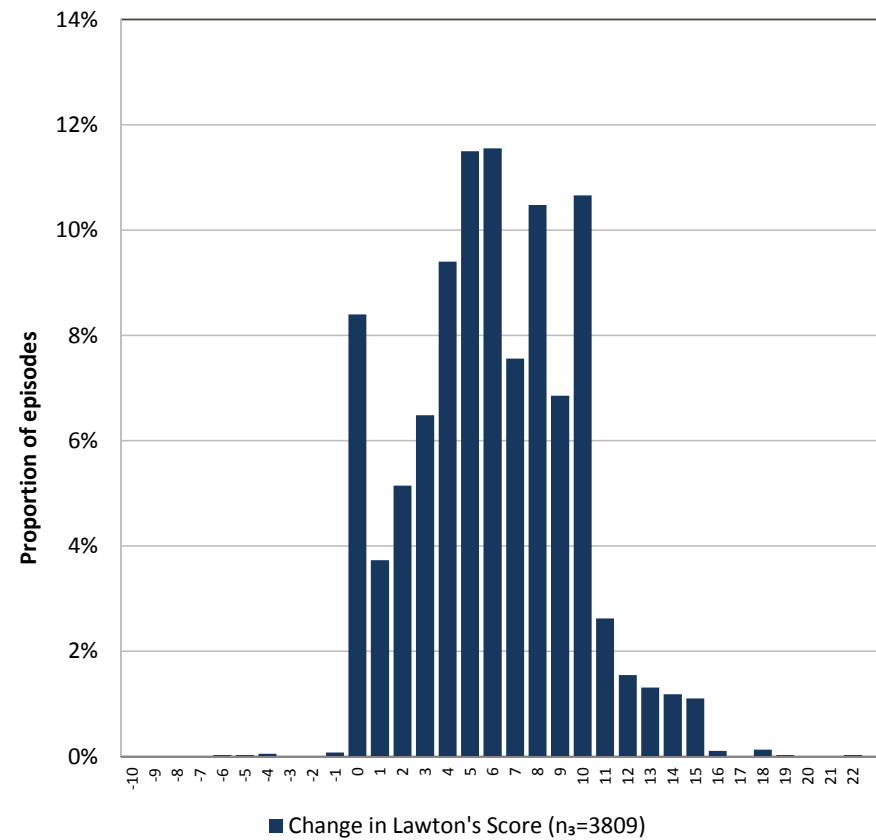


Change in Lawton's score - Orthopaedic replacements

Your Service 2015(n_1)

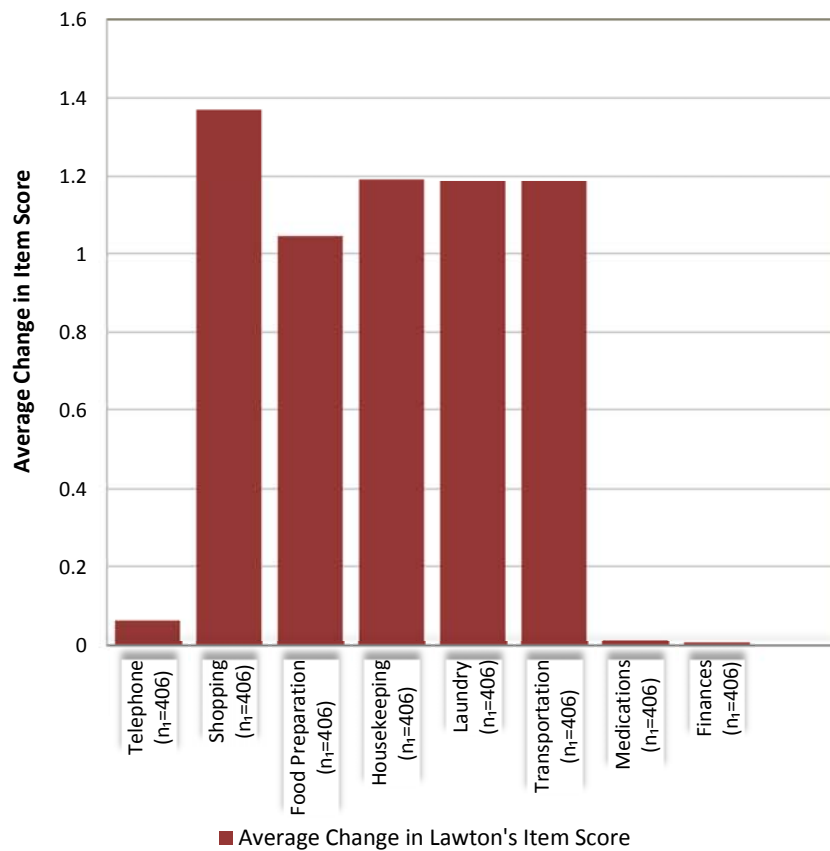


All Submitting Services 2015(n_3)

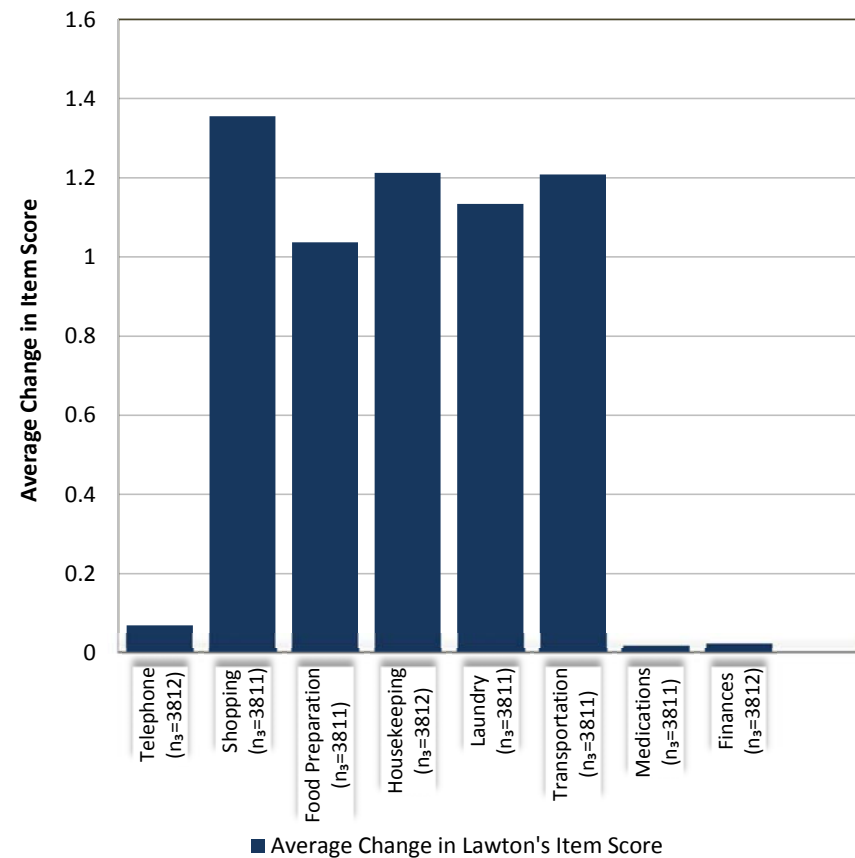


Change in Lawton's item scores - Orthopaedic replacements

Your Service 2015(n_1)

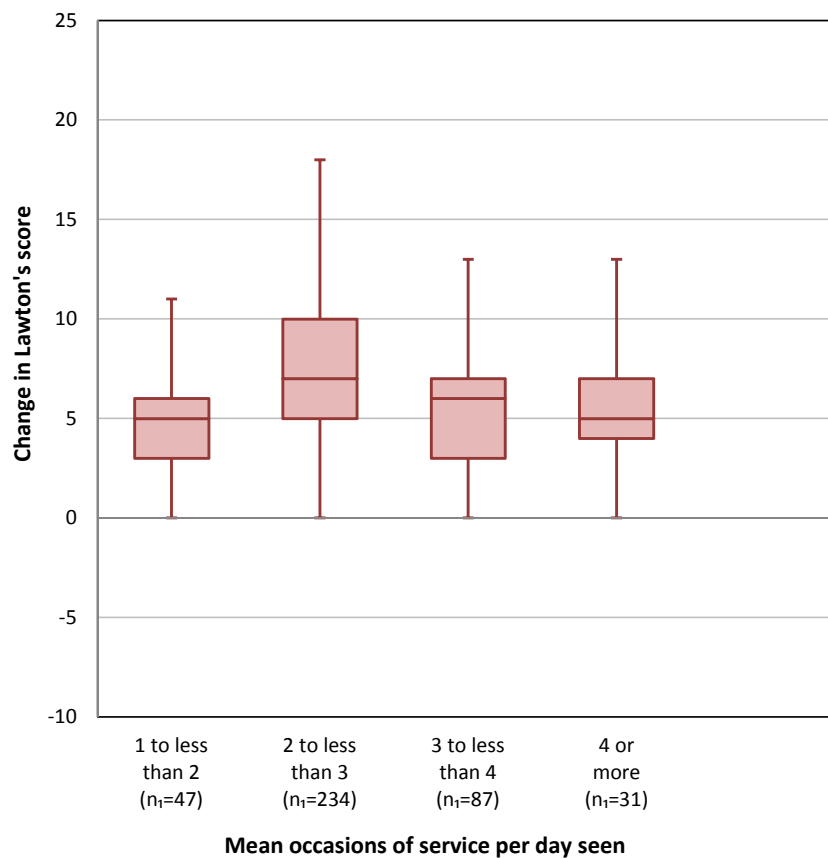


All Submitting Services 2015(n_3)

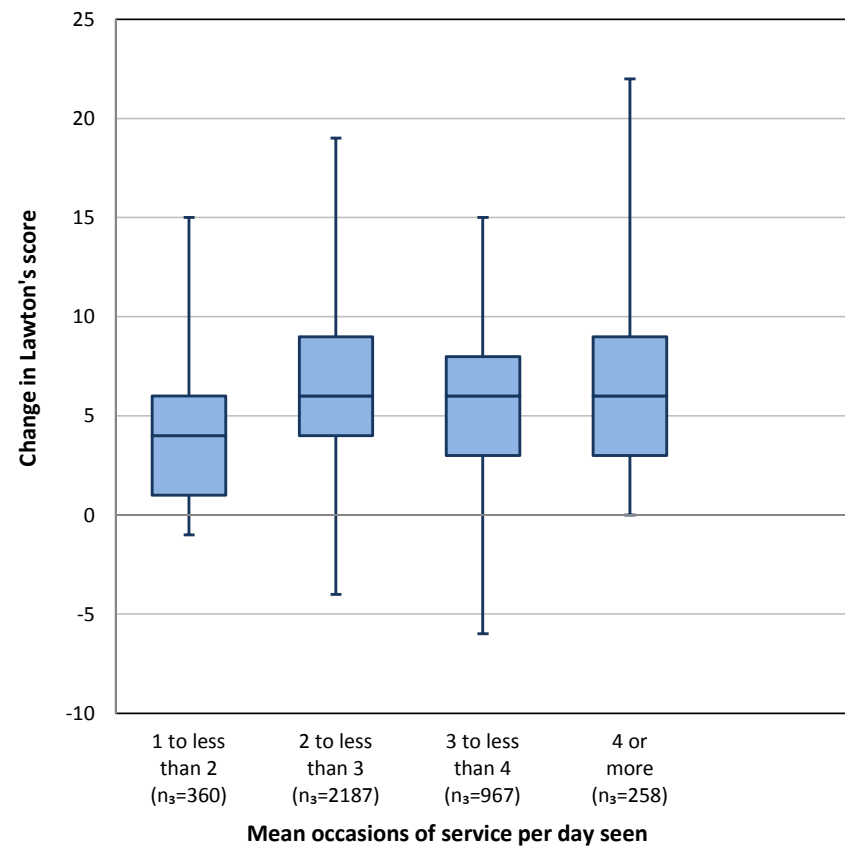


Lawton's score change by OOS/day seen - Orthopaedic replacements

Your Service 2015(n_1)

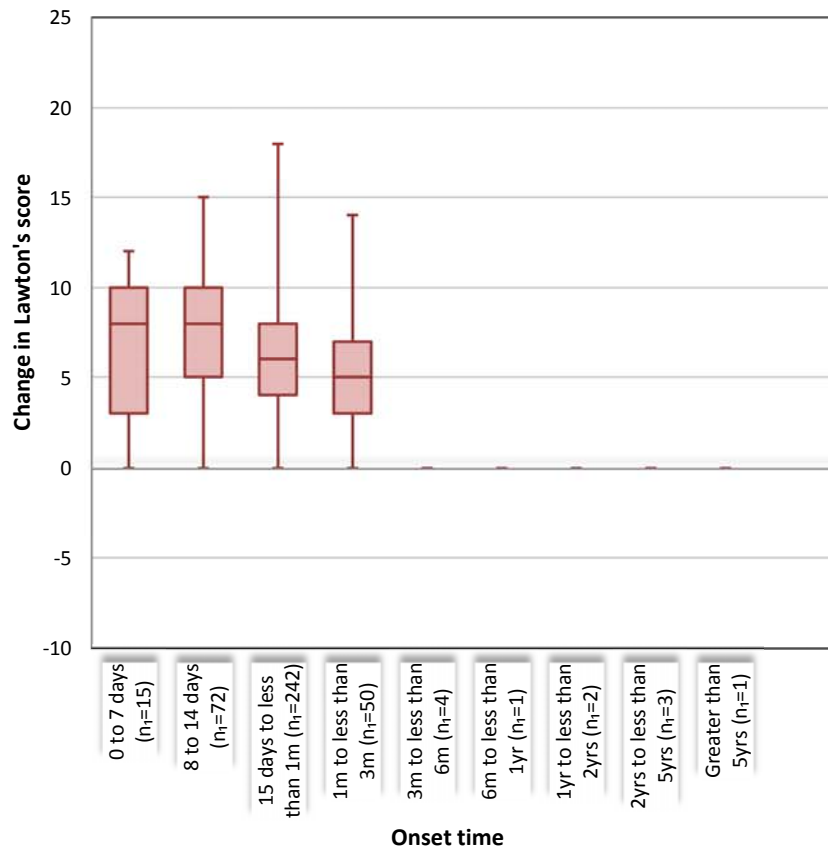


All Submitting Services 2015(n_3)

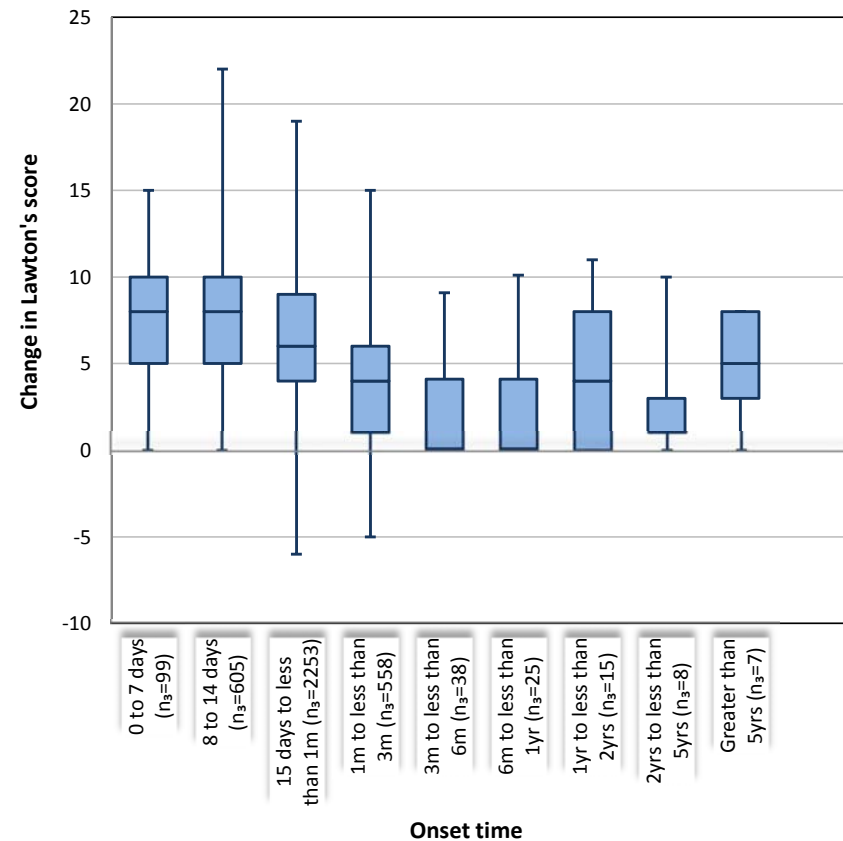


Lawton's score change by onset time - Orthopaedic replacements

Your Service 2015(n_1)



