



AROC Ambulatory Report

Anywhere Hospital

January 2016 - December 2016





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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- The item "Level of Support" (V1) has been replaced by two data items (V4) that unpack two concepts: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 2016	Your Service 2015	All Submitting Services 2016
	N	N	N
4 - Ambulatory Direct Care	954	915	9,610
5 - Ambulatory Shared Care	0	0	0
6 - Ambulatory Shared Care /One Off Assessment	3	14	24
All ambulatory pathways	957	929	9,634



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	36
February	55
March	84
April	89
May	87
June	85
July	87
August	87
September	77
October	84
November	98
December	88
Full year (2016)	957



Quality of data reported

Completeness of data items collected by Anywhere Hospital (2016)

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	957	100.0	First direct care episode	956	99.9	Final destination	927	96.9
Facility identifier	957	100.0	Team plan date	918	95.9	Employment post episode	190	19.9
Ward identifier ¹	777	81.2	Onset date or time since onset	947	99.0	Carer status post episode	918	95.9
Ward name ¹	782	81.7	Date of relevant acute episode ²	659	68.9	Services received post episode	919	96.0
Person identifier (MRN)	957	100.0	Mode of episode start	952	99.5	Services post episode specified	259	27.1
Letters of name	948	99.1	AROC impairment code	953	99.6	Spinal Cord Injury	9	
Date of birth	957	100.0	Accommodation during episode	952	99.5	Level of SCI - start	8	88.9
Date of birth flag	948	99.1	Carer status during episode ²	953	99.6	Level of SCI - end	8	88.9
Sex	957	100.0	Services received during episode ²	953	99.6	Ventilator dependent	9	100.0
Indigenous status	957	100.0	Services during episode specified	389	40.6	Amputation	7	
State	957	100.0	Lawton's assessment date - start	951	99.4	Frailty	6	85.7
Postcode	956	99.9	Lawton's scores - start	951	99.4	Date ready for casting ²	3	42.9
Funding	957	100.0	Lawton's assessment date - end	947	99.0	Phase of amputee care - start	6	85.7
Payer	738	100.0	Lawton's scores - end	947	99.0	Phase of amputee care - during ²	6	85.7
Interpreter	955	99.8	Existing comorbidities	953	99.6	Phase of amputee care - end	5	71.4
Referral date	956	99.9	Comorbidities specified	238	100.0	Prosthetic device fitted	6	85.7
Assessment date	955	99.8	Staff types	933	97.5	Date first prosthetic fitted ²	3	100.0
Clinically rehab ready date	956	99.9	Days seen	952	99.5	Prosthetic delay ²	0	0.0
Start delay	957	100.0	Occasions of service	953	99.6	Timed up and go test	4	57.1
Start delay reason(s)	161	100.0	Clinically discharge ready date	926	96.8	Six minute walk test ¹	3	42.9
Episode start date	957	100.0	End delay	951	99.4	Ten metre walk test ¹	4	57.1
Accommodation prior to episode	953	99.6	End delay reason(s)	25	100.0	Reconditioning	116	
Carer status prior to episode	944	100.0	Discharge plan	950	99.3	Frailty	97	83.6
Services received prior to episode	925	98.0	Episode end date	957	100.0	Fallen in last 12 months	100	86.2
Prior services specified	253	100.0	Mode of episode end	954	99.7	Weight loss > 10%	99	85.3
Employment prior to episode	952	99.5	Interim destination	11	157.1	Overall quality score	94.1	

(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

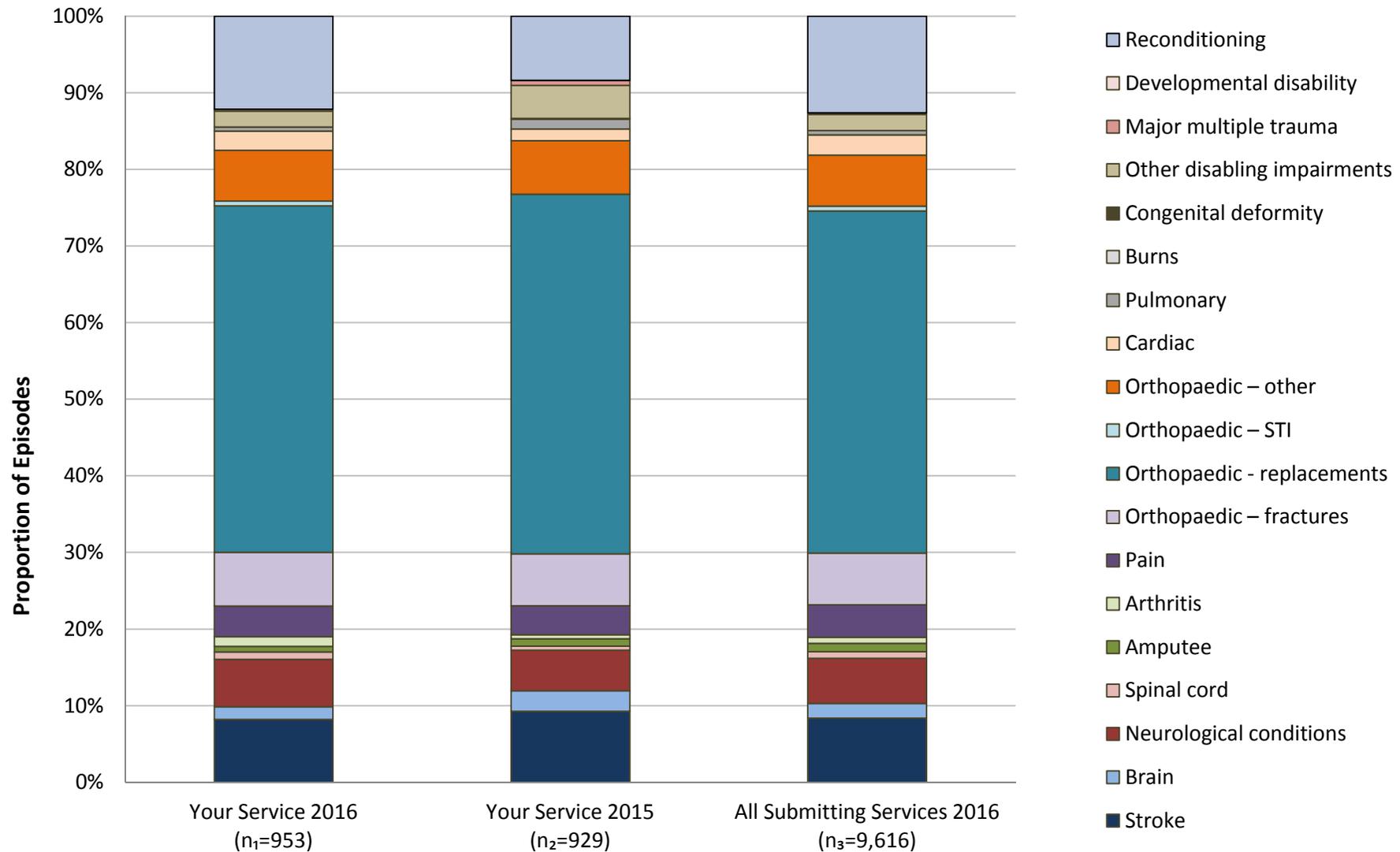
Ambulatory Submitting Services 2016	Public N	Private N	Total N
NSW	5	17	22
Vic	0	3	3
Qld	1	8	9
SA	6	1	7
Other	2	2	4
All Submitting Services	14	31	45

Ambulatory Number of Episodes 2016	Public N	Private N	Total N
NSW	444	4,520	4,964
Vic	0	1,513	1,513
Qld	440	701	1,141
SA	878	433	1,311
Other	11	669	680
All Episodes	1,773	7,836	9,609

Episodes by impairment group

Impairment group	Your Service 2016		Your Service 2015		All Submitting Services 2016	
	N	%	N	%	N	%
Stroke	78	8.2	86	9.3	805	8.4
Brain	16	1.7	25	2.7	182	1.9
Neurological conditions	59	6.2	49	5.3	569	5.9
Spinal cord	9	0.9	5	0.5	83	0.9
Amputee	7	0.7	9	1.0	102	1.1
Arthritis	12	1.3	5	0.5	79	0.8
Pain	38	4.0	35	3.8	406	4.2
Orthopaedic – fractures	67	7.0	63	6.8	649	6.8
Orthopaedic - replacements	431	45.2	436	46.9	4,293	44.7
Orthopaedic – STI	6	0.6	0	0.0	59	0.6
Orthopaedic – other	63	6.6	65	7.0	639	6.6
Cardiac	24	2.5	14	1.5	255	2.7
Pulmonary	5	0.5	12	1.3	53	0.6
Burns	0	0.0	0	0.0	<5	-
Congenital deformity	0	0.0	1	0.1	<5	-
Other disabling impairments	20	2.1	40	4.3	205	2.1
Major multiple trauma	2	0.2	6	0.6	20	0.2
Developmental disability	0	0.0	0	0.0	<5	-
Reconditioning	116	12.2	78	8.4	1,212	12.6
Missing	4		0		18	
All Impairments	957	100.0	929	100.0	9,634	100.0

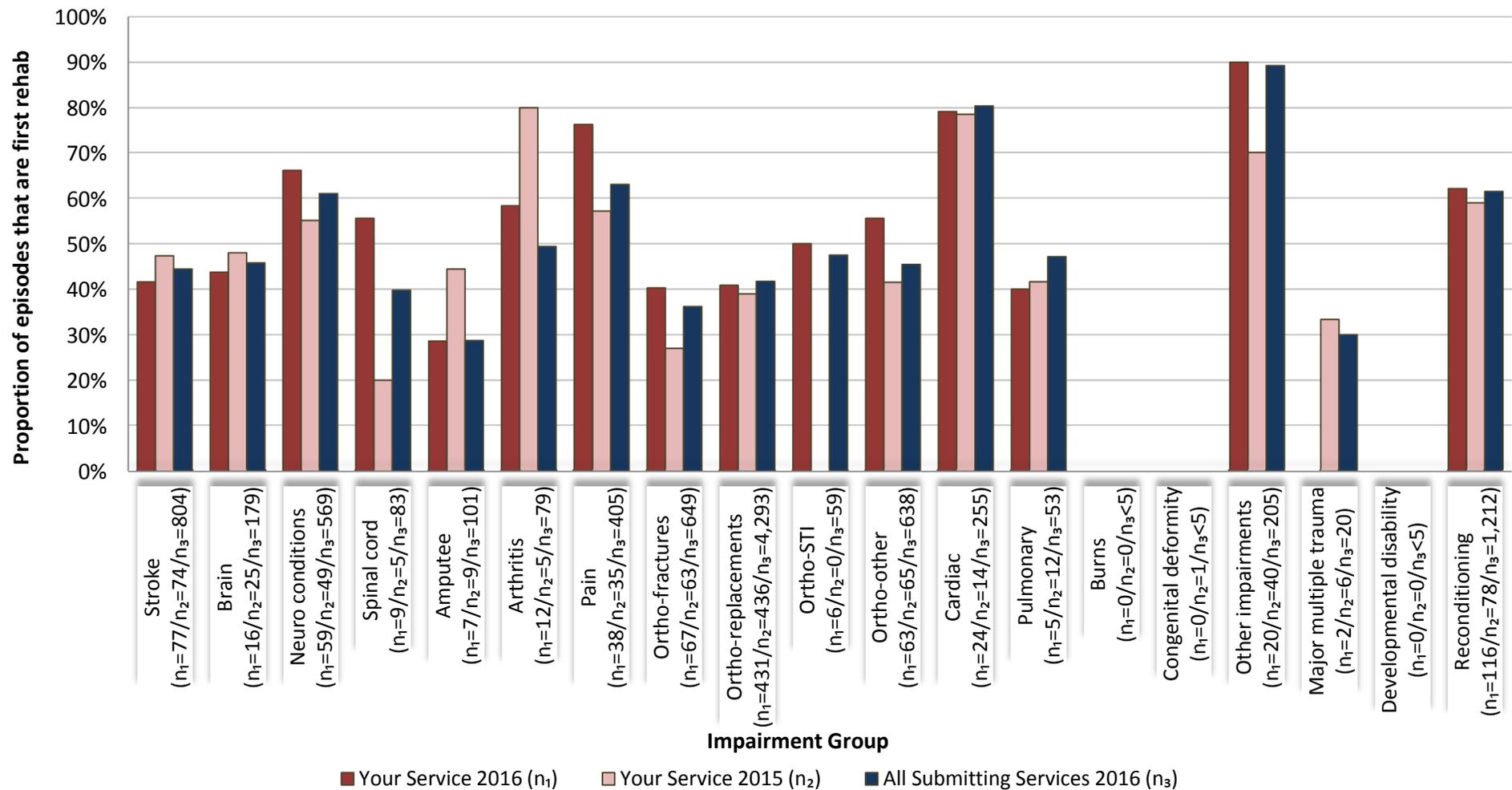
Distribution of episodes by impairment group



First direct care rehabilitation episode by impairment group

Impairment group	Your Service 2016			Your Service 2015			All Submitting Services 2016		
	First Rehab N	Total N	First Rehab %	First Rehab N	Total N	First Rehab %	First Rehab N	Total N	First Rehab %
Stroke	32	77	41.6	35	74	47.3	357	804	44.4
Brain	7	16	43.8	12	25	48.0	82	179	45.8
Neurological conditions	39	59	66.1	27	49	55.1	347	569	61.0
Spinal cord	5	9	55.6	1	5	20.0	33	83	39.8
Amputee	2	7	28.6	4	9	44.4	29	101	28.7
Arthritis	7	12	58.3	4	5	80.0	39	79	49.4
Pain	29	38	76.3	20	35	57.1	255	405	63.0
Orthopaedic – fractures	27	67	40.3	17	63	27.0	235	649	36.2
Orthopaedic - replacements	176	431	40.8	170	436	39.0	1,791	4,293	41.7
Orthopaedic – STI	3	6	50.0	0	0	-	28	59	47.5
Orthopaedic – other	35	63	55.6	27	65	41.5	290	638	45.5
Cardiac	19	24	79.2	11	14	78.6	205	255	80.4
Pulmonary	2	5	40.0	5	12	41.7	25	53	47.2
Burns	0	0	-	0	0	-	<5	<5	-
Congenital deformity	0	0	-	0	1	0.0	<5	<5	-
Other disabling impairments	18	20	90.0	28	40	70.0	183	205	89.3
Major multiple trauma	0	2	0.0	2	6	33.3	6	20	30.0
Developmental disability	0	0	-	0	0	-	<5	<5	-
Reconditioning	72	116	62.1	46	78	59.0	745	1,212	61.5
Missing	0	1		0	12		2	25	
All Impairments	473	953	49.7	409	929	44.6	4,655	9,634	48.4

First direct care rehabilitation episode by impairment group

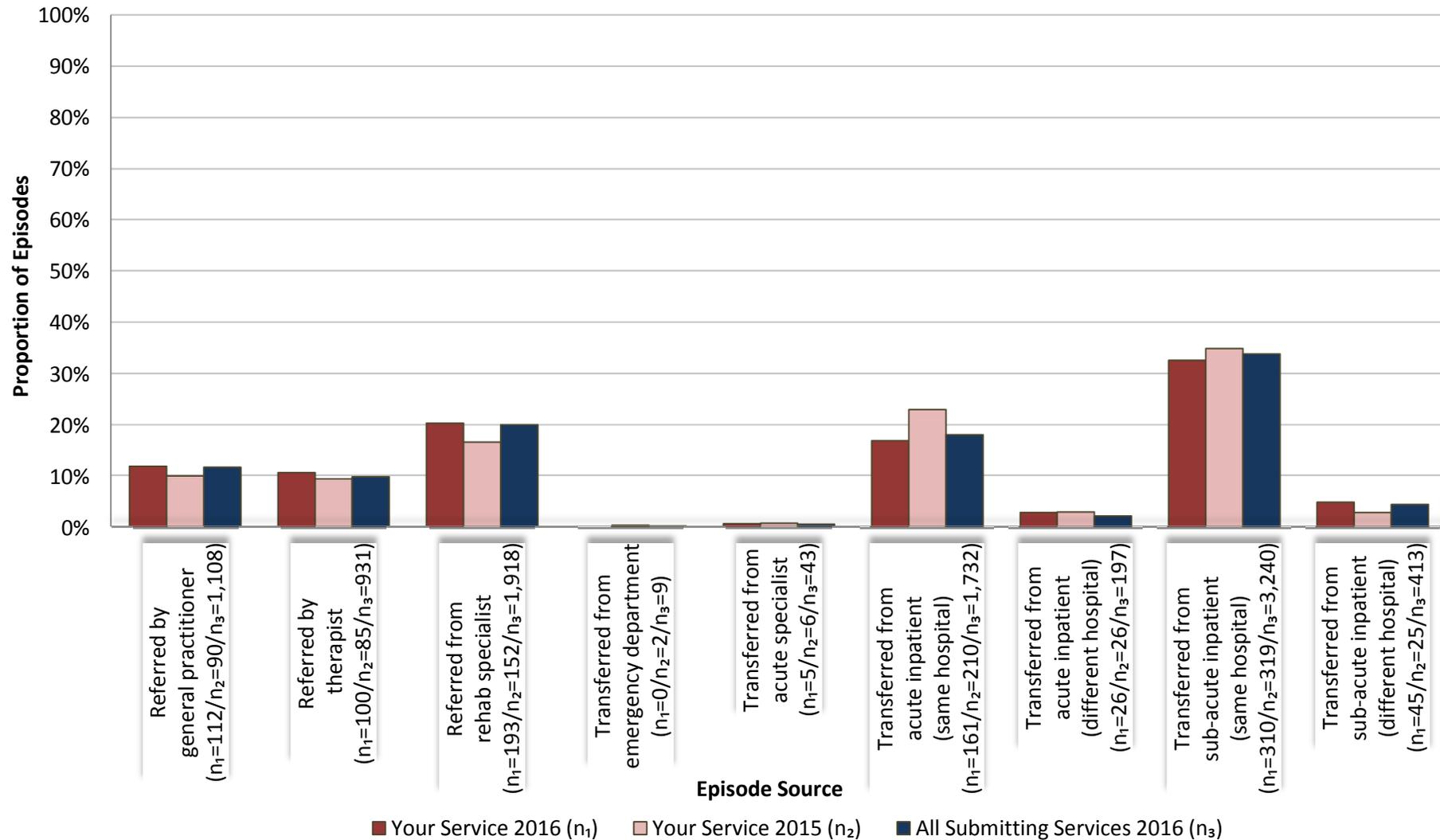




Episode source

Episode Source	Your Service 2016		Your Service 2015		All Submitting Services 2016	
	N	%	N	%	N	%
Referred by general practitioner	112	11.8	90	9.8	1,108	11.6
Referred by therapist	100	10.5	85	9.3	931	9.7
Referred from rehab specialist	193	20.3	152	16.6	1,918	20.0
Transferred from ED	0	0.0	2	0.2	9	0.1
Transferred from acute specialist	5	0.5	6	0.7	43	0.4
Transferred from acute inpatient (same hospital)	161	16.9	210	23.0	1,732	18.1
Transferred from acute inpatient (different hospital)	26	2.7	26	2.8	197	2.1
Transferred from sub-acute inpatient (same hospital)	310	32.6	319	34.9	3,240	33.8
Transferred from sub-acute inpatient (different hospital)	45	4.7	25	2.7	413	4.3
Missing	2		0		19	
All Episodes	954	100.0	915	100.0	9,610	100.0