All Submitting Services 2015(n_3)

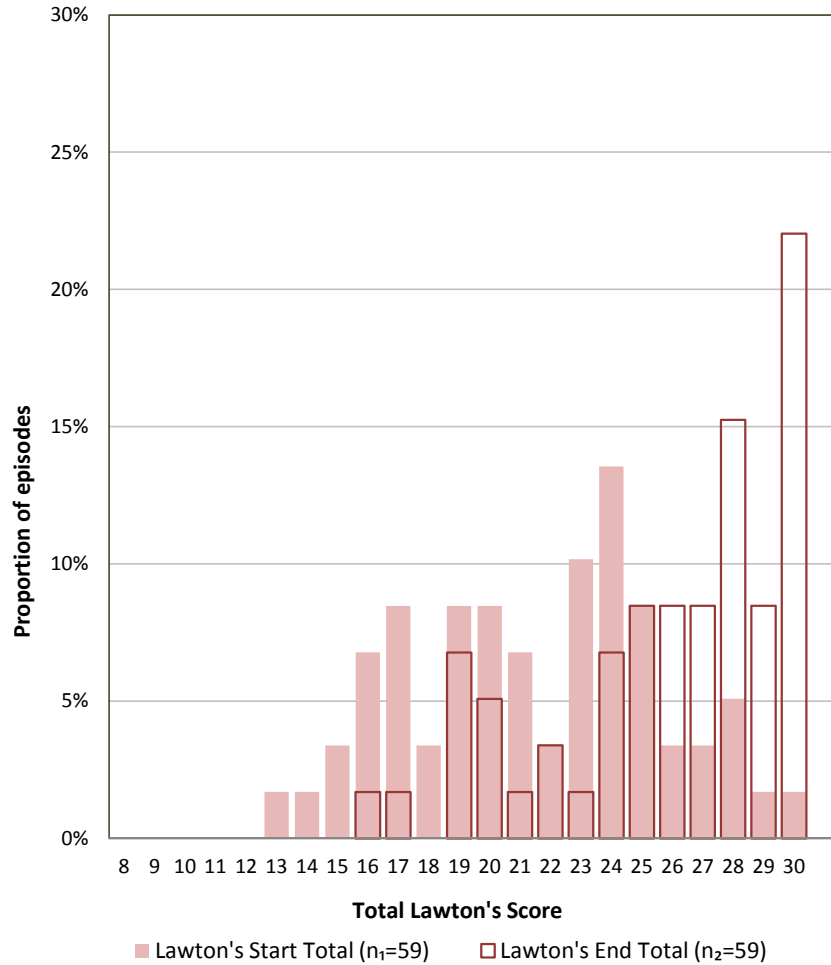




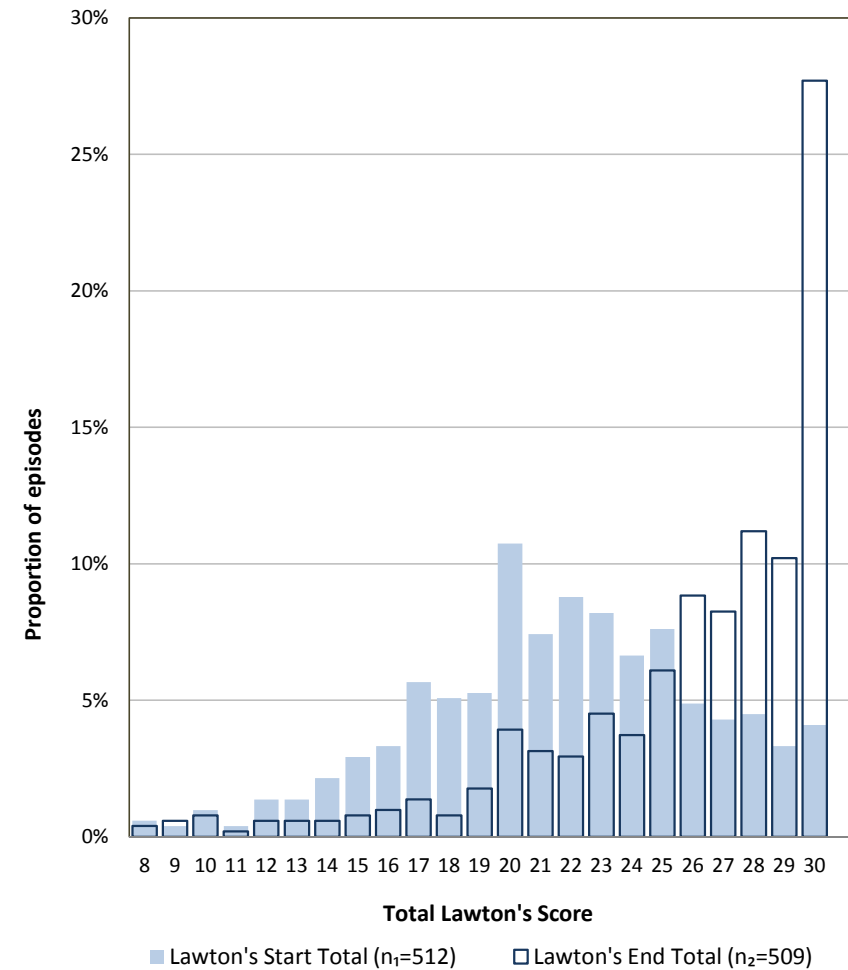
Lawton's score outcomes - Orthopaedic fractures

Lawton's start and end total - Orthopaedic fractures

Your Service 2015

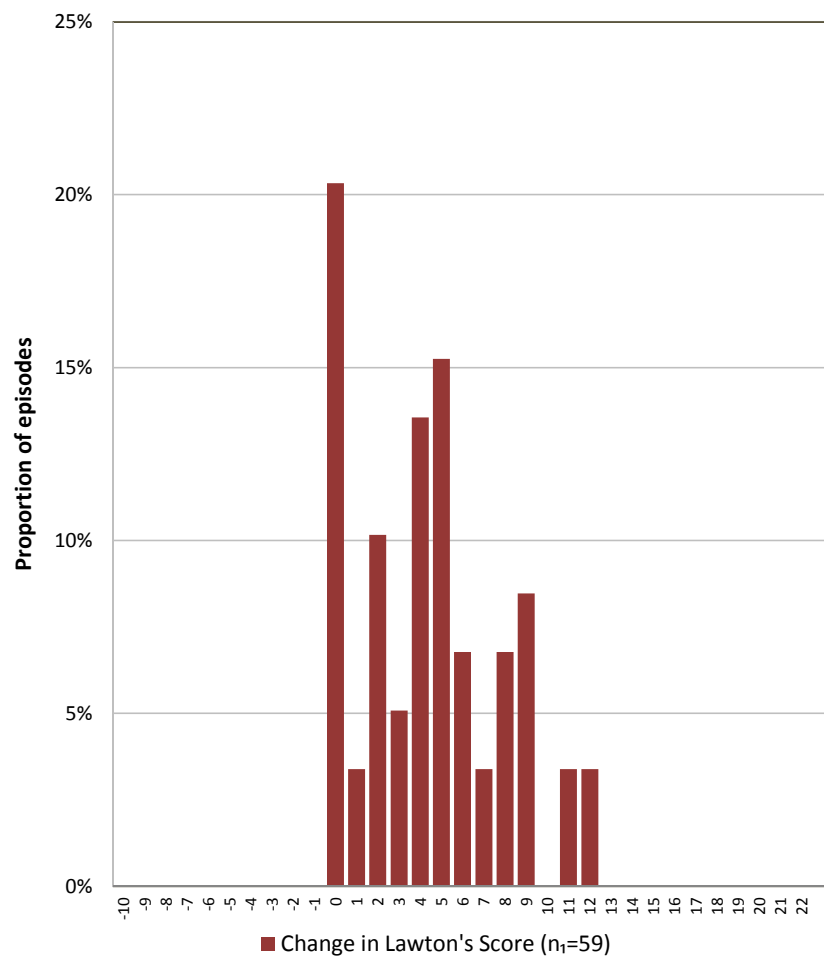


All Submitting Services 2015

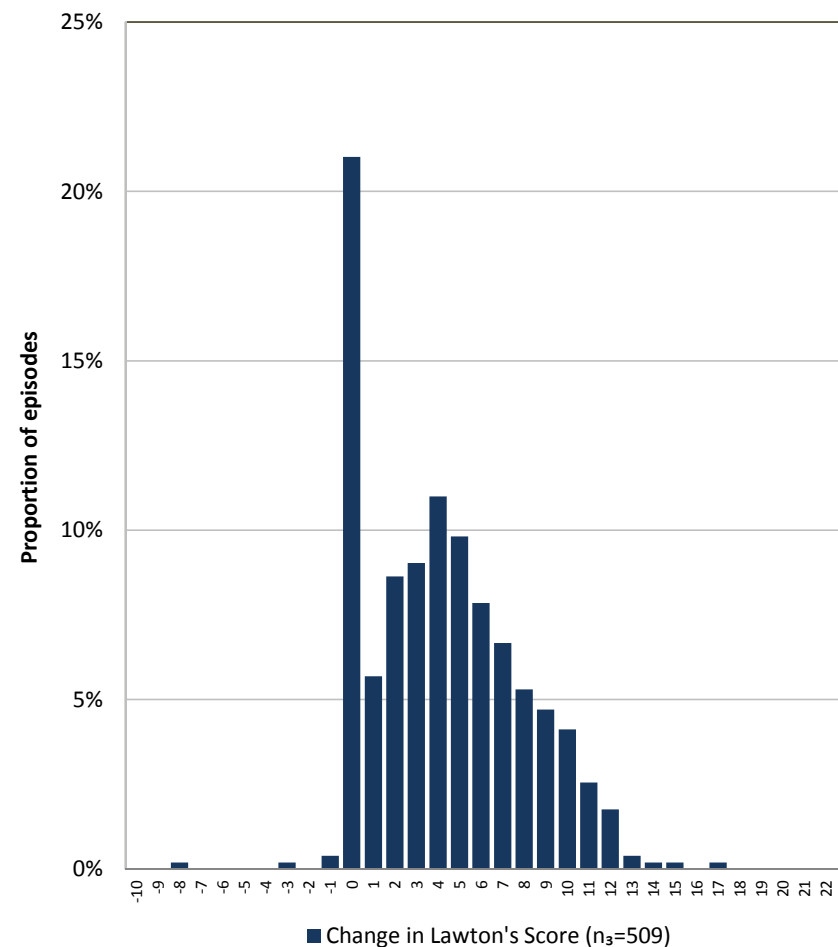


Change in Lawton's score - Orthopaedic fractures

Your Service 2015(n_1)

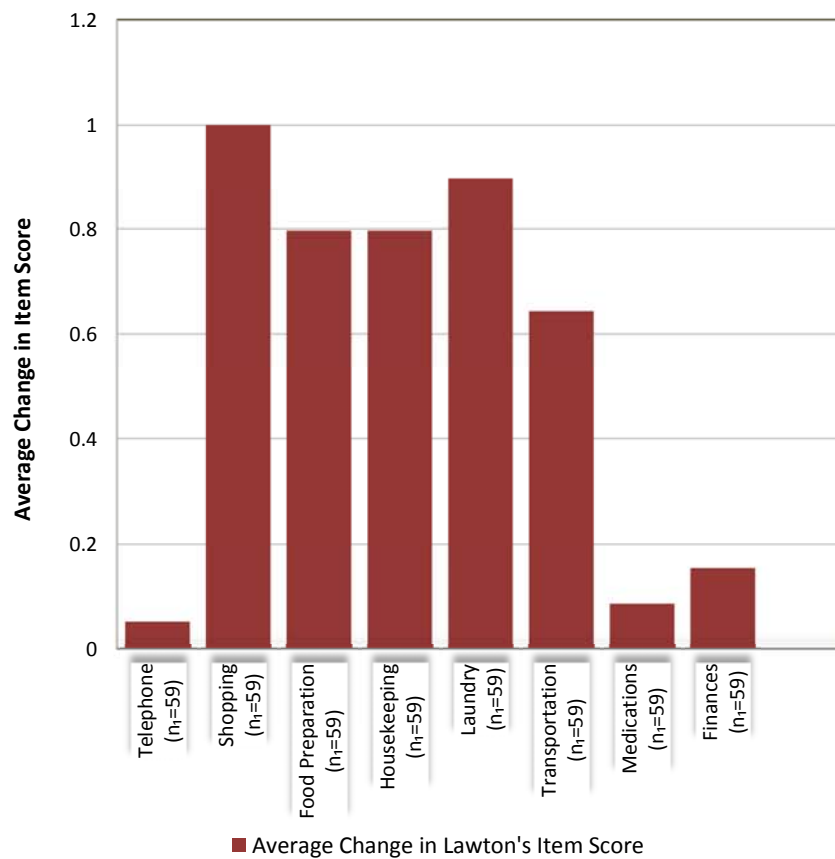


All Submitting Services 2015(n_3)

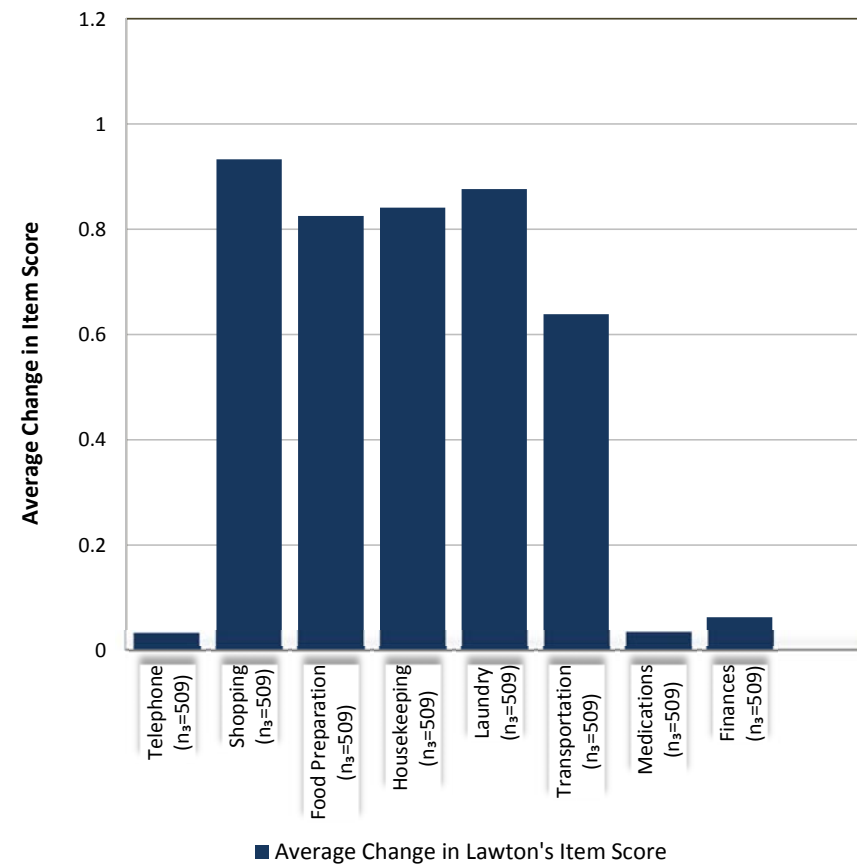


Change in Lawton's item scores - Orthopaedic fractures

Your Service 2015(n_1)