Distribution of episode source

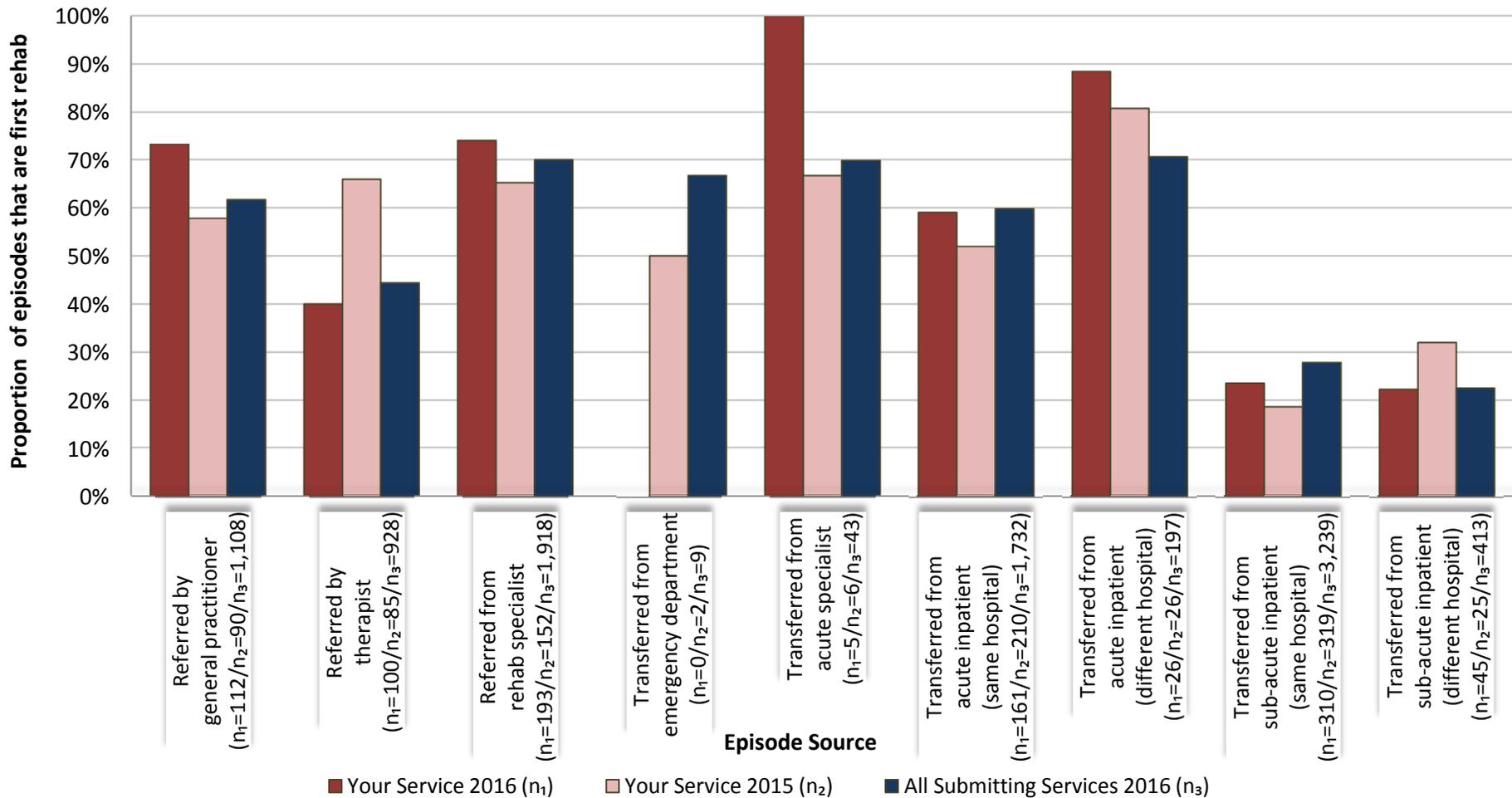




First direct care rehabilitation episode by episode source

Episode source	Your Service 2016			Your Service 2015			All Submitting Services 2016		
	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	82	112	73.2	52	90	57.8	683	1,108	61.6
Referred by therapist	40	100	40.0	56	85	65.9	412	928	44.4
Referred from rehab specialist	143	193	74.1	99	152	65.1	1,341	1,918	69.9
Transferred from emergency department	0	0	-	1	2	50.0	6	9	66.7
Transferred from acute specialist	5	5	100.0	4	6	66.7	30	43	69.8
Transferred from acute inpatient (same hospital)	95	161	59.0	109	210	51.9	1,035	1,732	59.8
Transferred from acute inpatient (different hospital)	23	26	88.5	21	26	80.8	139	197	70.6
Transferred from sub-acute inpatient (same hospital)	73	310	23.5	59	319	18.5	900	3,239	27.8
Transferred from sub-acute inpatient (different hospital)	10	45	22.2	8	25	32.0	93	413	22.5
Missing	2	5		0	0		16	47	
Total	473	957	49.5	409	915	44.7	4,655	9,634	48.3

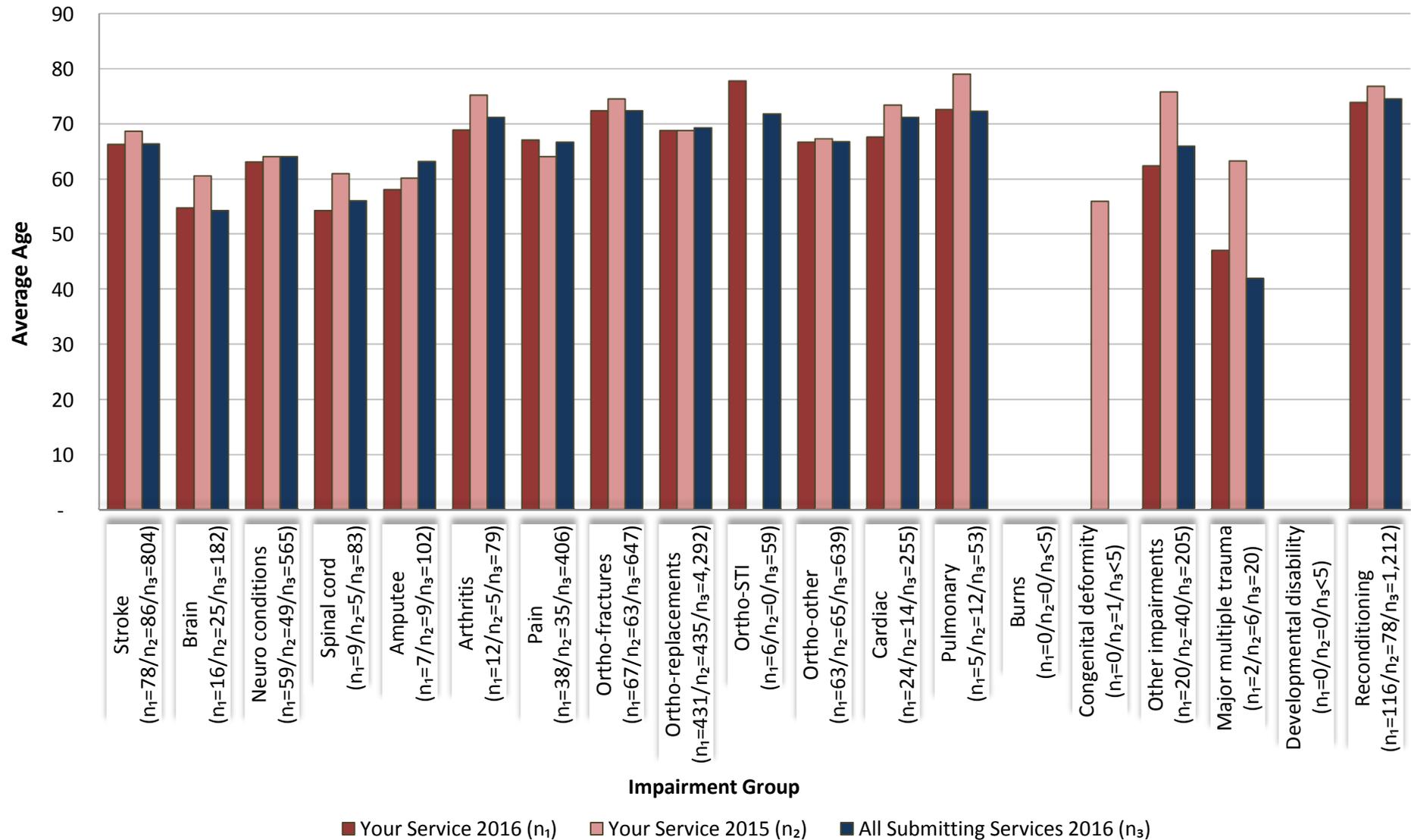
First direct care rehabilitation episode by episode source



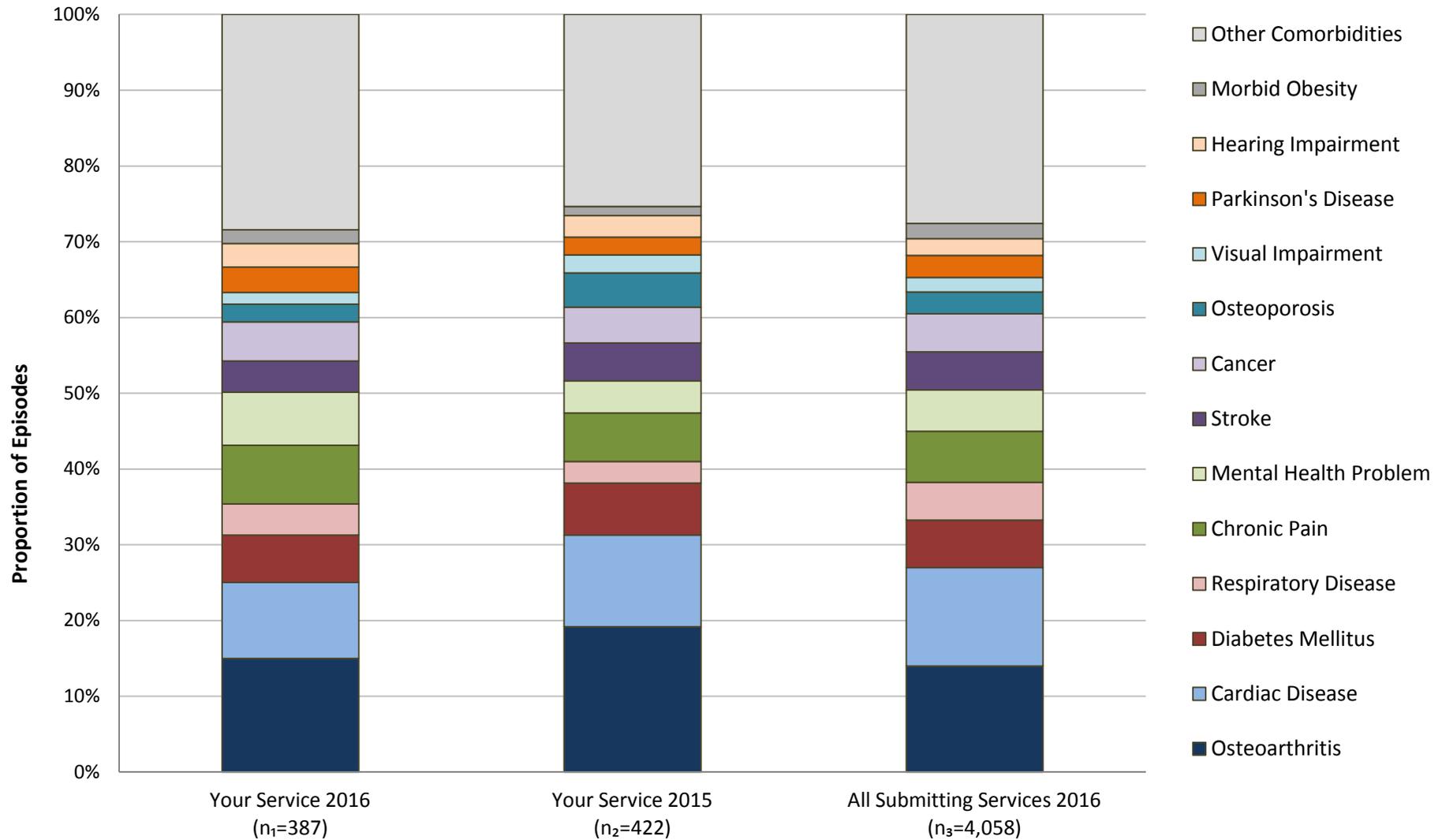
Age by impairment group

Impairment group	Your Service 2016			Your Service 2015			All Submitting Services 2016		
	N	Mean	95% CI	N	Mean	95% CI	N	Mean	95% CI
Stroke	78	66.3	(62.7 - 69.3)	86	68.7	(65.0 - 71.0)	804	66.4	(65.0 - 67.0)
Brain	16	54.8	(46.0 - 62.0)	25	60.6	(52.4 - 67.6)	182	54.3	(51.4 - 56.6)
Neurological conditions	59	63.1	(59.0 - 67.0)	49	64.1	(59.7 - 68.3)	565	64.1	(62.7 - 65.3)
Spinal cord	9	54.3	(39.3 - 68.7)	5	61.0	(46.0 - 76.0)	83	56.1	(52.3 - 59.7)
Amputee	7	58.1	(47.7 - 68.3)	9	60.2	(49.2 - 70.8)	102	63.2	(60.5 - 65.5)
Arthritis	12	68.9	(60.8 - 75.2)	5	75.2	(71.1 - 78.9)	79	71.2	(68.4 - 73.6)
Pain	38	67.1	(61.6 - 72.4)	35	64.1	(59.1 - 68.9)	406	66.7	(64.4 - 67.6)
Orthopaedic – fractures	67	72.4	(68.9 - 75.1)	63	74.5	(70.9 - 77.1)	647	72.4	(70.9 - 73.1)
Orthopaedic - replacements	431	68.8	(67.1 - 68.9)	435	68.8	(67.1 - 68.9)	4,292	69.3	(68.7 - 69.3)
Orthopaedic – STI	6	77.8	(70.3 - 83.7)	0	-	-	59	71.8	(66.9 - 75.1)
Orthopaedic – other	63	66.7	(62.2 - 69.8)	65	67.3	(63.8 - 70.2)	639	66.8	(64.9 - 67.1)
Cardiac	24	67.6	(62.0 - 72.0)	14	73.4	(67.3 - 78.7)	255	71.2	(69.6 - 72.4)
Pulmonary	5	72.6	(58.3 - 85.7)	12	79.0	(75.4 - 82.6)	53	72.3	(69.5 - 74.5)
Burns	0	-	-	0	-	-	<5	-	-
Congenital deformity	0	-	-	1	56.0	-	<5	-	-
Other disabling impairments	20	62.4	(56.1 - 67.9)	40	75.8	(70.9 - 79.1)	205	66.0	(63.9 - 68.1)
Major multiple trauma	2	47.0	-	6	63.3	(49.1 - 76.9)	20	41.9	(34.0 - 48.0)
Developmental disability	0	-	-	0	-	-	<5	-	-
Reconditioning	116	73.9	(70.7 - 75.3)	78	76.8	(73.6 - 78.4)	1,212	74.5	(73.2 - 74.8)
Missing	4			1			26		
All Impairments	957	68.3	(67.2 - 68.8)	929	69.5	(68.2 - 69.8)	9,634	68.9	(67.7 - 68.3)

Age by impairment group



Comorbidities





Process indicators

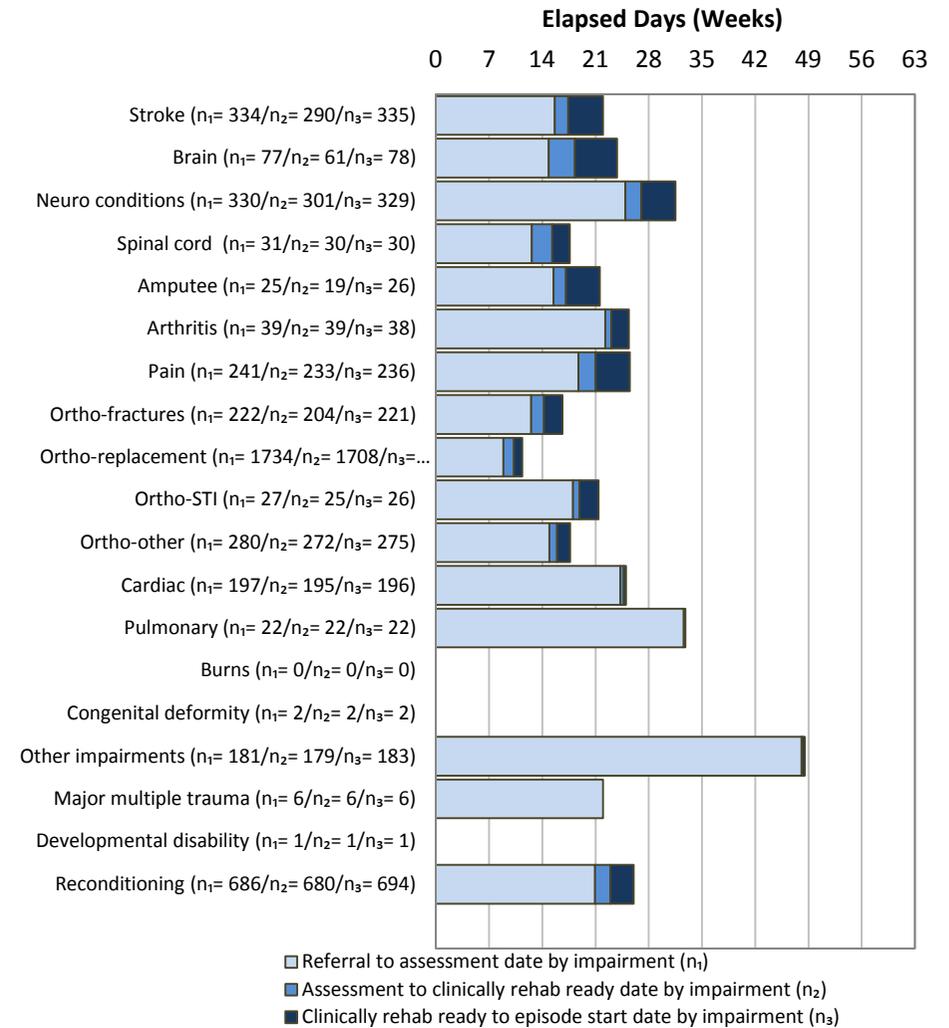
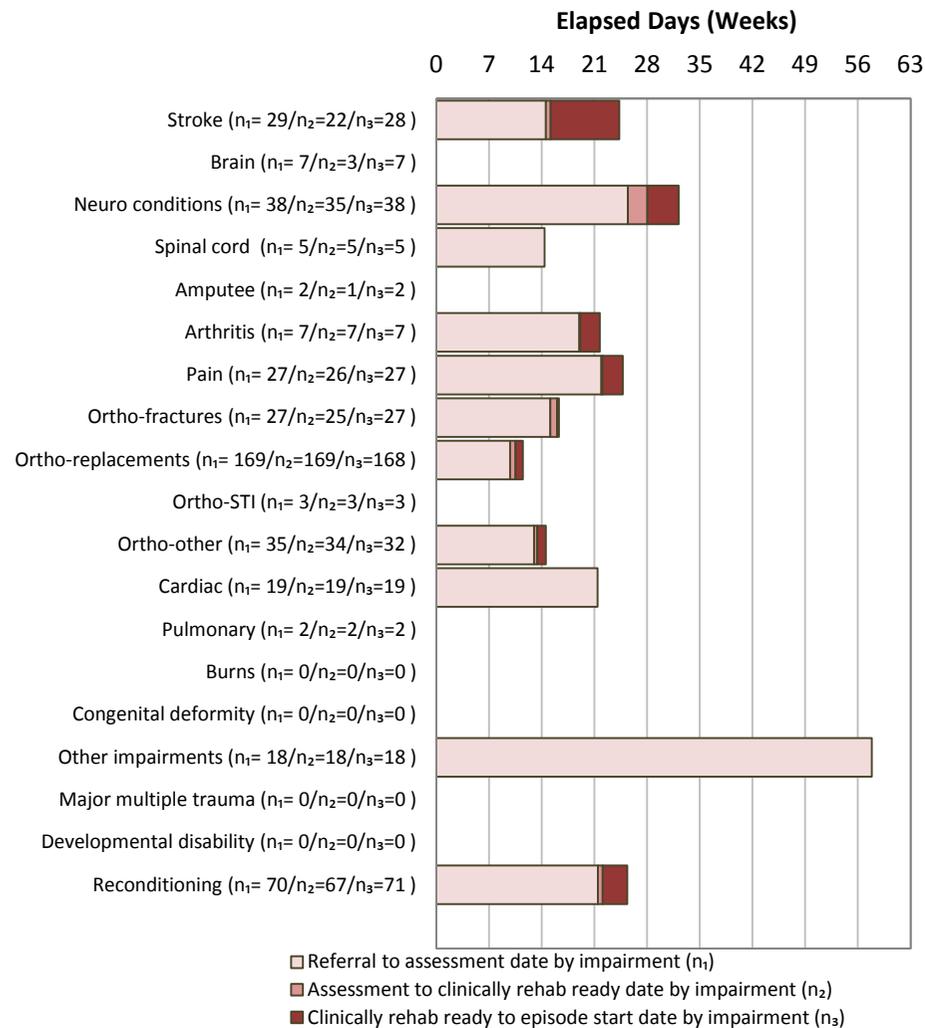
The following sections present analysis of each of the following elements:

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

Days between key dates by impairment group*

Your Service 2016

All Submitting Services 2016



* Includes first direct care rehabilitation episodes only

Staff type by impairment group

Your Service 2016

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 =76)	91%	5%	88%	41%	42%	39%	9%	5%	45%	49%	4%	46%	22%
Brain (n ₁ =16)	69%	0%	81%	19%	31%	50%	6%	0%	50%	31%	0%	13%	38%
Neurological conditions (n ₁ =59)	95%	8%	83%	49%	37%	37%	14%	17%	41%	22%	8%	8%	15%
Spinal cord (n ₁ =7)	86%	0%	43%	43%	29%	29%	0%	0%	0%	71%	0%	14%	14%
Amputee (n ₁ =7)	100%	0%	71%	43%	29%	0%	0%	14%	14%	43%	0%	0%	43%
Arthritis (n ₁ =12)	92%	58%	67%	33%	8%	42%	33%	8%	0%	8%	25%	8%	0%
Pain (n ₁ =38)	100%	74%	50%	55%	29%	29%	29%	5%	0%	3%	8%	21%	24%
Orthopaedic – fractures (n ₁ =67)	100%	52%	40%	33%	27%	13%	12%	3%	6%	9%	3%	1%	16%
Orthopaedic - replacements (n ₁ =430)	98%	73%	42%	32%	26%	23%	22%	3%	0%	1%	2%	1%	2%
Orthopaedic – STI (n ₁ =6)	100%	17%	17%	83%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Orthopaedic – other (n ₁ =63)	98%	65%	48%	56%	21%	24%	16%	5%	2%	6%	110%	3%	48%
Cardiac (n ₁ =24)	83%	0%	38%	42%	0%	33%	0%	0%	4%	4%	25%	13%	154%
Pulmonary (n ₁ =5)	80%	0%	20%	60%	0%	40%	0%	0%	0%	20%	20%	20%	0%
Burns (n ₁ =0)													
Congenital deformity (n ₁ =0)													
Other disabling impairments (n ₁ =20)	90%	0%	40%	75%	10%	10%	15%	5%	0%	15%	15%	5%	0%
Major multiple trauma (n ₁ =2)	100%	0%	100%	50%	100%	50%	0%	0%	50%	50%	0%	0%	0%
Developmental disability (n ₁ =0)													
Reconditioning (n ₁ =116)	90%	22%	58%	47%	27%	29%	19%	11%	12%	13%	13%	11%	7%

Services received by impairment group

Your Service 2016

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 =70/n ₂ =77/n ₃ =75)	21%	34%	29%	1%	6%	8%	4%	8%	3%
Brain (n ₁ =14/n ₂ =16/n ₃ =16)	21%	31%	25%	7%	6%	13%	0%	0%	6%
Neuro conditions (n ₁ =53/n ₂ =59/n ₃ =58)	21%	37%	33%	6%	7%	2%	0%	7%	0%
Spinal cord (n ₁ =7/n ₂ =7/n ₃ =7)	29%	29%	43%	14%	14%	14%	0%	0%	0%
Amputee (n ₁ =7/n ₂ =7/n ₃ =7)	14%	29%	29%	0%	0%	0%	14%	14%	0%
Arthritis (n ₁ =12/n ₂ =12/n ₃ =12)	8%	8%	8%	0%	0%	8%	0%	0%	0%
Pain (n ₁ =38/n ₂ =38/n ₃ =38)	13%	18%	13%	0%	0%	0%	0%	13%	3%
Orthopaedic – fractures (n ₁ =66/n ₂ =67/n ₃ =66)	26%	34%	26%	5%	4%	3%	0%	4%	0%
Orthopaedic - replacements (n ₁ =430/n ₂ =430/n ₃ =425)	17%	27%	15%	0%	1%	1%	0%	3%	0%
Orthopaedic – STI (n ₁ =6/n ₂ =6/n ₃ =6)	67%	67%	83%	17%	33%	17%	0%	0%	0%
Orthopaedic – other (n ₁ =63/n ₂ =63/n ₃ =63)	24%	35%	19%	0%	0%	0%	0%	3%	0%
Cardiac (n ₁ =24/n ₂ =24/n ₃ =24)	38%	38%	29%	4%	4%	4%	0%	0%	0%
Pulmonary (n ₁ =5/n ₂ =5/n ₃ =5)	60%	60%	20%	20%	0%	20%	0%	0%	0%
Burns (n ₁ =0/n ₂ =0/n ₃ =0)									
Congenital deformity (n ₁ =0/n ₂ =0/n ₃ =0)									
Other impairments (n ₁ =20/n ₂ =20/n ₃ =20)	10%	10%	10%	10%	5%	10%	5%	5%	0%
Major multiple trauma (n ₁ =2/n ₂ =2/n ₃ =2)	0%	50%	0%	0%	0%	0%	0%	0%	0%
Developmental disability (n ₁ =0/n ₂ =0/n ₃ =0)									
Reconditioning (n ₁ =108/n ₂ =116/n ₃ =111)	39%	41%	39%	4%	4%	5%	3%	5%	3%

Services received by impairment group

Your Service 2016

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 =70/n ₂ =77/n ₃ =75)	6%	21%	19%	9%	19%	15%	7%	22%	17%
Brain (n ₁ =14/n ₂ =16/n ₃ =16)	0%	0%	19%	0%	0%	0%	7%	13%	6%
Neuro conditions (n ₁ =53/n ₂ =59/n ₃ =58)	4%	17%	12%	4%	7%	5%	6%	29%	17%
Spinal cord (n ₁ =7/n ₂ =7/n ₃ =7)	0%	0%	0%	14%	14%	14%	14%	29%	29%
Amputee (n ₁ =7/n ₂ =7/n ₃ =7)	14%	14%	14%	14%	14%	0%	0%	0%	0%
Arthritis (n ₁ =12/n ₂ =12/n ₃ =12)	8%	8%	0%	0%	8%	8%	0%	0%	0%
Pain (n ₁ =38/n ₂ =38/n ₃ =38)	3%	24%	5%	0%	0%	0%	3%	24%	8%
Orthopaedic – fractures (n ₁ =66/n ₂ =67/n ₃ =66)	3%	3%	11%	3%	7%	5%	9%	13%	6%
Orthopaedic - replacements (n ₁ =430/n ₂ =430/n ₃ =425)	1%	4%	1%	0%	3%	0%	3%	13%	2%
Orthopaedic – STI (n ₁ =6/n ₂ =6/n ₃ =6)	0%	0%	0%	17%	17%	17%	50%	50%	33%
Orthopaedic – other (n ₁ =63/n ₂ =63/n ₃ =63)	3%	6%	2%	0%	2%	0%	3%	13%	5%
Cardiac (n ₁ =24/n ₂ =24/n ₃ =24)	0%	0%	0%	0%	4%	0%	13%	13%	4%
Pulmonary (n ₁ =5/n ₂ =5/n ₃ =5)	0%	20%	0%	0%	0%	0%	20%	40%	0%
Burns (n ₁ =0/n ₂ =0/n ₃ =0)									
Congenital deformity (n ₁ =0/n ₂ =0/n ₃ =0)									
Other impairments (n ₁ =20/n ₂ =20/n ₃ =20)	0%	0%	0%	0%	0%	0%	0%	0%	0%
Major multiple trauma (n ₁ =2/n ₂ =2/n ₃ =2)	0%	0%	0%	0%	0%	0%	0%	50%	0%
Developmental disability (n ₁ =0/n ₂ =0/n ₃ =0)									
Reconditioning (n ₁ =108/n ₂ =116/n ₃ =111)	3%	8%	6%	6%	9%	8%	8%	16%	9%