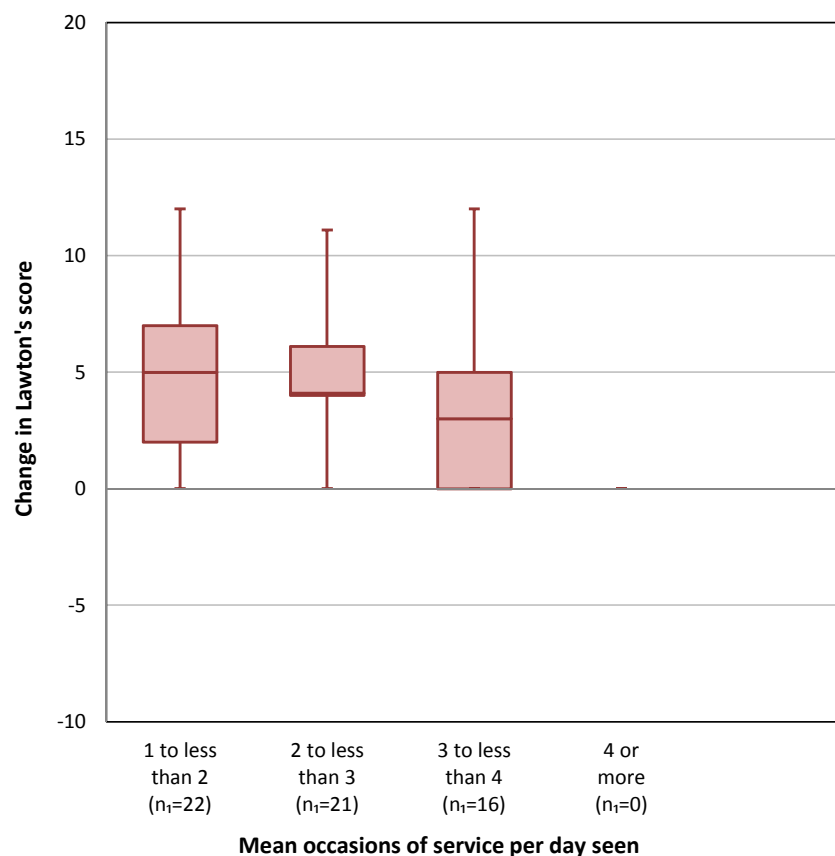


All Submitting Services 2015(n_3)

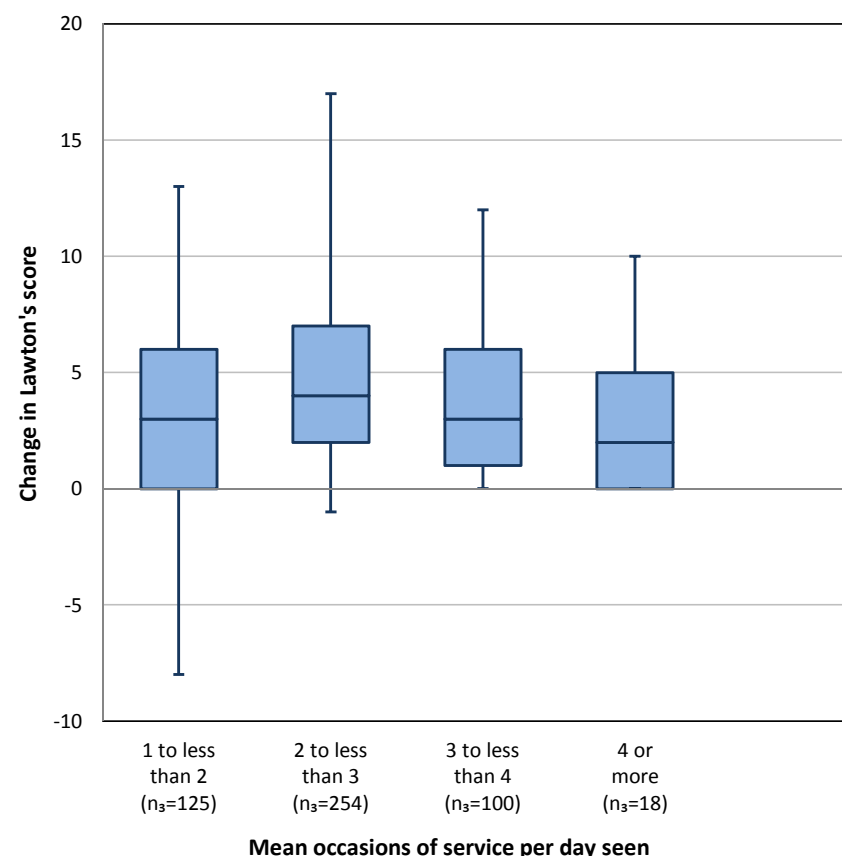


Lawton's score change by OOS/day seen - Orthopaedic fractures

Your Service 2015(n_1)

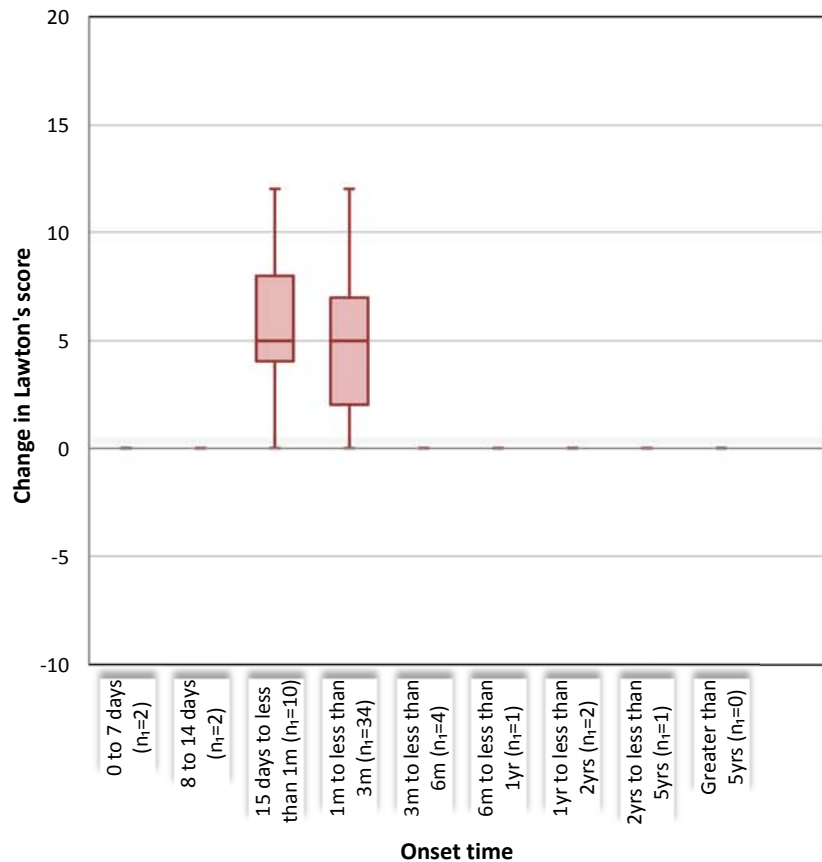


All Submitting Services 2015(n_3)

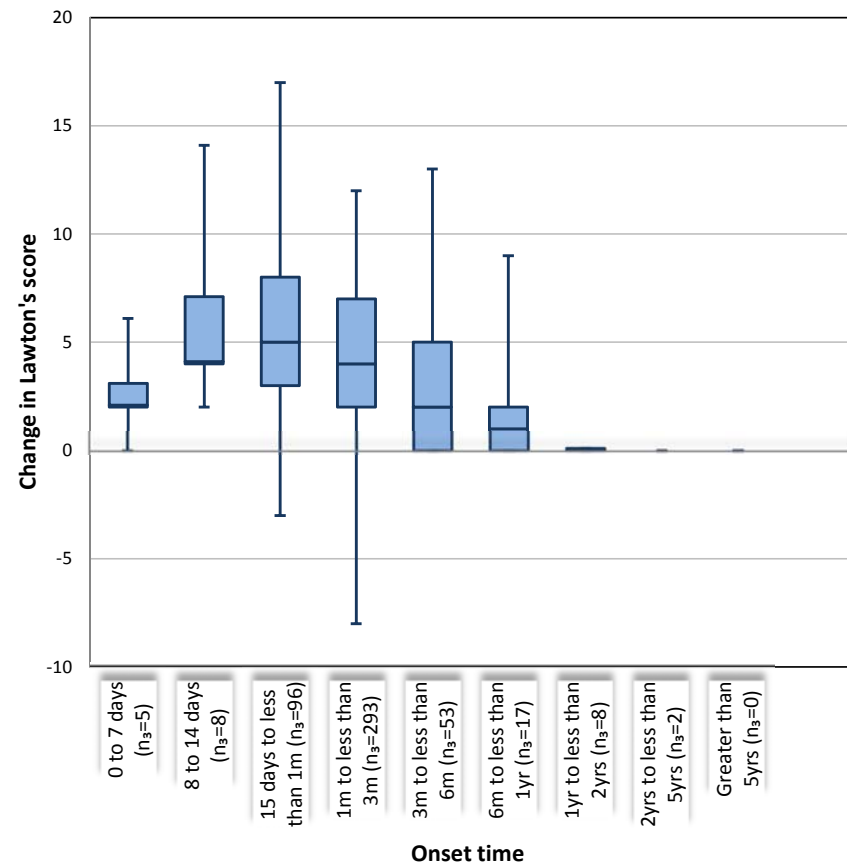


Lawton's score change by onset time - Orthopaedic fractures

Your Service 2015(n_1)



All Submitting Services 2015(n_3)

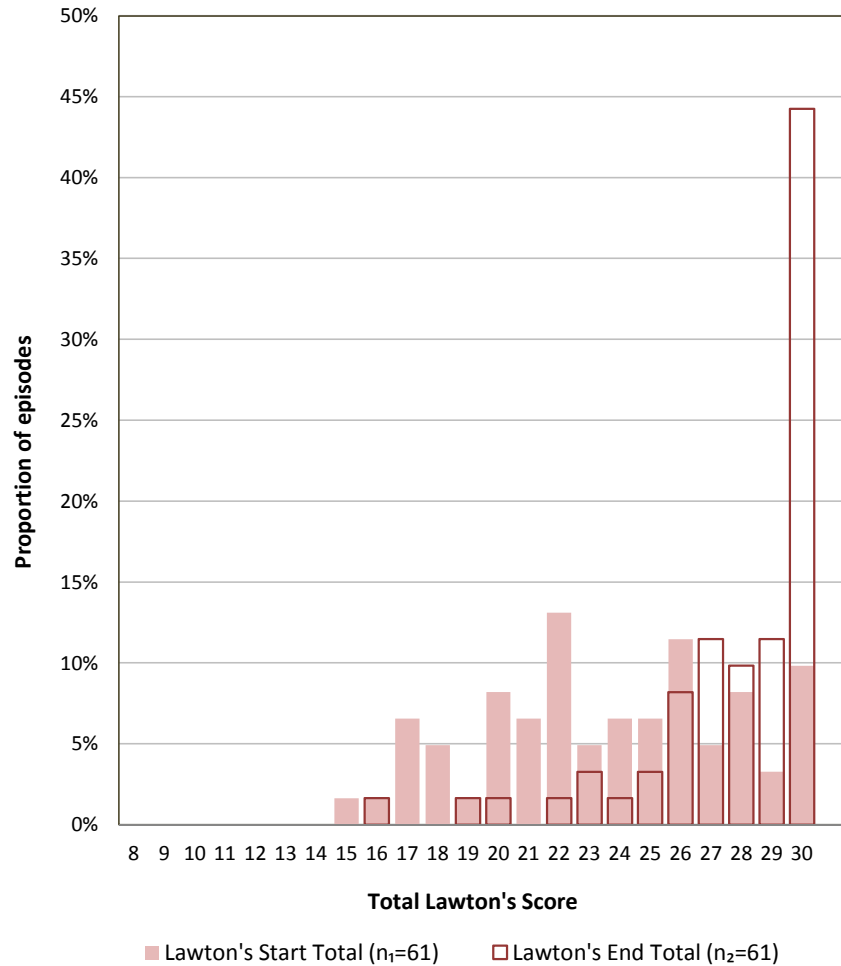




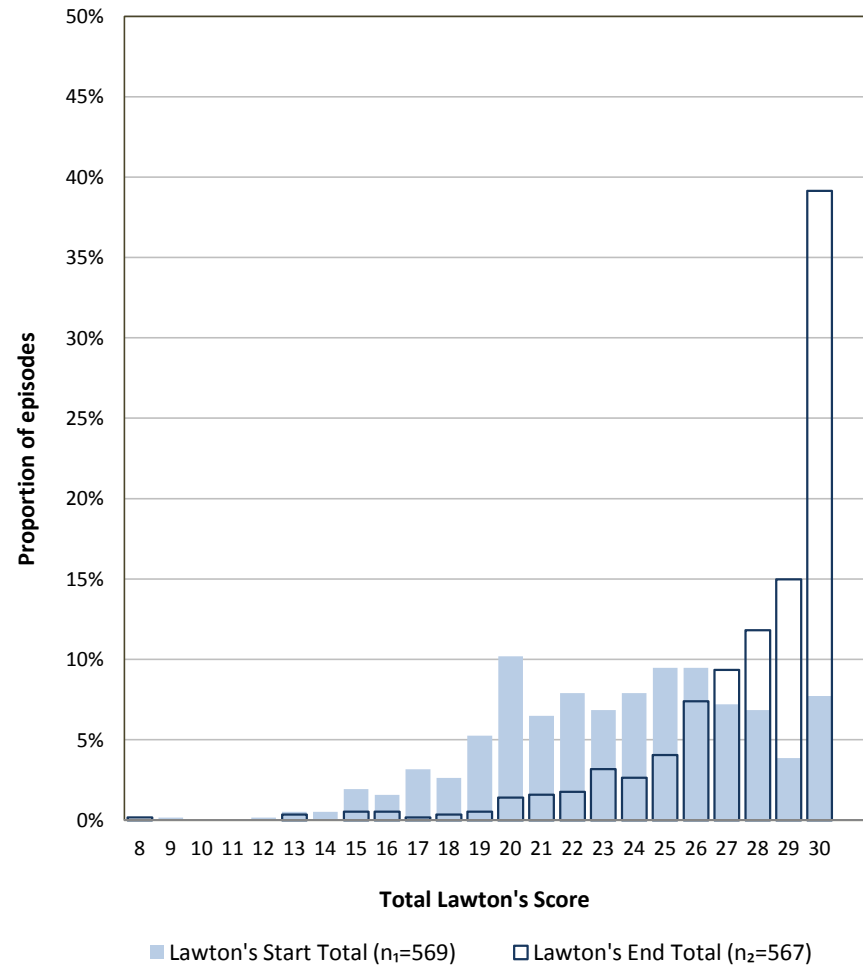
Lawton's score outcomes - Orthopaedic other