Services received by impairment group

Your Service 2016

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 =70/n ₂ =77/n ₃ =75)	10%	5%	13%	14%	29%	25%	0%	10%	7%
Brain (n ₁ =14/n ₂ =16/n ₃ =16)	7%	6%	0%	21%	25%	6%	0%	0%	0%
Neuro conditions (n ₁ =53/n ₂ =59/n ₃ =58)	9%	3%	12%	4%	14%	10%	2%	8%	3%
Spinal cord (n ₁ =7/n ₂ =7/n ₃ =7)	0%	14%	14%	14%	29%	29%	0%	0%	0%
Amputee (n ₁ =7/n ₂ =7/n ₃ =7)	14%	0%	0%	0%	0%	0%	0%	14%	14%
Arthritis (n ₁ =12/n ₂ =12/n ₃ =12)	0%	0%	0%	8%	8%	8%	0%	0%	0%
Pain (n ₁ =38/n ₂ =38/n ₃ =38)	0%	5%	0%	3%	8%	3%	0%	18%	3%
Orthopaedic – fractures (n ₁ =66/n ₂ =67/n ₃ =66)	6%	6%	6%	12%	22%	12%	2%	0%	2%
Orthopaedic - replacements (n ₁ =430/n ₂ =430/n ₃ =425)	6%	9%	3%	2%	16%	2%	0%	1%	0%
Orthopaedic – STI (n ₁ =6/n ₂ =6/n ₃ =6)	0%	0%	0%	33%	50%	33%	0%	0%	0%
Orthopaedic – other (n ₁ =63/n ₂ =63/n ₃ =63)	6%	10%	5%	3%	19%	5%	0%	2%	2%
Cardiac (n ₁ =24/n ₂ =24/n ₃ =24)	0%	0%	0%	8%	17%	4%	0%	0%	0%
Pulmonary (n ₁ =5/n ₂ =5/n ₃ =5)	20%	20%	0%	20%	20%	0%	0%	0%	0%
Burns (n ₁ =0/n ₂ =0/n ₃ =0)									
Congenital deformity (n ₁ =0/n ₂ =0/n ₃ =0)									
Other impairments (n ₁ =20/n ₂ =20/n ₃ =20)	0%	0%	0%	5%	5%	5%	5%	0%	5%
Major multiple trauma (n ₁ =2/n ₂ =2/n ₃ =2)	0%	0%	0%	0%	50%	0%	0%	0%	0%
Developmental disability (n ₁ =0/n ₂ =0/n ₃ =0)									
Reconditioning (n ₁ =108/n ₂ =116/n ₃ =111)	3%	3%	5%	10%	13%	8%	0%	2%	0%

Outcome measures

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

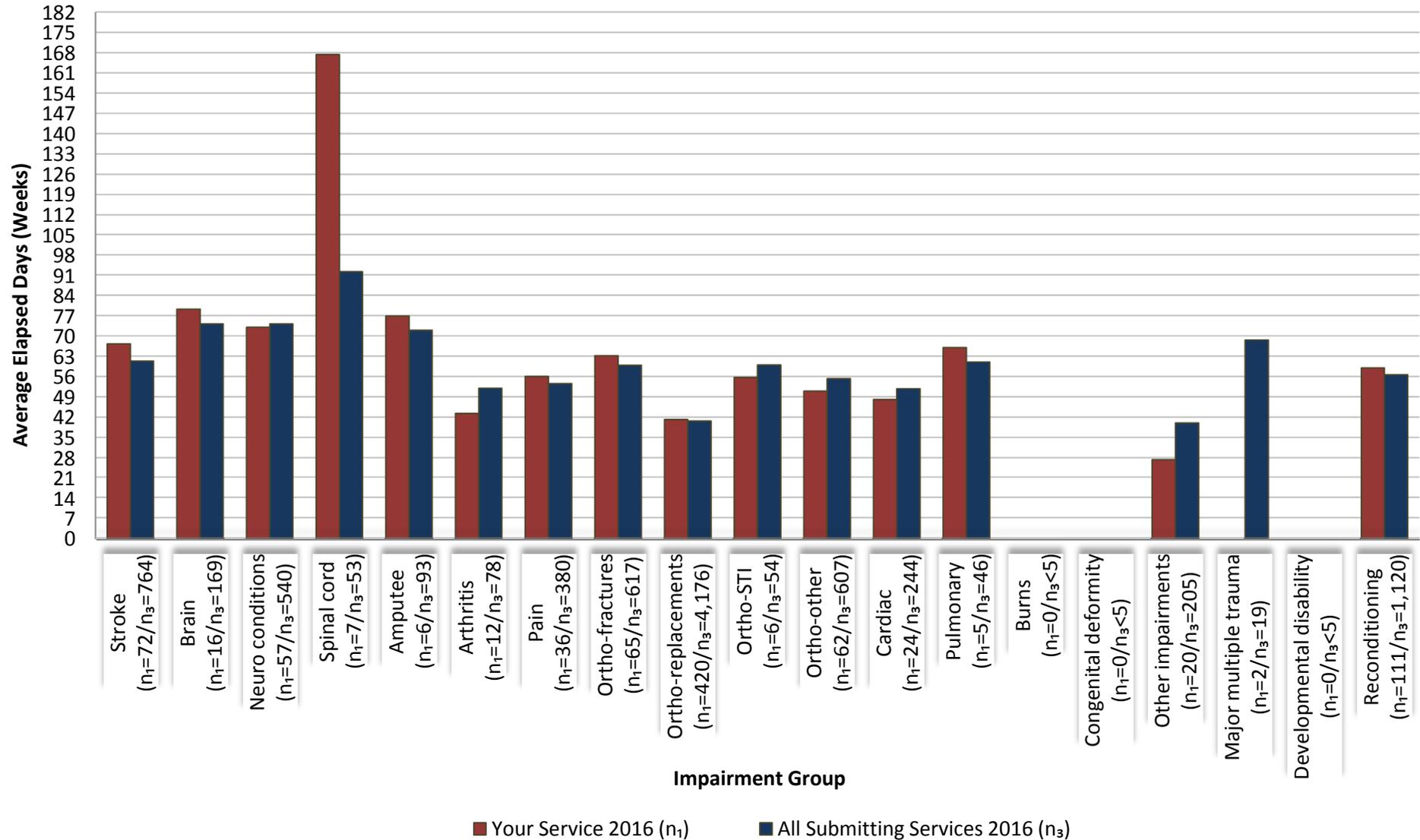
- Episode length..... 30
- Occasions of service..... 36
- Employment status..... 40
- Independence outcomes..... 43
- Lawton's score change..... 46
- Lawton's score outcomes - all episodes..... 50
- Lawton's score outcomes - impairment specific..... 57

Elapsed days by impairment group

Impairment group	Your Service 2016			Your Service 2015			All Submitting Services 2016		
	N	Mean Elapsed Days	Trimmed Data Range*	N	Mean Elapsed Days	Trimmed Data Range*	N	Mean Elapsed Days	Trimmed Data Range*
Stroke	72	67.2	(25 - 120)	67	63.9	(26 - 134)	764	61.3	(20 - 110)
Brain	16	79.3	(38 - 151)	24	64.6	(29 - 135)	169	74.1	(26 - 151)
Neurological conditions	57	72.9	(29 - 173)	48	54.6	(17 - 85)	540	74.2	(27 - 162)
Spinal cord	7	167.3	-	3	44.3	-	53	92.1	(33 - 176)
Amputee	6	76.8	-	8	86.8	-	93	72.0	(36 - 113)
Arthritis	12	43.3	(24 - 64)	5	45.8	-	78	51.9	(10 - 120)
Pain	36	56.0	(27 - 91)	33	60.2	(24 - 92)	380	53.5	(15 - 92)
Orthopaedic – fractures	65	63.1	(24 - 108)	58	61.2	(26 - 118)	617	59.9	(24 - 108)
Orthopaedic - replacements	420	41.1	(19 - 71)	423	43.2	(19 - 78)	4,176	40.6	(19 - 67)
Orthopaedic – STI	6	55.7	-	0	-	-	54	59.9	(17 - 127)
Orthopaedic – other	62	51.0	(24 - 78)	63	47.1	(23 - 89)	607	55.2	(22 - 94)
Cardiac	24	48.1	(31 - 74)	14	53.7	(31 - 85)	244	51.8	(29 - 79)
Pulmonary	5	66.0	-	11	51.6	(34 - 85)	46	61.0	(34 - 113)
Burns	0	-	-	0	-	-	<5	-	-
Congenital deformity	0	-	-	1	43.0	-	<5	-	-
Other disabling impairments	20	27.3	(5 - 57)	39	51.5	(8 - 150)	205	40.0	(3 - 85)
Major multiple trauma	2	22.0	-	5	47.2	-	19	68.6	(31 - 155)
Developmental disability	0	-	-	0	-	-	<5	-	-
Reconditioning	111	58.9	(17 - 99)	72	68.3	(29 - 132)	1,120	56.6	(24 - 92)
Missing or Invalid	36			55			464		
All Impairments	957	52.0	(19 - 91)	929	51.3	(19 - 92)	9,634	51.0	(21 - 90)

* Includes middle 90% of episodes

Elapsed days by impairment group

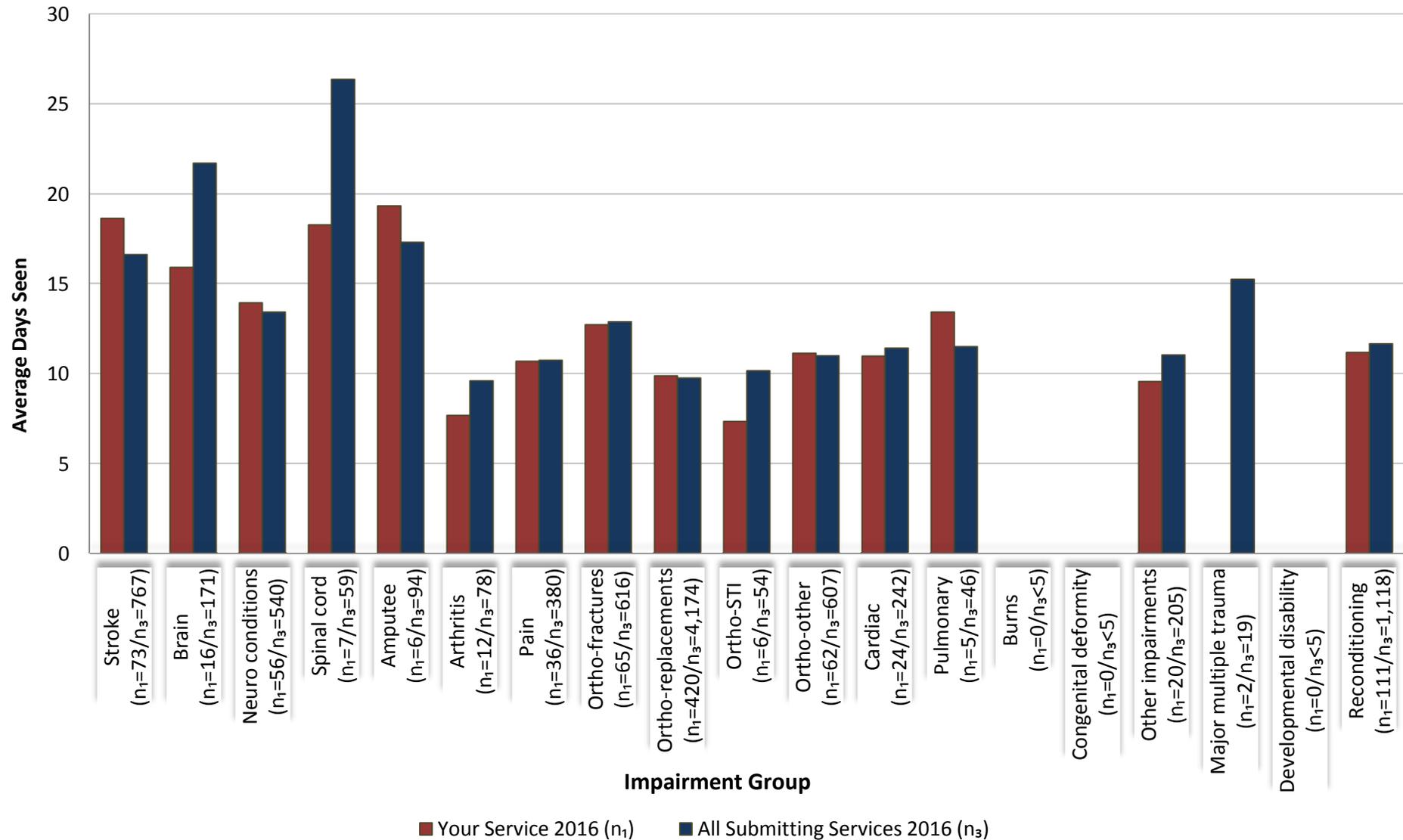


Days seen by impairment group

Impairment group	Your Service 2016			Your Service 2015			All Submitting Services 2016		
	N	Mean Days Seen	Trimmed Data Range*	N	Mean Days Seen	Trimmed Data Range*	N	Mean Days Seen	Trimmed Data Range*
Stroke	73	18.6	(5 - 38)	67	13.9	(5 - 26)	767	16.6	(4 - 34)
Brain	16	15.9	(6 - 37)	22	15.5	(6 - 31)	171	21.7	(6 - 39)
Neurological conditions	56	13.9	(6 - 28)	48	11.5	(5 - 16)	540	13.4	(5 - 25)
Spinal cord	7	18.3	-	3	13.7	-	59	26.4	(7 - 55)
Amputee	6	19.3	-	8	23.5	-	94	17.3	(6 - 33)
Arthritis	12	7.7	(6 - 10)	5	9.4	-	78	9.6	(4 - 16)
Pain	36	10.7	(4 - 17)	33	9.6	(6 - 13)	380	10.7	(5 - 16)
Orthopaedic – fractures	65	12.7	(6 - 23)	58	11.2	(5 - 19)	616	12.9	(5 - 23)
Orthopaedic - replacements	420	9.9	(5 - 16)	421	10.0	(5 - 16)	4,174	9.7	(6 - 15)
Orthopaedic – STI	6	7.3	-	0	-	-	54	10.1	(5 - 15)
Orthopaedic – other	62	11.1	(6 - 20)	63	9.9	(6 - 18)	607	11.0	(6 - 19)
Cardiac	24	11.0	(6 - 13)	14	10.4	(7 - 13)	242	11.4	(7 - 13)
Pulmonary	5	13.4	-	11	9.5	(6 - 13)	46	11.5	(6 - 21)
Burns	0	-	-	0	-	-	<5	-	-
Congenital deformity	0	-	-	1	4.0	-	<5	-	-
Other disabling impairments	20	9.6	(4 - 17)	36	11.4	(3 - 20)	205	11.0	(4 - 20)
Major multiple trauma	2	7.5	-	6	21.0	-	19	15.2	(3 - 30)
Developmental disability	0	-	-	0	-	-	<5	-	-
Reconditioning	111	11.2	(5 - 20)	73	12.5	(5 - 20)	1,118	11.6	(5 - 19)
Missing or Invalid	33			46			435		
All Impairments	954	11.5	(5 - 20)	915	11.0	(5 - 19)	9,610	11.6	(5 - 19)