Lawton's start and end total - Orthopaedic other

Your Service 2015

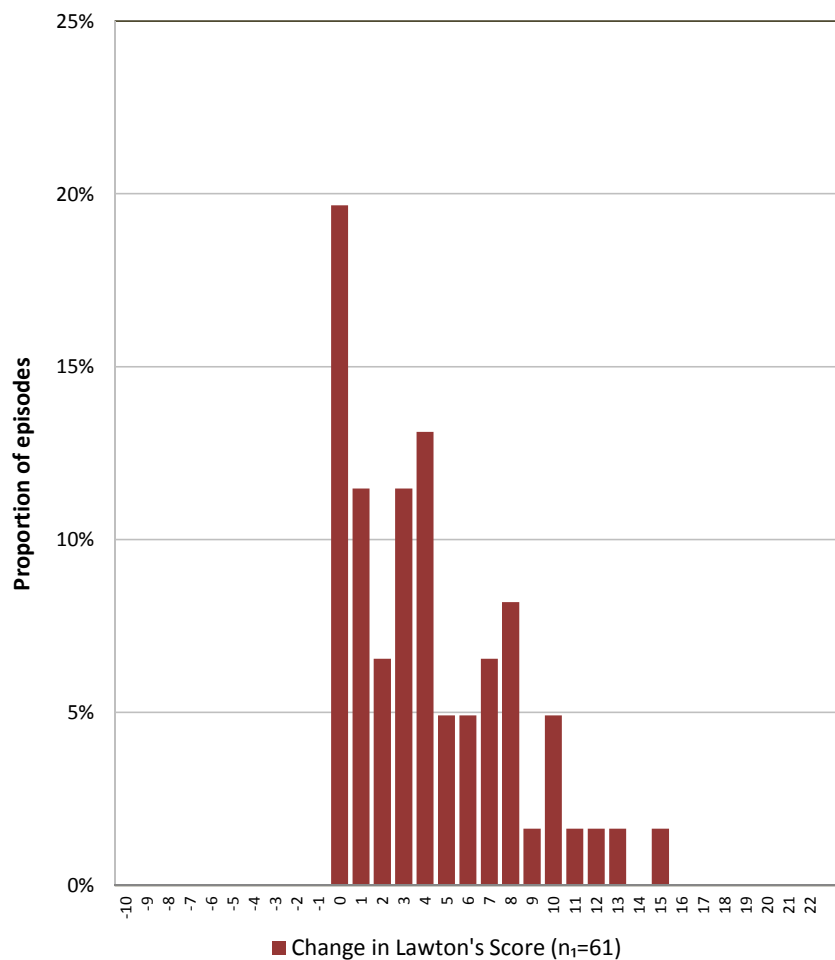


All Submitting Services 2015

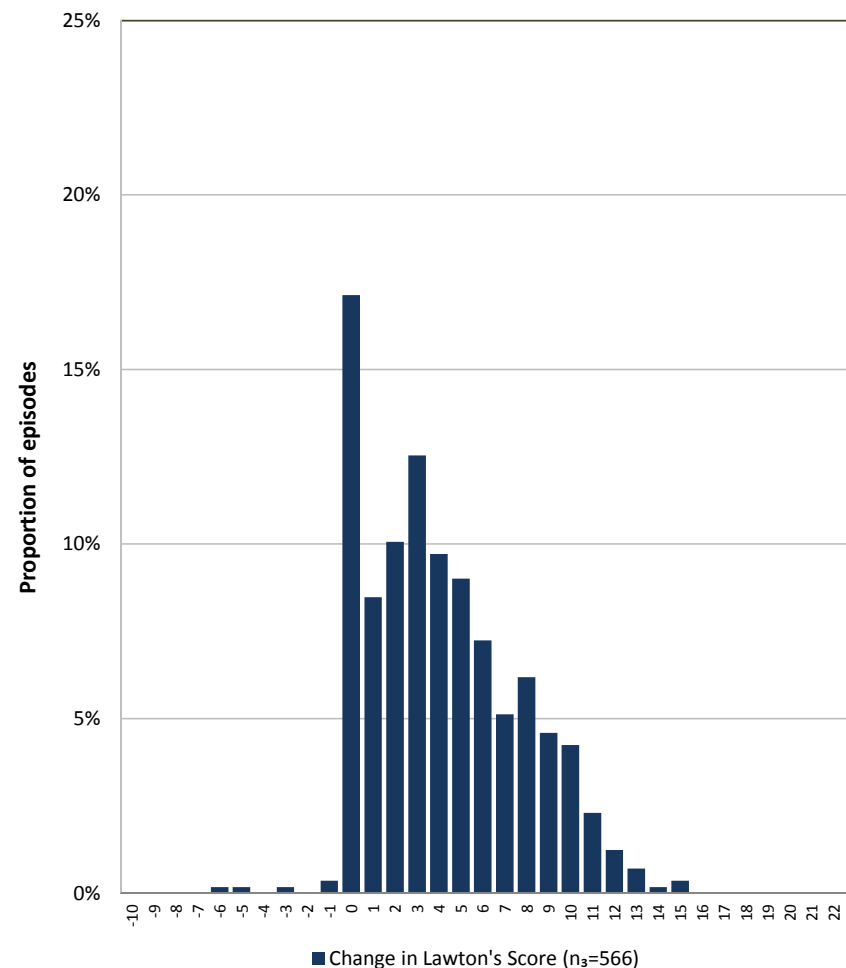


Change in Lawton's score - Orthopaedic other

Your Service 2015(n_1)

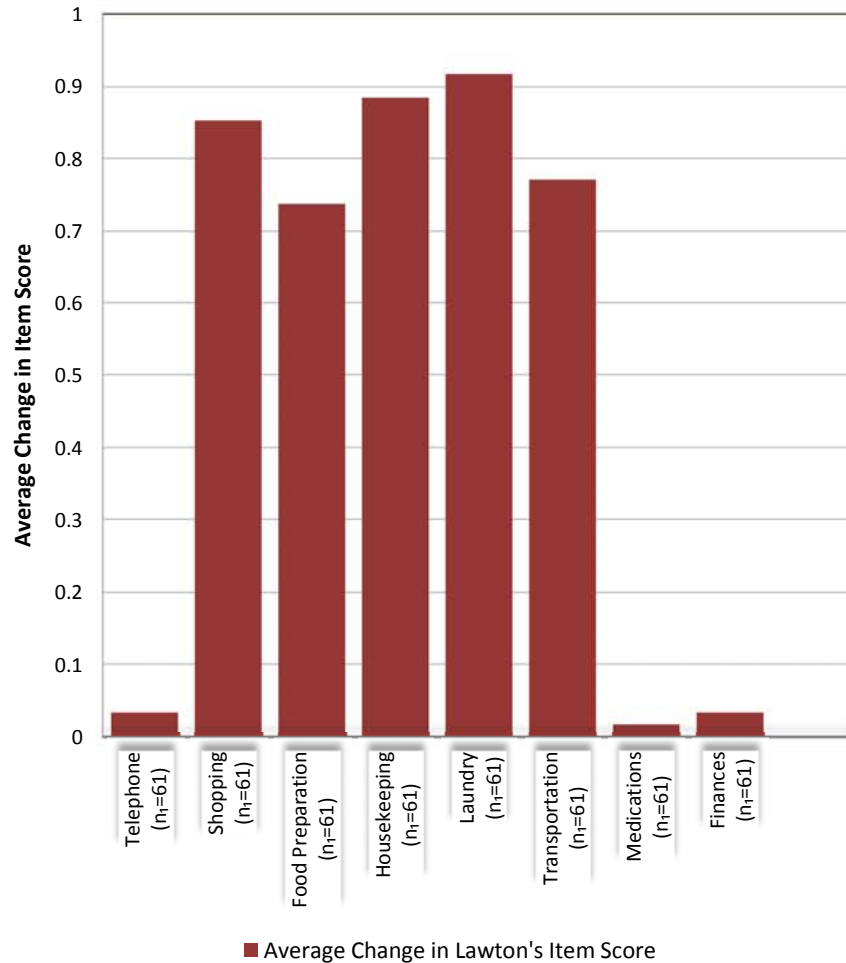


All Submitting Services 2015(n_3)

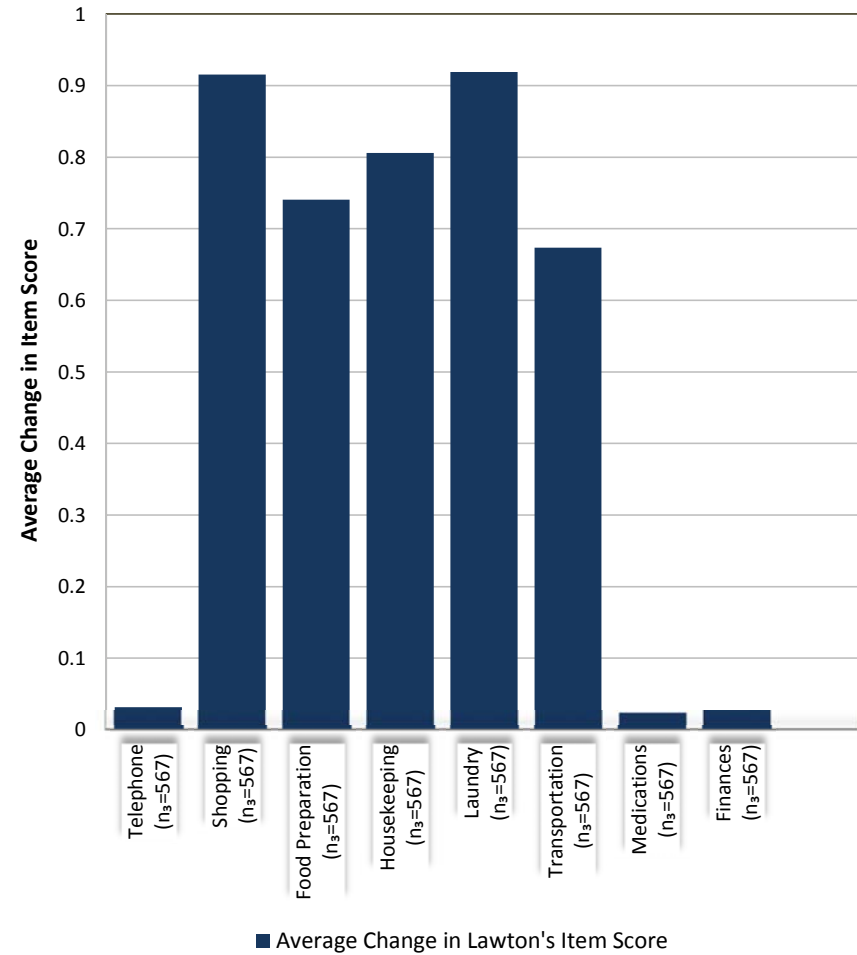


Change in Lawton's item scores - Orthopaedic other

Your Service 2015(n₁)

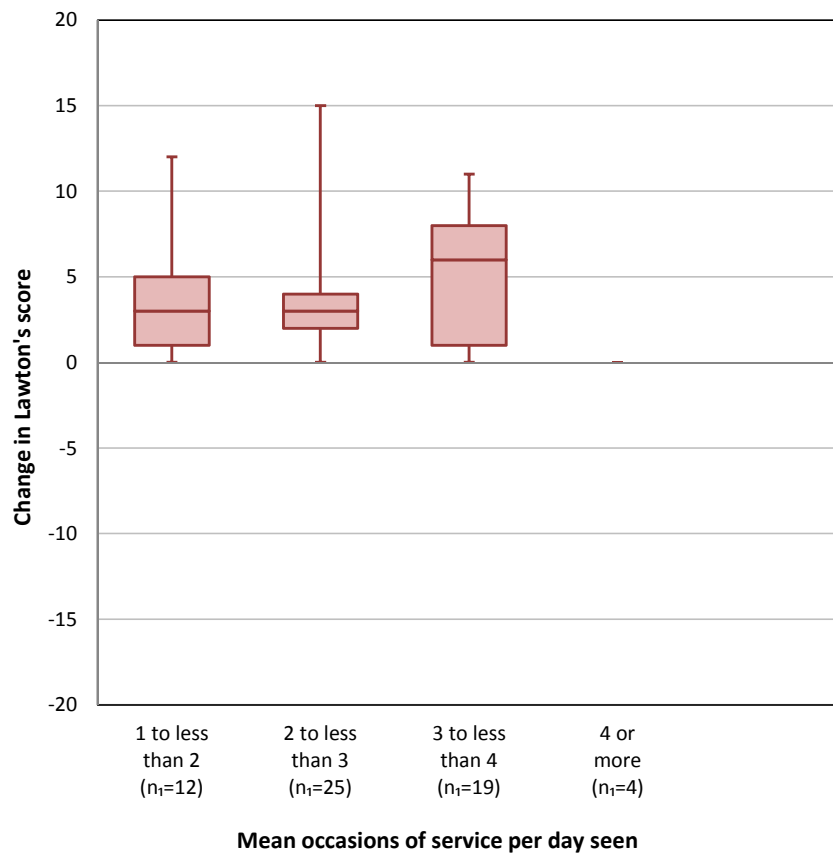


All Submitting Services 2015(n₃)

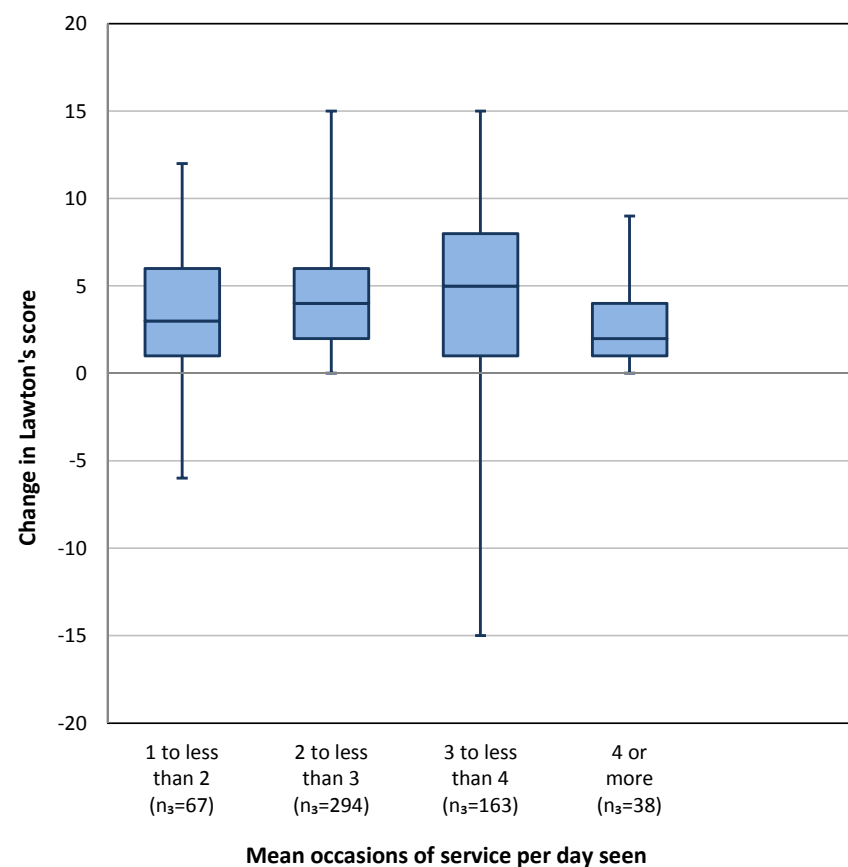


Lawton's score change by OOS/day seen - Orthopaedic other

Your Service 2015(n_1)

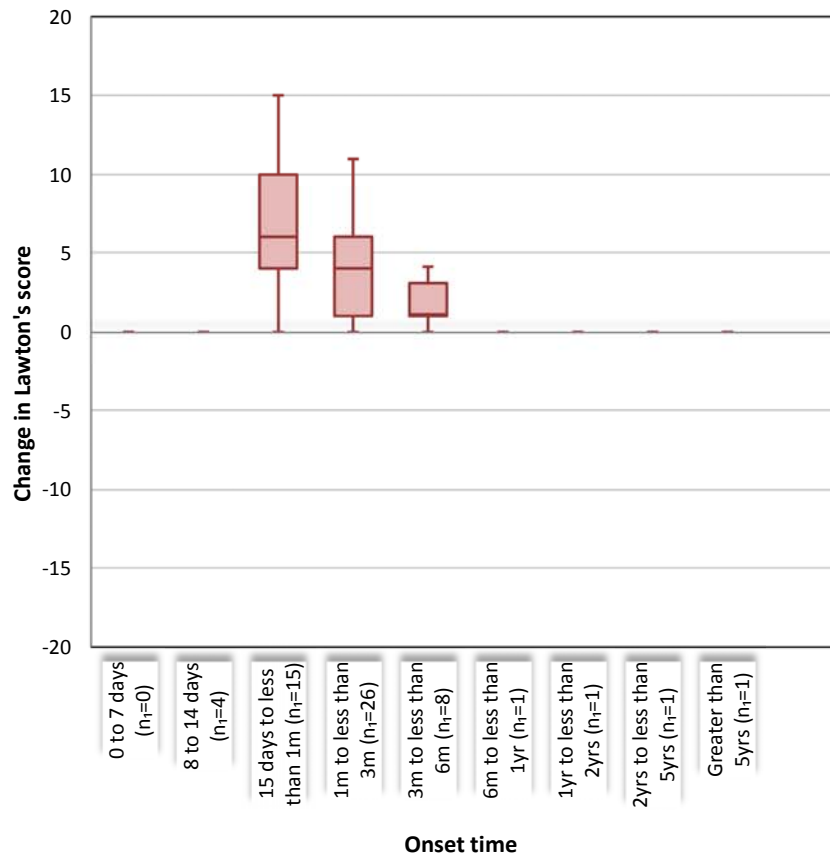


All Submitting Services 2015(n_3)

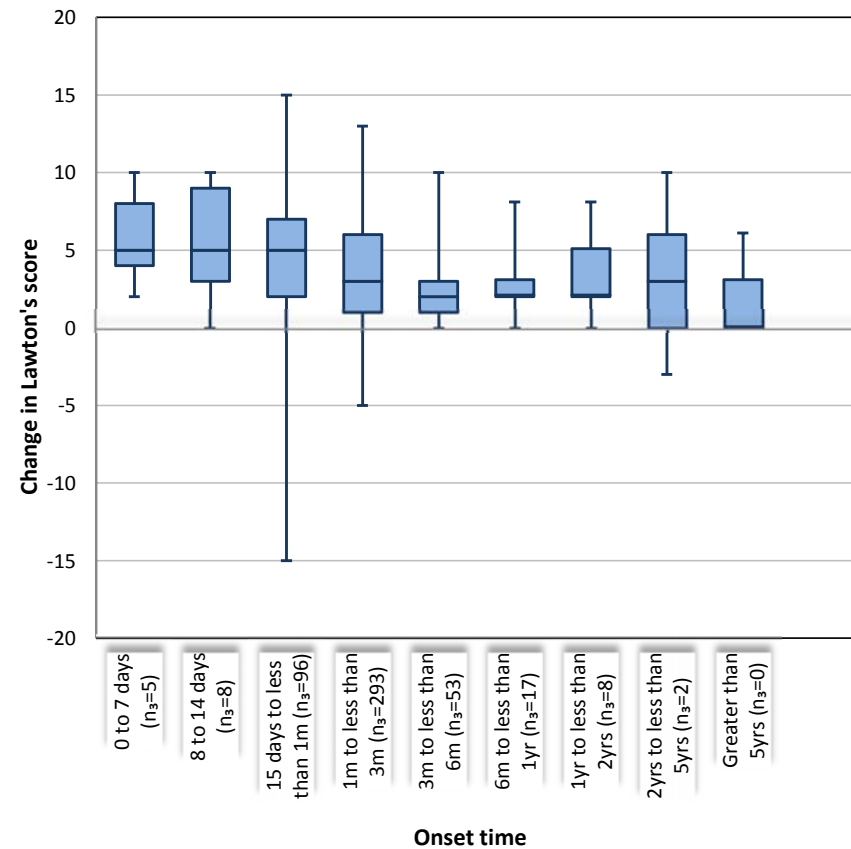


Lawton's score change by onset time - Orthopaedic other

Your Service 2015(n_1)



All Submitting Services 2015(n_3)

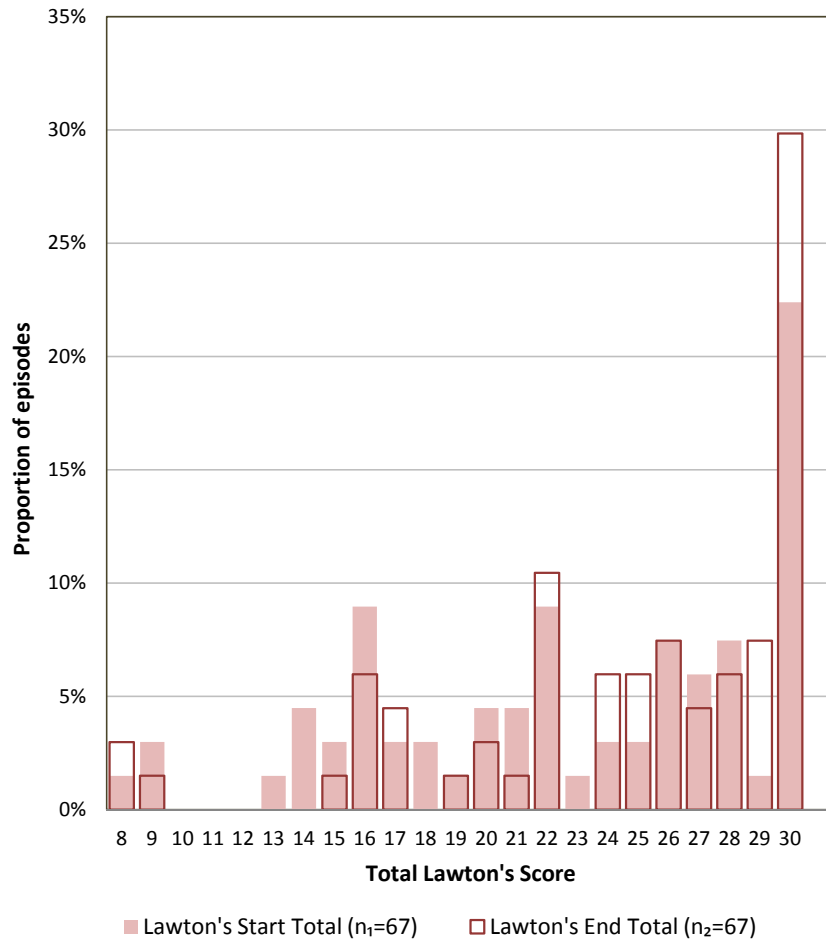




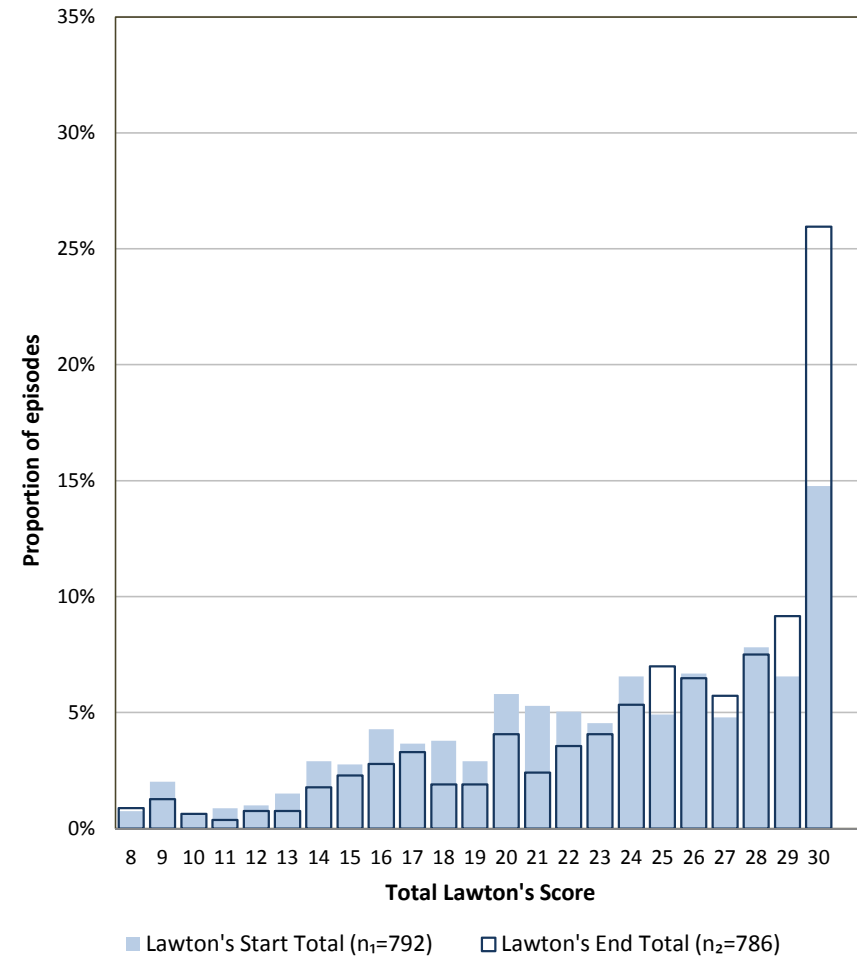
Lawton's score outcomes - Reconditioning

Lawton's start and end total - Reconditioning

Your Service 2015

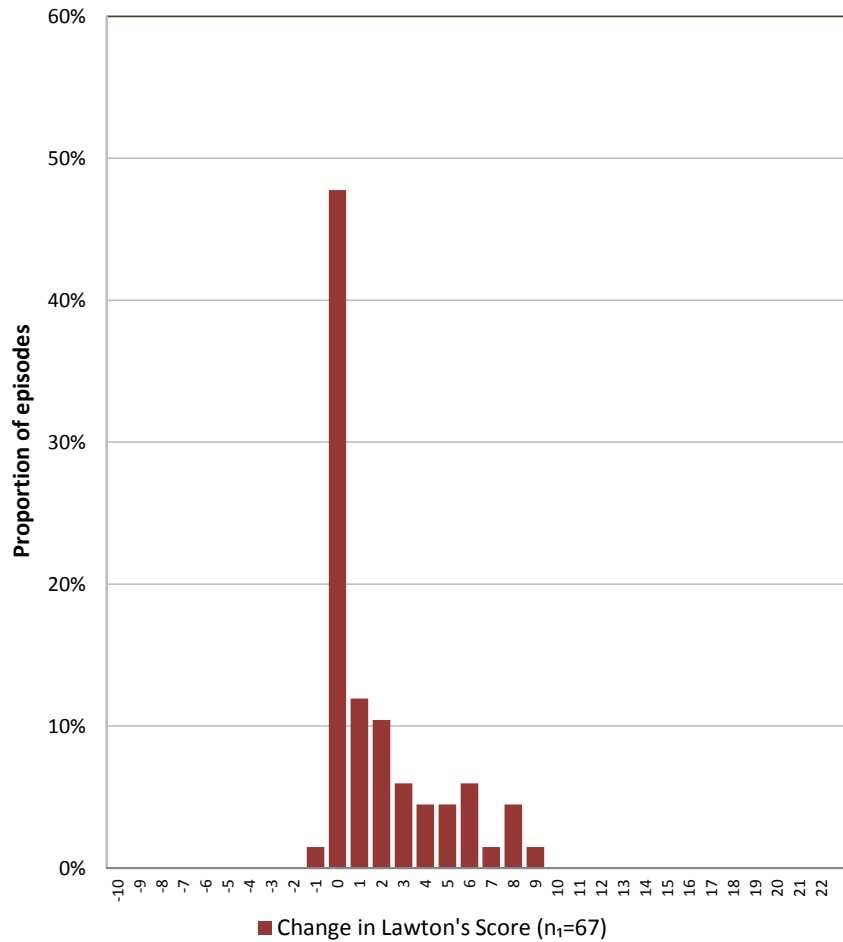


All Submitting Services 2015

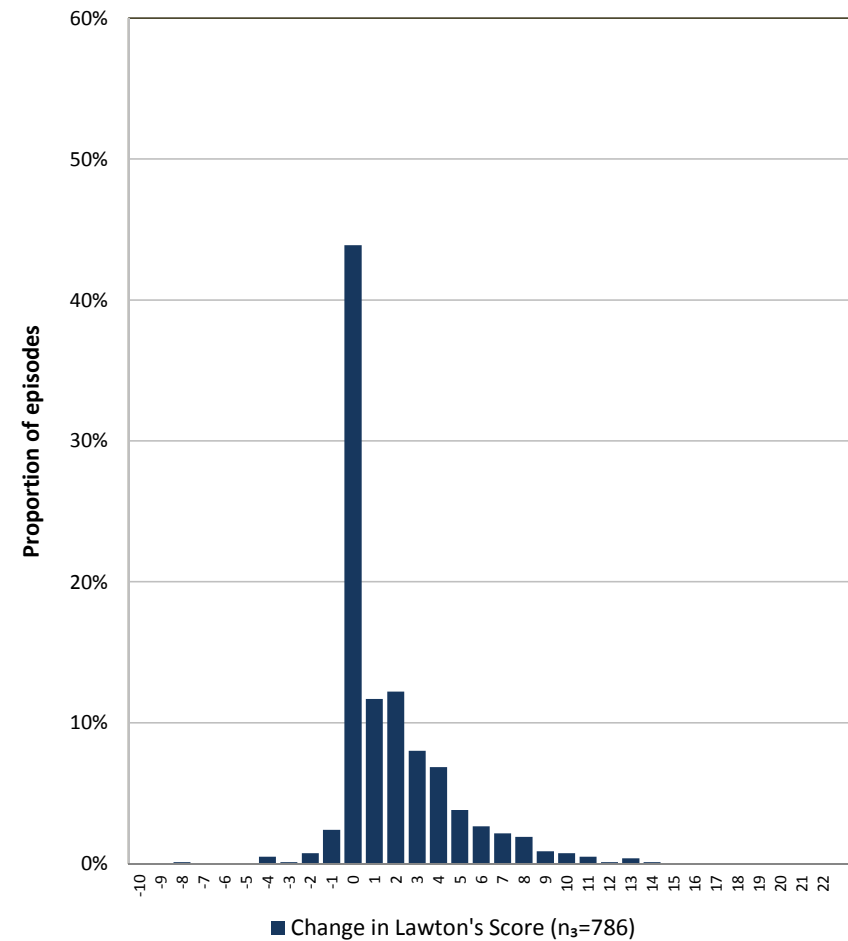


Change in Lawton's score - Reconditioning

Your Service 2015(n_1)

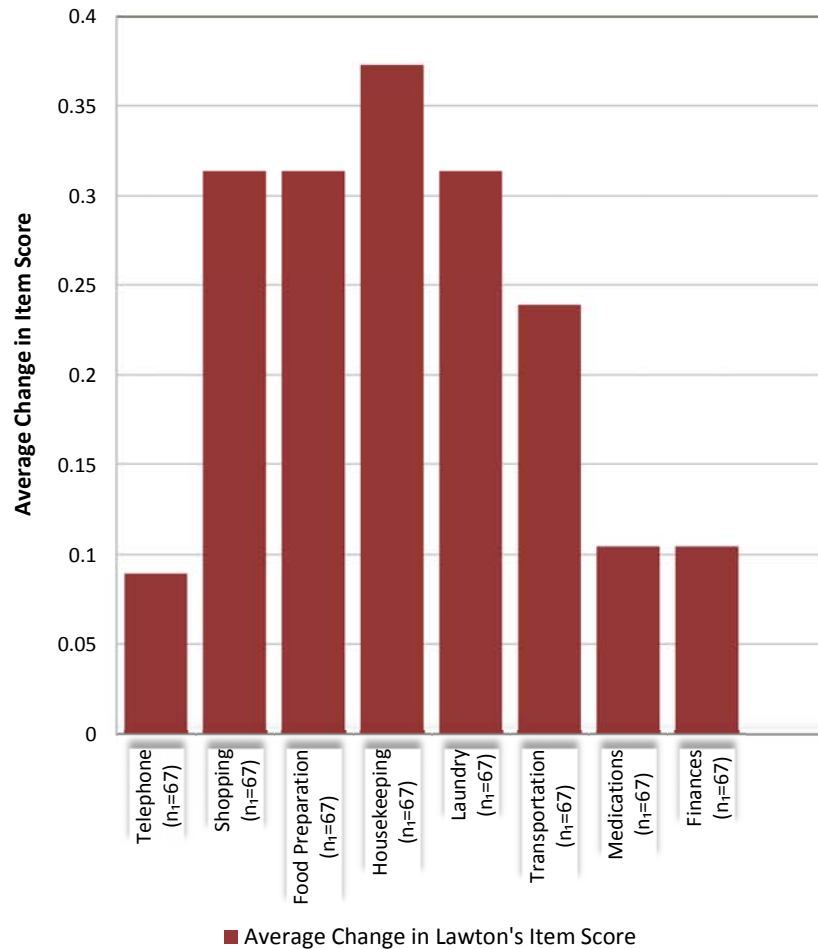


All Submitting Services 2015(n_3)

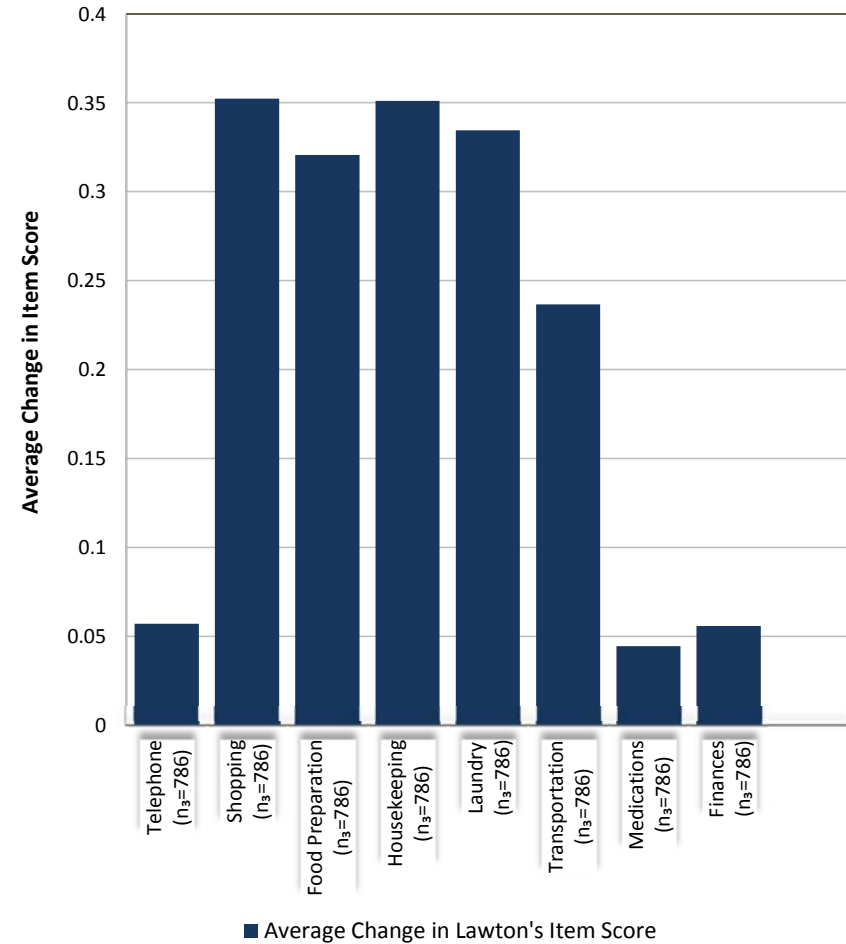


Change in Lawton's item scores - Reconditioning

Your Service 2015(n_1)

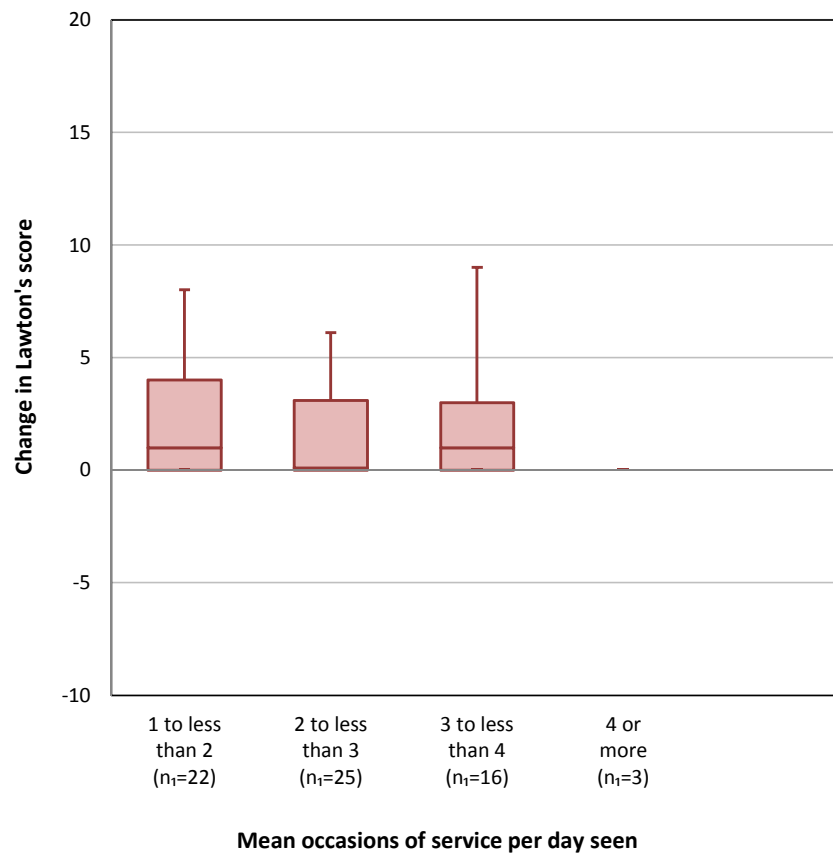


All Submitting Services 2015(n_3)

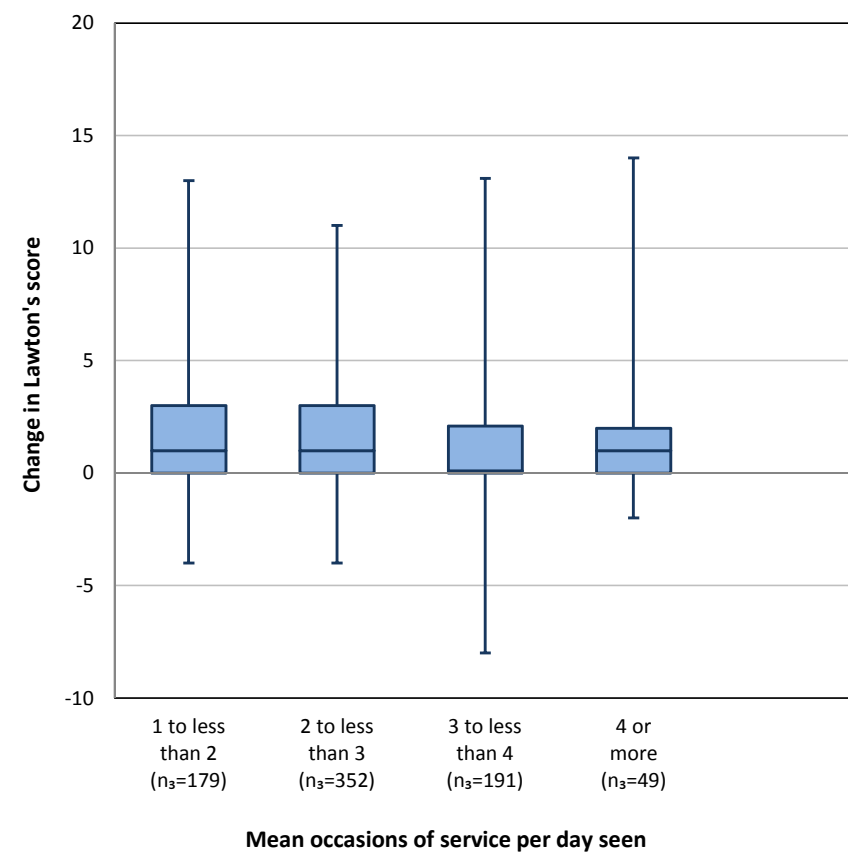


Lawton's score change by OOS/day seen - Reconditioning

Your Service 2015(n_1)

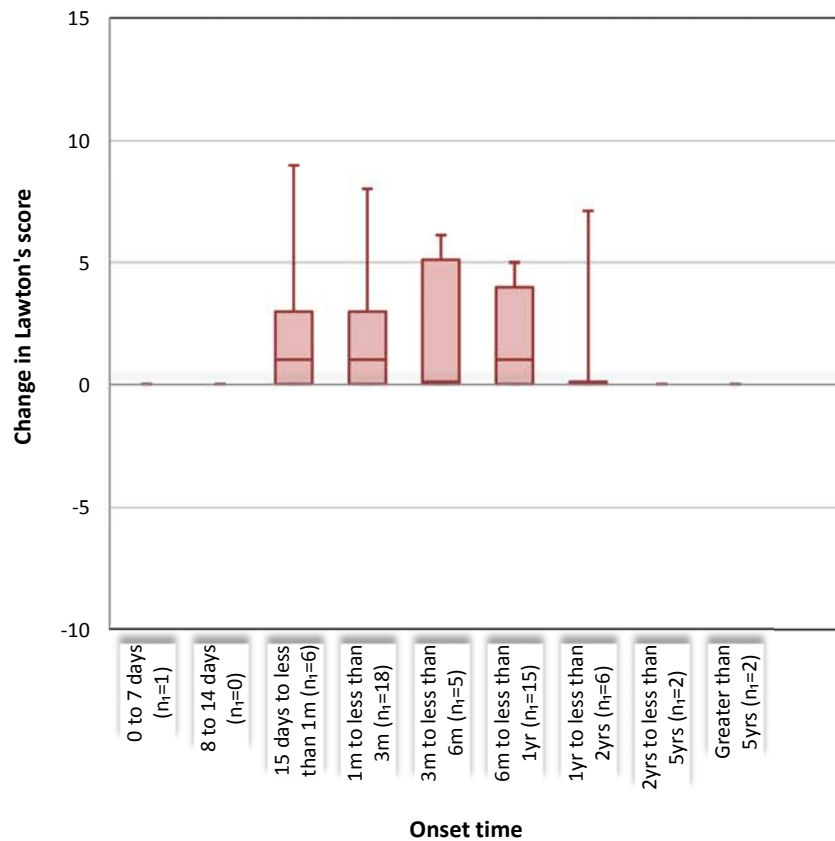


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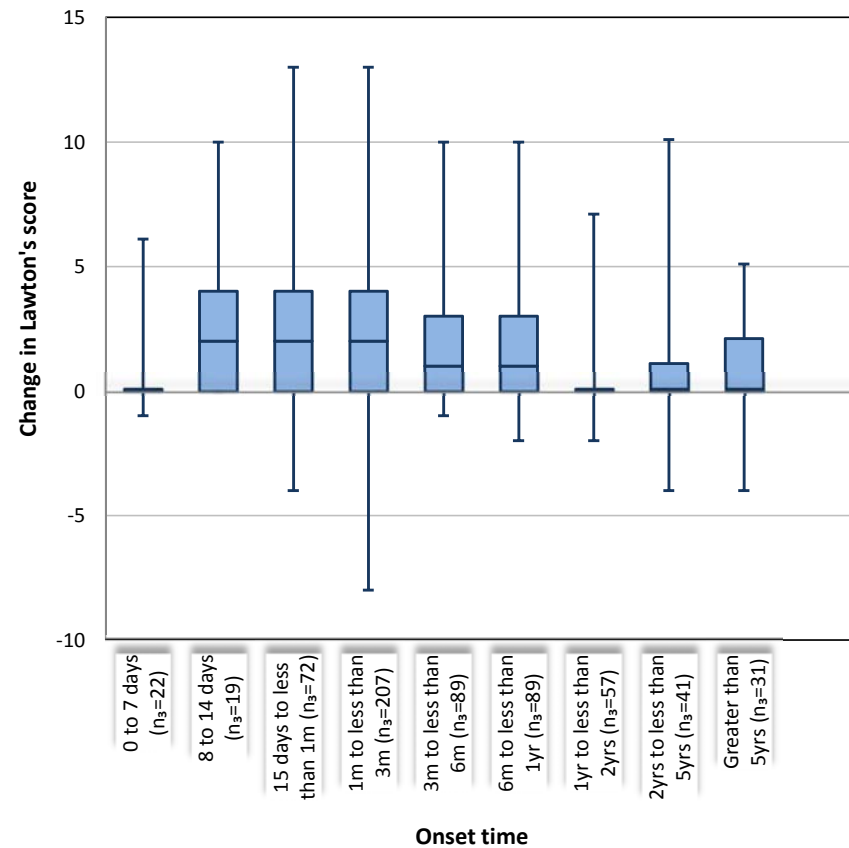


Lawton's score change by onset time - Reconditioning

Your Service 2015(n_1)



All Submitting Services 2015(n_3)

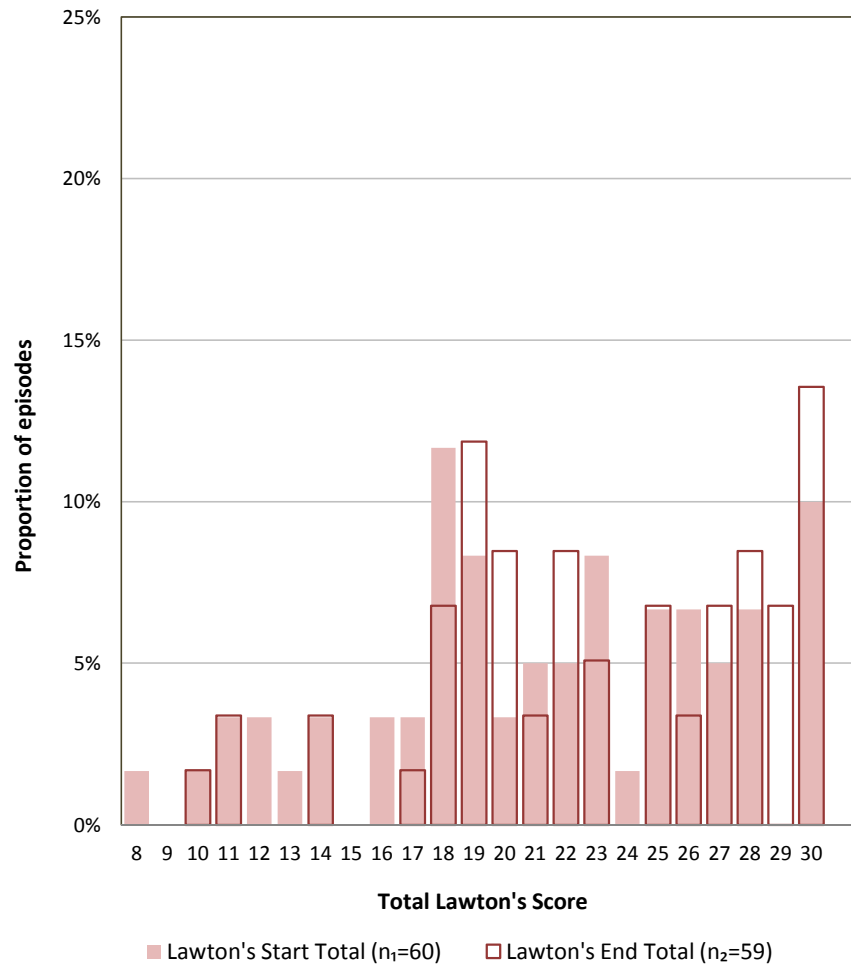




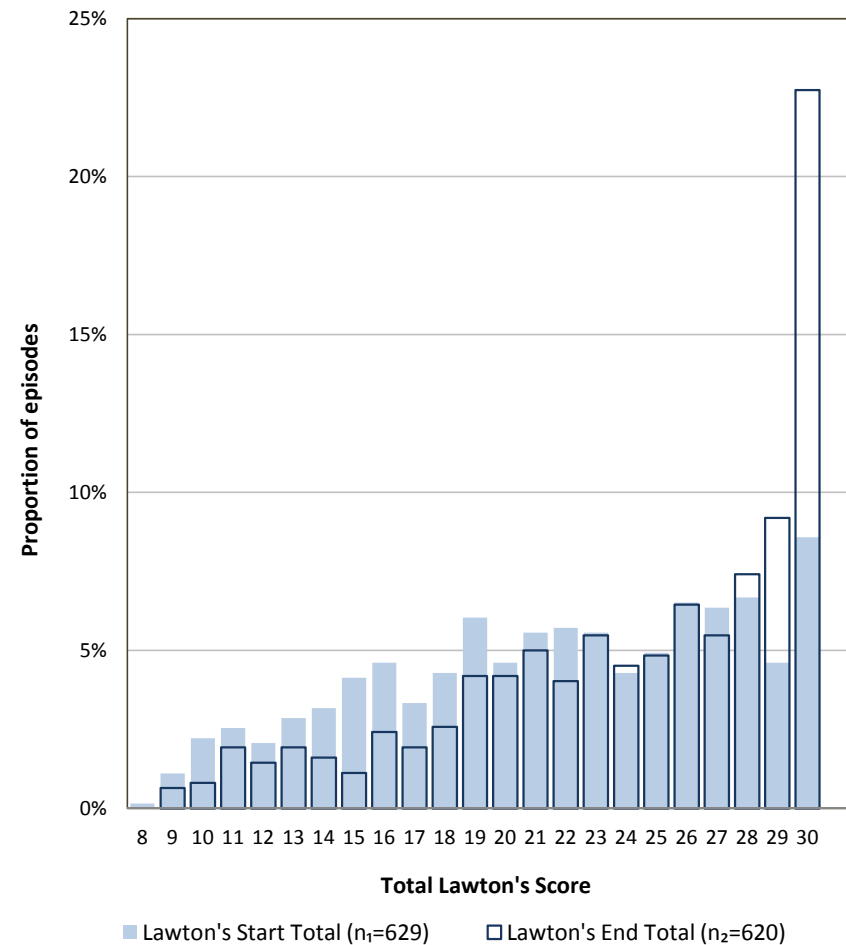
Lawton's score outcomes - Stroke

Lawton's start and end total - Stroke

Your Service 2015

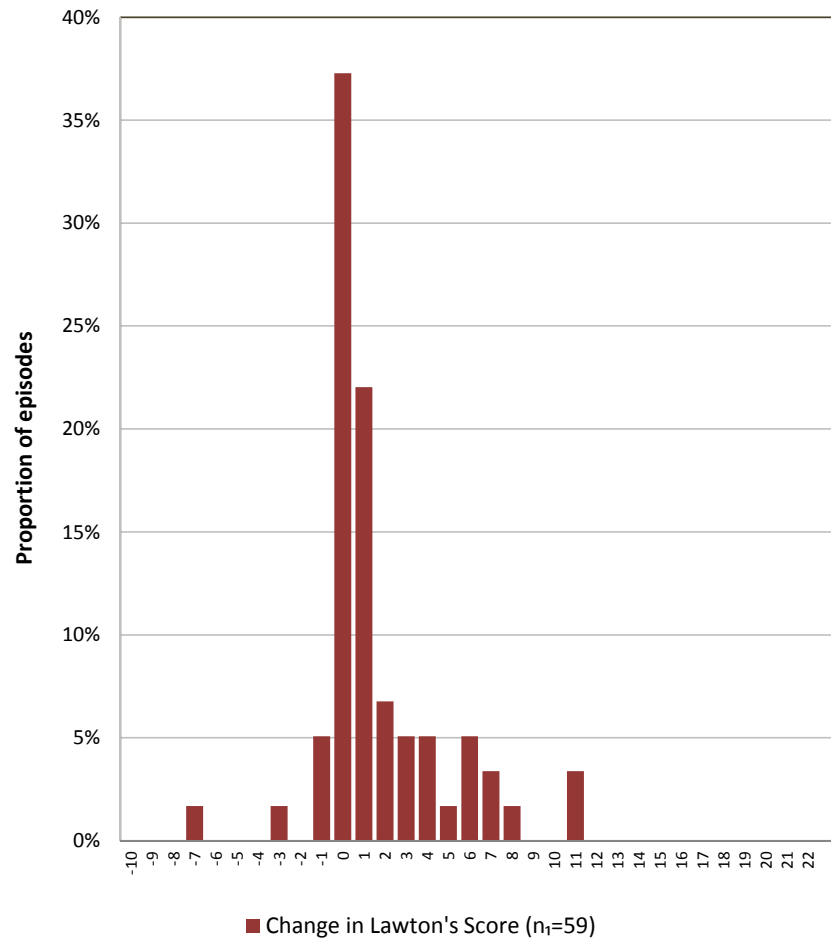


All Submitting Services 2015

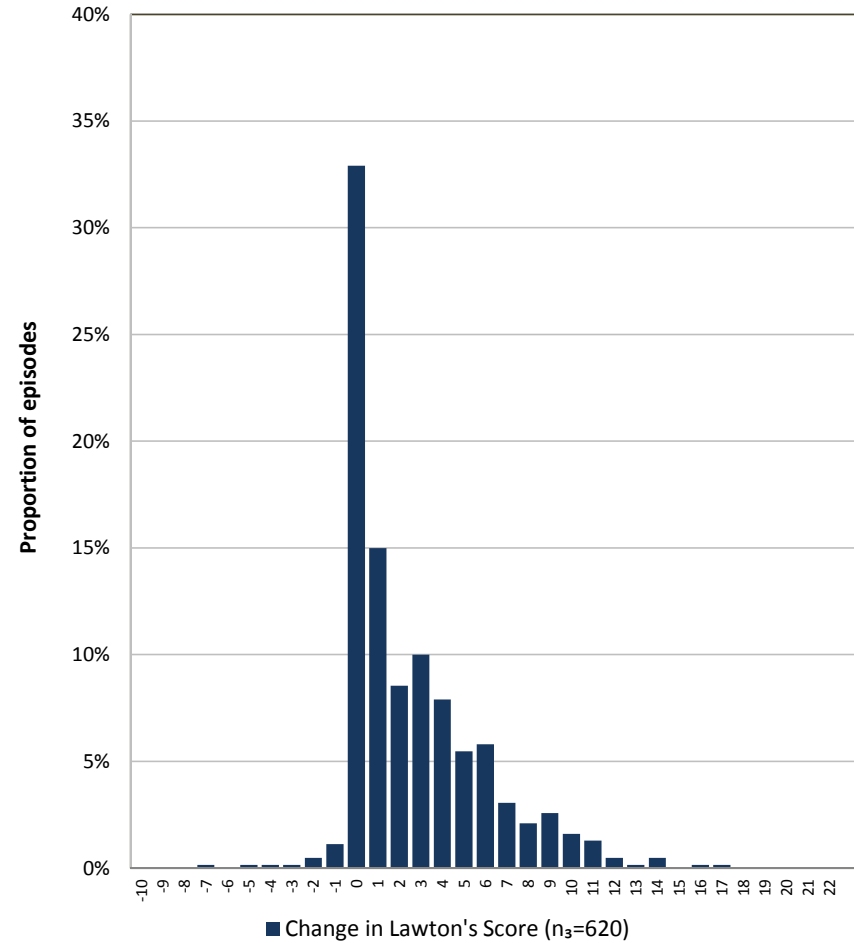


Change in Lawton's score - Stroke

Your Service 2015(n_1)

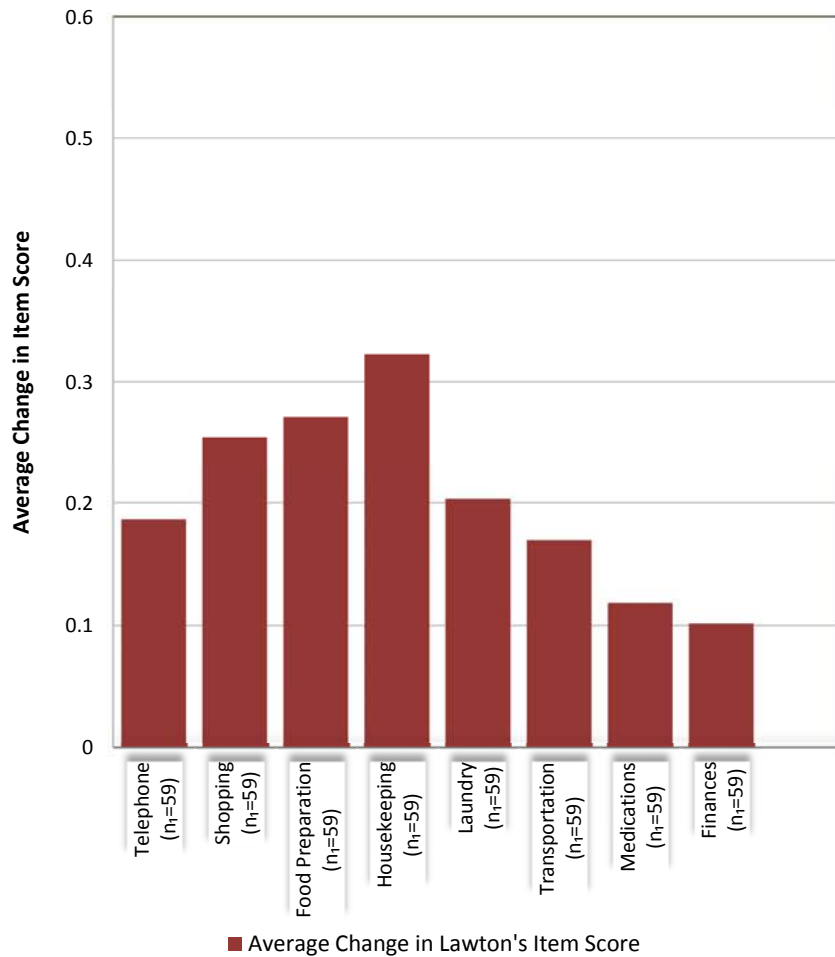


All Submitting Services 2015(n_3)

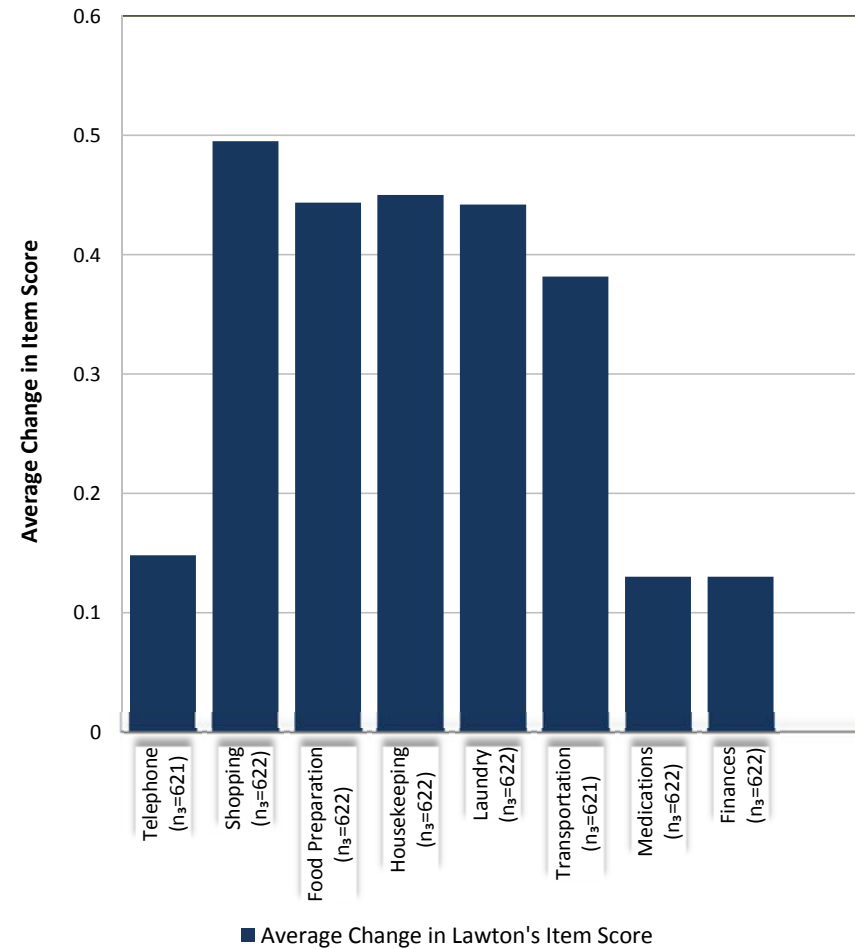


Change in Lawton's item scores - Stroke

Your Service 2015(n₁)

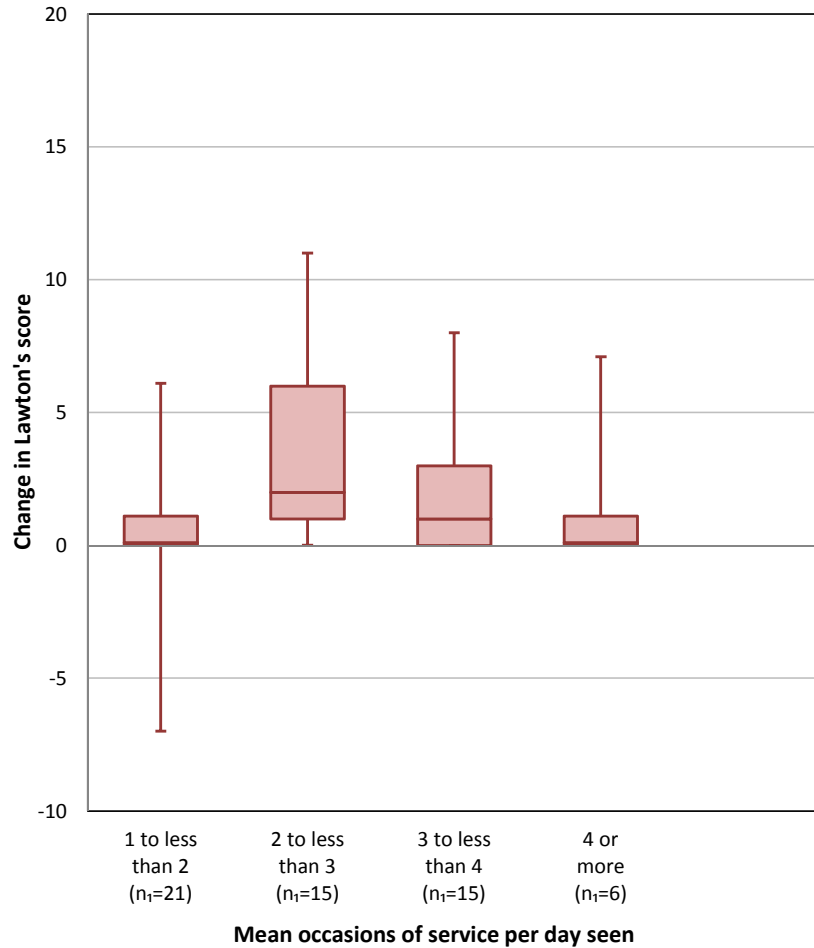


All Submitting Services 2015(n₃)

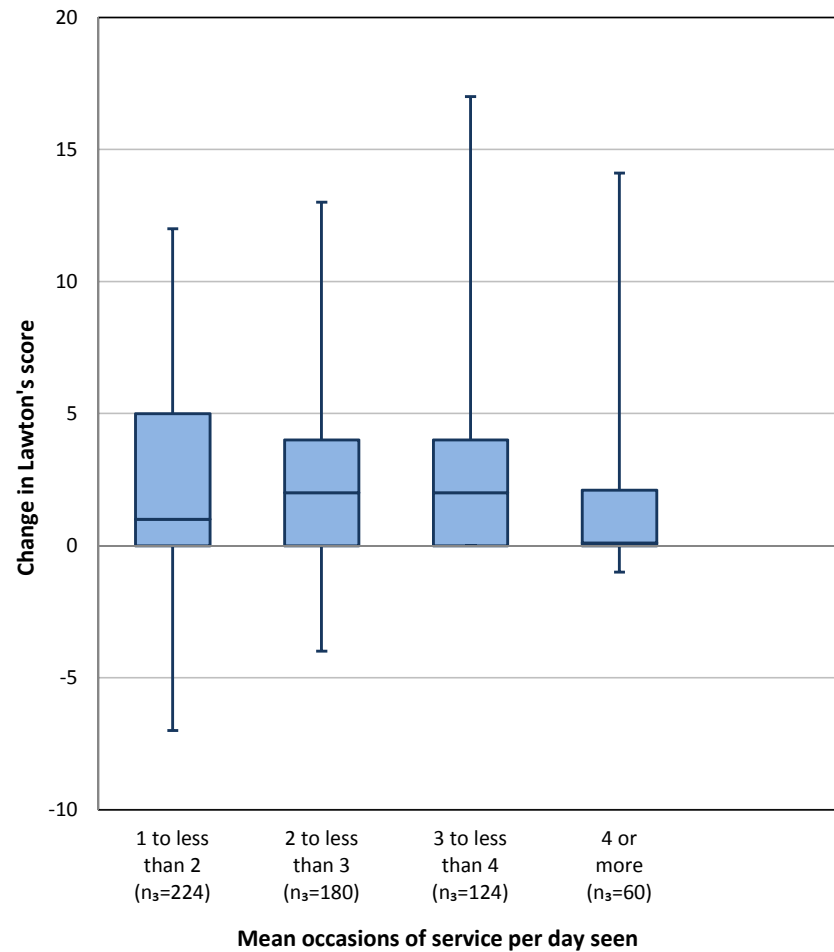


Lawton's score change by OOS/day seen - Stroke

Your Service 2015(n_1)

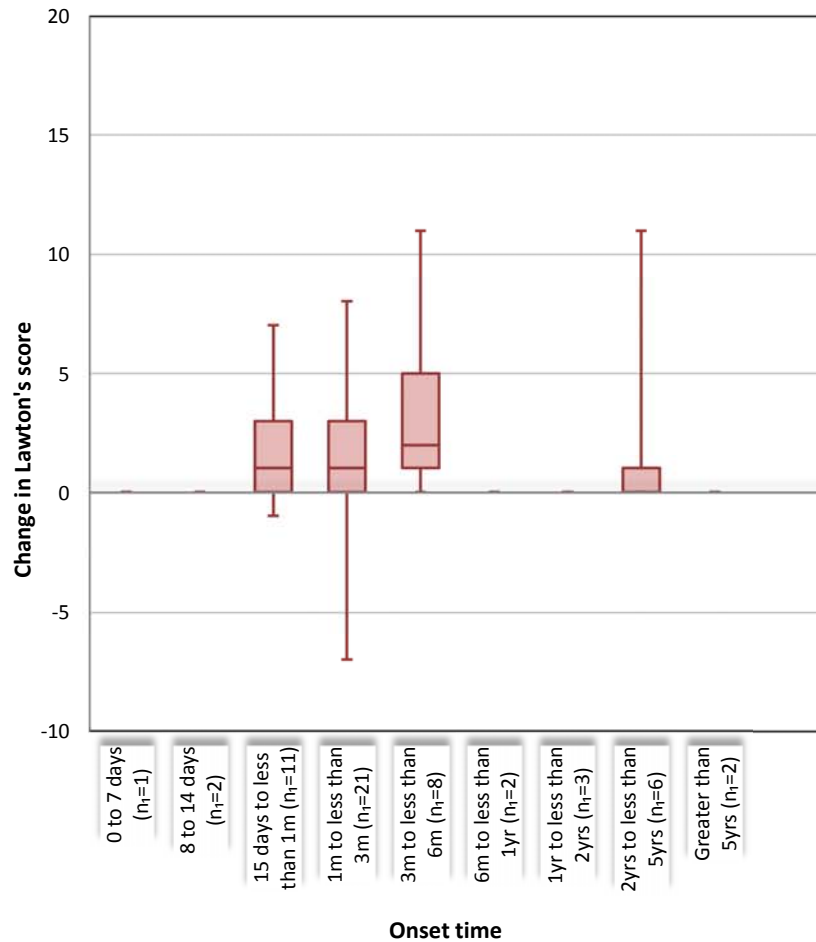


All Submitting Services 2015(n_3)

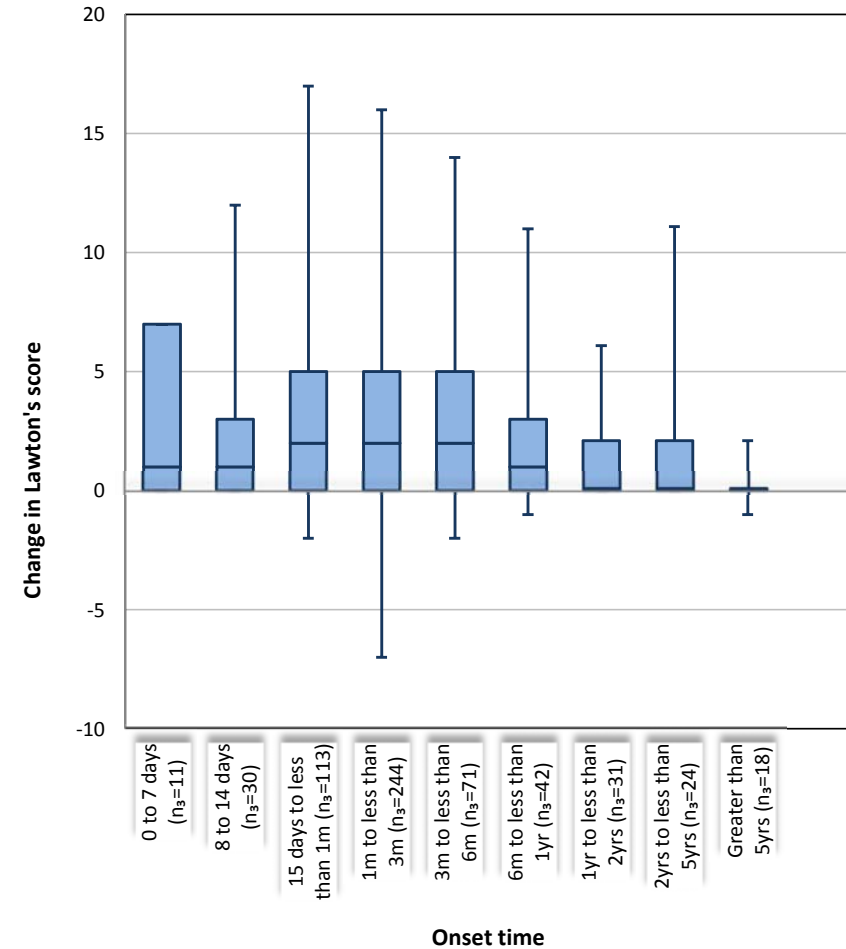


Lawton's score change by onset time - Stroke

Your Service 2015(n₁)



All Submitting Services 2015(n₃)



Appendices

- Appendix A: The Australian Modified Lawton's..... 88
- Appendix B: Definition of terms..... 89
- Appendix C: Interpreting box plots..... 91
- Appendix D: AROC impairment codes V2..... 92

Appendix A - The Australian Modified Lawton's

- The Australian Modified Lawton's represents a sensitive measure of the outcome of ambulatory rehabilitation as it relates to instrumental tasks, such as a patient's ability to do their own shopping, cleaning, cooking, manage their finances, skills that demonstrate their independence in the wider context
- In general most participants in ambulatory care have already demonstrated a degree of functional independence, thus a straight ADL tool (such as the FIM), is not an appropriate outcome measure in this setting
- The Lawton's tool is quick and easy to administer, requires minimal training, and is not discipline or impairment specific
- The Lawton's is endorsed by AFRM as the over-arching ambulatory benchmarking outcome tool of choice
- It has demonstrated validity and reliability in measurement of outcomes
Green J, Eagar K, Owen A, Gordon R and Quinsey K (2006). Towards a Measure of Function for Home and Community Care Services in Australia: Part II - Evaluation of the Screening Tool and Assessment Instruments. Australian Journal of Primary Health 12 (1), 82-90
- The Lawton's is not suggested to replace any service or impairment specific outcome measures that services may already collect or are considering collecting, but to provide a platform from which to launch a national benchmarking program with the expectation of further development over time

Appendix B - Definition of terms

Episode

The program of ambulatory rehabilitation. A completed episode is one with a mode of episode end of discharge/case closure.

Elapsed time

The elapsed time describes the number of days from commencement to end of an ambulatory rehabilitation program. It is calculated as the episode end date minus the start date

Days Seen

Days seen is the number of days within an episode of ambulatory rehabilitation on which an occasion of service has been provided

Occasions of Service (OOS)

An occasion of service is any therapy session and / or therapist contact within an episode. A patient may have several occasions of service on a 'day seen' and these may be delivered by the same or different staff type. Total occasions of service reflects the total number of therapy sessions provided to the patient during those visits. For example:

Mr Jones attends the program on Monday, Wednesday and Friday. On Monday he sees the physio and also attends hydrotherapy. On Wednesday he has a group exercise session, sees the OT and the speech pathologist. On Friday he sees the physio and attends hydrotherapy again. This program continues for 6 weeks. At week 7 his program is reviewed and he only needs to attend group exercise therapy and hydrotherapy twice a week until the program concludes at week 12.

The total number of days seen in this instance is $(3 \times 6) + (2 \times 6) = 30$

The total occasions of service in this instance is $(7 \times 6) + (4 \times 6) = 66$

Definition of terms (continued)

Therapy type

Reflects the type of therapy the patient is receiving and is collected by staff type. Where a single staff type provides more than one therapy, e.g. hydrotherapy provided/supervised by a physiotherapist, the staff type selected should reflect the type of therapy session the patient is receiving

ADL

Activities of daily living describe a person's level of functioning in basic physical activities such as bathing, dressing, transferring, toileting, continence, eating, and walking

IADL

Instrumental activities of daily living (also known as extended or domestic activities of daily living), describe tasks that enable a person to live independently in the community and include, but not are limited to, light housework, preparing meals, taking medications, shopping for groceries, using the telephone, and managing money.

Lawton's score

The score recorded using the Australian Modified Lawton's Instrumental Activities of Daily Living (IADL) Scale at both the beginning and end of an ambulatory rehabilitation program

Valid Lawton's score

A valid Lawton's score requires all items within the scale to have a value assigned and be completed for both the episode begin and episode end assessments

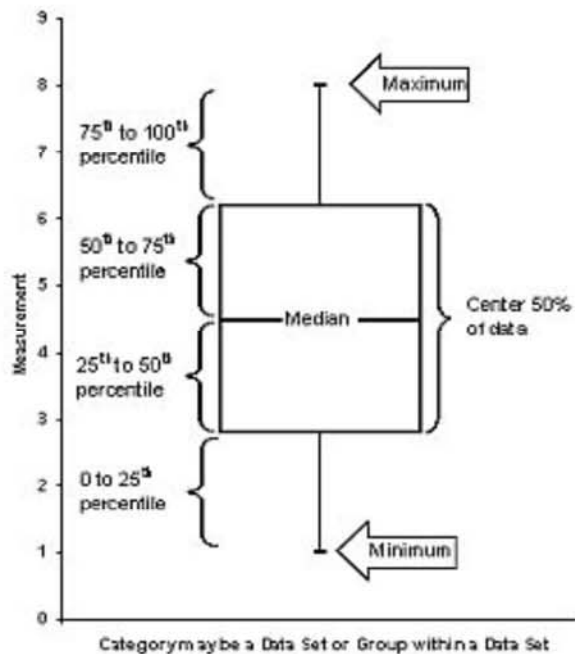
Lawton's change

The calculated difference between the valid Lawton's score at the begin and the end of the ambulatory rehabilitation episode

Appendix C - Interpreting box plots

Box Plots

Box plots, or box-and-whisker plots, provide insight into the distribution of observations within a data set by dividing it into four sections. The box indicates the spread of the central 50% of the data; the median is denoted by a horizontal line through the box. The portion of the box above the median line denotes the 50th - 75th percentile range. Likewise, the portion of the box below the median denotes the 25th-50th percentile range. The whiskers represent the full range of data, the whisker above the box extends to the maximum data value and the whisker below the box extends to the minimum data value.



Appendix D - AROC impairment codes V2

STROKE

Haemorrhagic:

- 1.11 Left body involvement
- 1.12 Right body involvement
- 1.13 Bilateral involvement
- 1.14 No paresis
- 1.19 Other stroke

Ischaemic:

- 1.21 Left body involvement (right brain)
- 1.22 Right body involvement (left brain)
- 1.23 Bilateral involvement
- 1.24 No paresis
- 1.29 Other stroke

BRAIN DYSFUNCTION

Non-Traumatic:

- 2.11 Sub-arachnoid haemorrhage
- 2.12 Anoxic brain damage
- 2.13 Other non-traumatic brain dysfunction

Traumatic:

- 2.21 Open injury
- 2.22 Closed injury

NEUROLOGICAL CONDITIONS

- 3.1 Multiple sclerosis
- 3.2 Parkinsonism
- 3.3 Polyneuropathy
- 3.4 Guillain-Barre
- 3.5 Cerebral palsy
- 3.8 Neuromuscular disorders
- 3.9 Other neurologic conditions

SPINAL CORD DYSFUNCTION

Non-Traumatic:

- 4.111 Paraplegia, incomplete
- 4.112 Paraplegia, complete
- 4.1211 Quadriplegia, incomplete C1-4
- 4.1212 Quadriplegia, incomplete C5-8
- 4.1221 Quadriplegia, complete C1-4
- 4.1222 Quadriplegia, complete C5-8
- 4.13 Other non-traumatic SCI

Traumatic:

- 4.211 Paraplegia, incomplete
- 4.212 Paraplegia, complete
- 4.2211 Quadriplegia, incomplete C1-4
- 4.2212 Quadriplegia, incomplete C5-8
- 4.2221 Quadriplegia, complete C1-4
- 4.2222 Quadriplegia, complete C5-8
- 4.23 Other traumatic SCI

AROC impairment codes V2 (continued)

AMPUTATION OF LIMB

Not resulting from trauma:

- 5.11 Single upper above elbow
- 5.12 Single upper below elbow
- 5.13 Single lower above knee
(includes through the knee)
- 5.14 Single lower below knee
- 5.15 Double lower above knee
(includes through the knee)
- 5.16 Double lower above/below knee
- 5.17 Double lower below knee
- 5.18 Partial foot (single or double)
- 5.19 Other amputation not from trauma

Resulting from trauma:

- 5.21 Single upper above elbow
- 5.22 Single upper below elbow
- 5.23 Single lower above knee
(includes through the knee)
- 5.24 Single lower below knee
- 5.25 Double lower above knee
(includes through the knee)
- 5.26 Double lower above/below knee
- 5.27 Double lower below knee
- 5.28 Partial foot (single or double)
- 5.29 Other amputation from trauma

ARTHRITIS

- 6.1 Rheumatoid arthritis
- 6.2 Osteoarthritis
- 6.9 Other arthritis

PAIN SYNDROMES

- 7.1 Neck pain
- 7.2 Back pain
- 7.3 Extremity pain
- 7.4 Headache (includes migraine)
- 7.5 Multi-site pain
- 7.9 Other pain
(includes abdominal/chest wall)

ORTHOPAEDIC CONDITIONS

Fracture: (includes dislocation)

- 8.111 Fracture of hip, unilateral (include #NOF)
- 8.112 Fracture of hip, bilateral (include #NOF)
- 8.12 Fracture of shaft of femur
- 8.13 Fracture of pelvis
- 8.141 Fracture of knee
- 8.142 Fracture of lower leg, ankle, foot
- 8.15 Fracture of upper limb
- 8.16 Fracture of spine
- 8.17 Fracture of multiple sites
- 8.19 Other orthopaedic fracture

Post orthopaedic surgery:

- 8.211 Unilateral hip replacement
- 8.212 Bilateral hip replacement
- 8.221 Unilateral knee replacement
- 8.222 Bilateral knee replacement
- 8.231 Knee and hip replacement, same side
- 8.232 Knee and hip replacement, different sides
- 8.24 Shoulder replacement
- 8.25 Post spinal surgery
- 8.26 Other orthopaedic surgery

Soft tissue injury:

- 8.3 Soft tissue injury

AROC impairment codes V2 (continued)

CARDIAC

- 9.1 Following recent onset of new cardiac impairment
- 9.2 Chronic cardiac insufficiency
- 9.3 Heart and heart/lung transplant

PULMONARY

- 10.1 Chronic obstructive pulmonary disease
- 10.2 Lung transplant
- 10.9 Other pulmonary

BURNS

- 11 Burns

CONGENITAL DEFORMITIES

- 12.1 Spina bifida
- 12.9 Other congenital deformity

OTHER DISABLING IMPAIRMENTS

- 13.1 Lymphoedema
- 13.3 Conversion disorder
- 13.9 Other disabling impairments that cannot be classified into a specific group

MAJOR MULTIPLE TRAUMA

- 14.1 Brain + spinal cord injury
- 14.2 Brain + multiple fracture/amputation
- 14.3 Spinal cord + multiple fracture/amputation
- 14.9 Other multiple trauma

DEVELOPMENTAL DISABILITIES

- 15.1 Developmental disabilities (excludes cerebral palsy)

RE-CONDITIONING / RESTORATIVE

- 16.1 Re-conditioning following surgery
- 16.2 Re-conditioning following medical illness
- 16.3 Cancer rehabilitation

Acknowledgements

- **AROC wish to acknowledge the valuable contributions made by:**
 - Members of the Management Advisory Group of the Australasian Rehabilitation Outcomes Centre.
 - Members of the Scientific and Clinical Advisory Committee of the Australasian Rehabilitation Outcomes Centre.
 - The many staff from the rehabilitation services who have spent a great deal of time and care to collect, collate and correct the data, without whose considerable effort these reports would not be possible.

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