* Includes middle 90% of episodes

Days seen by impairment group

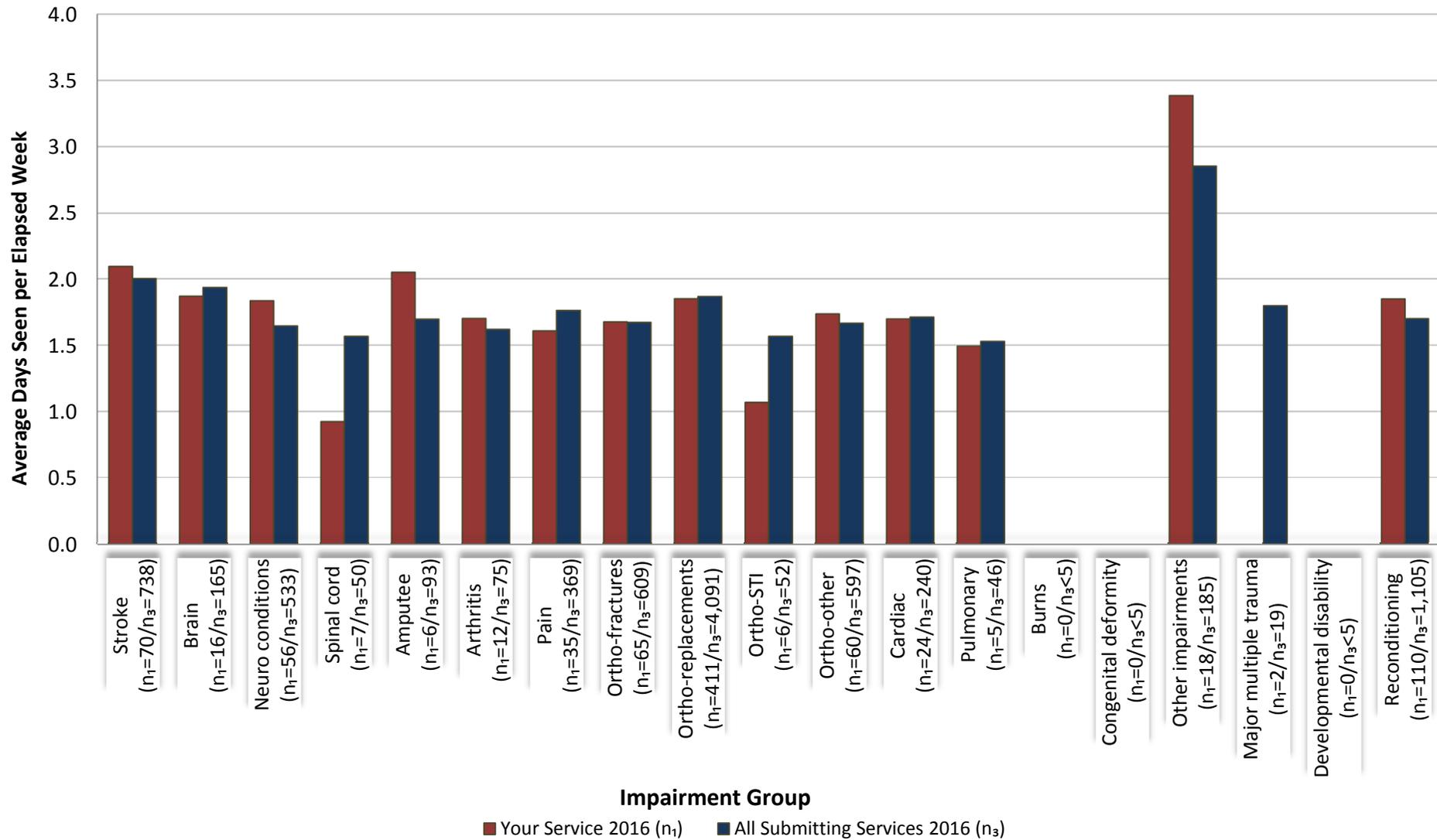


Days seen per elapsed week by impairment group

Impairment group	Your Service 2016			Your Service 2015			All Submitting Services 2016		
	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	70	2.1	(0.6 - 3.9)	66	1.8	(0.7 - 2.7)	738	2.0	(0.7 - 3.5)
Brain	16	1.9	(0.5 - 3.5)	22	2.0	(0.9 - 4.0)	165	1.9	(0.7 - 3.5)
Neurological conditions	56	1.8	(0.6 - 3.3)	47	1.8	(0.9 - 2.3)	533	1.6	(0.5 - 2.9)
Spinal cord	7	0.9	-	3	2.2	-	50	1.6	(0.7 - 2.3)
Amputee	6	2.0	-	8	2.5	-	93	1.7	(0.7 - 2.5)
Arthritis	12	1.7	(1.1 - 2.5)	5	2.8	-	75	1.6	(0.8 - 2.6)
Pain	35	1.6	(0.8 - 2.0)	33	1.5	(0.7 - 2.3)	369	1.8	(0.8 - 2.3)
Orthopaedic – fractures	65	1.7	(0.8 - 2.3)	58	1.6	(0.7 - 2.3)	609	1.7	(0.8 - 2.3)
Orthopaedic - replacements	411	1.9	(1.0 - 2.7)	419	1.9	(1.0 - 2.6)	4,091	1.9	(1.0 - 2.5)
Orthopaedic – STI	6	1.1	-	0	-	-	52	1.6	(0.8 - 2.3)
Orthopaedic – other	60	1.7	(1.0 - 2.3)	62	1.6	(0.8 - 2.5)	597	1.7	(0.8 - 2.3)
Cardiac	24	1.7	(1.0 - 2.3)	14	1.5	(0.9 - 2.0)	240	1.7	(0.9 - 2.3)
Pulmonary	5	1.5	-	11	1.4	(0.9 - 2.0)	46	1.5	(0.7 - 2.2)
Burns	0	-	-	0	-	-	<5	-	-
Congenital deformity	0	-	-	1	0.7	-	<5	-	-
Other disabling impairments	18	3.4	(0.8 - 7.0)	35	2.6	(0.4 - 5.7)	185	2.9	(0.7 - 5.8)
Major multiple trauma	2	2.9	-	5	2.2	-	19	1.8	(0.9 - 3.5)
Developmental disability	0	-	-	0	-	-	<5	-	-
Reconditioning	110	1.8	(0.7 - 3.5)	72	1.6	(0.8 - 2.2)	1,105	1.7	(0.7 - 2.3)
Missing or Invalid	51			54			638		
All Impairments	954	1.9	(0.8 - 2.8)	915	1.8	(0.8 - 2.6)	9,610	1.8	(0.8 - 2.6)

* Includes middle 90% of episodes

Days seen per elapsed week by impairment group

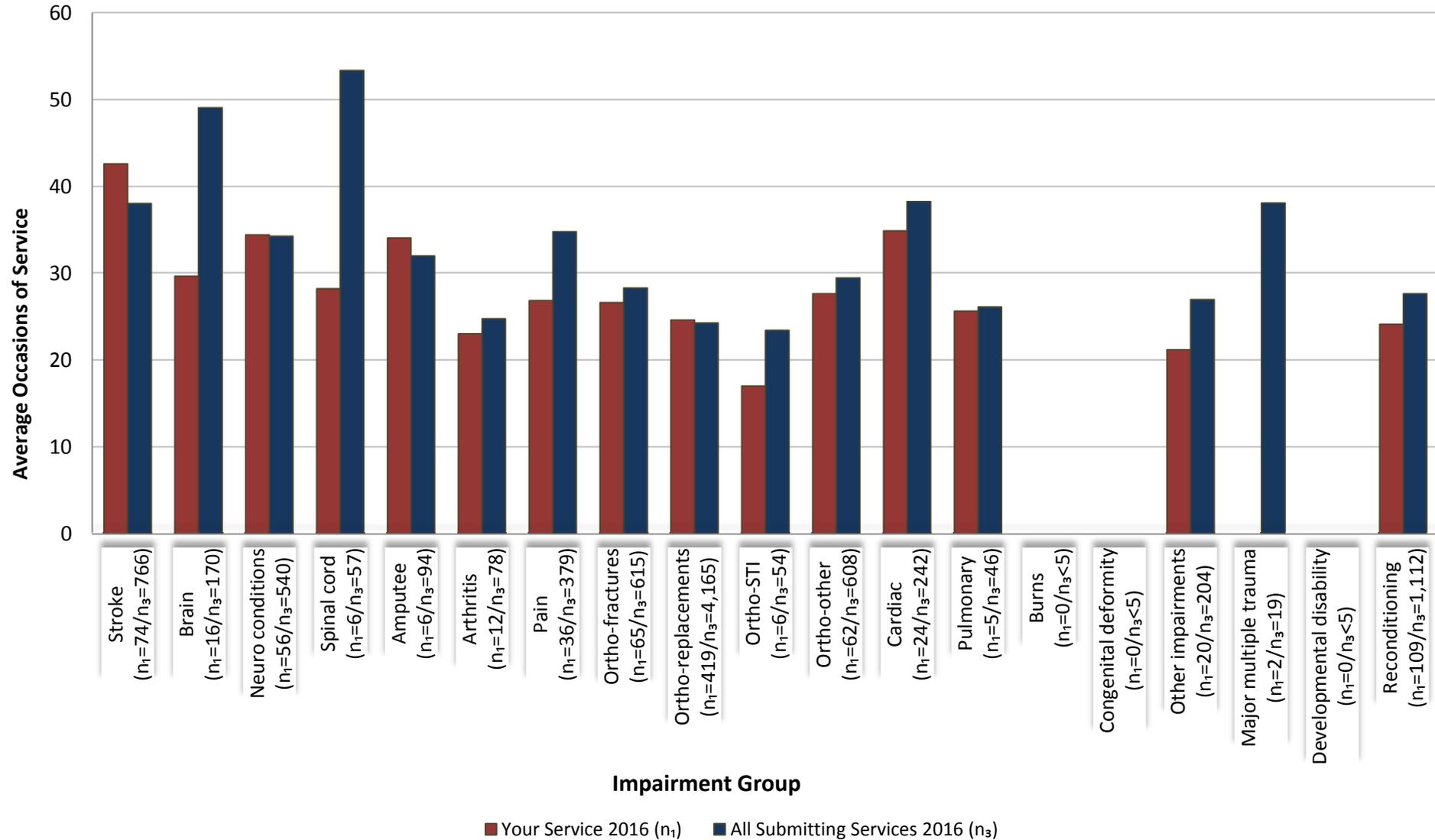


Occasions of service by impairment group

Impairment group	Your Service 2016			Your Service 2015			All Submitting Services 2016		
	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	74	42.6	(9 - 91)	67	33.8	(9 - 71)	766	38.1	(8 - 78)
Brain	16	29.6	(12 - 54)	22	33.8	(10 - 61)	170	49.1	(10 - 75)
Neurological conditions	56	34.4	(13 - 59)	48	33.6	(6 - 64)	540	34.3	(11 - 65)
Spinal cord	6	28.2	-	3	40.7	-	57	53.3	(13 - 110)
Amputee	6	34.0	-	8	50.8	-	94	31.9	(8 - 53)
Arthritis	12	23.0	(12 - 24)	5	17.8	-	78	24.7	(8 - 43)
Pain	36	26.8	(9 - 38)	33	28.3	(12 - 50)	379	34.8	(11 - 77)
Orthopaedic – fractures	65	26.6	(10 - 60)	58	24.1	(6 - 46)	615	28.3	(10 - 52)
Orthopaedic - replacements	419	24.6	(11 - 42)	421	24.1	(11 - 43)	4,165	24.2	(12 - 40)
Orthopaedic – STI	6	17.0	-	0	-	-	54	23.4	(9 - 36)
Orthopaedic – other	62	27.6	(12 - 48)	63	24.7	(12 - 47)	608	29.4	(12 - 57)
Cardiac	24	34.9	(12 - 52)	14	33.4	(16 - 52)	242	38.3	(12 - 52)
Pulmonary	5	25.6	-	11	32.1	(12 - 52)	46	26.1	(12 - 48)
Burns	0	-	-	0	-	-	<5	-	-
Congenital deformity	0	-	-	1	10.0	-	<5	-	-
Other disabling impairments	20	21.2	(8 - 40)	34	18.5	(4 - 41)	204	26.9	(8 - 54)
Major multiple trauma	2	22.5	-	6	51.2	-	19	38.1	(6 - 104)
Developmental disability	0	-	-	0	-	-	<5	-	-
Reconditioning	109	24.1	(8 - 48)	73	28.4	(8 - 58)	1,112	27.6	(10 - 51)
Missing or Invalid	36			48			456		
All Impairments	954	27.3	(10 - 49)	915	26.7	(9 - 48)	9,610	28.6	(10 - 51)

* Includes middle 90% of episodes

Occasions of service by impairment group

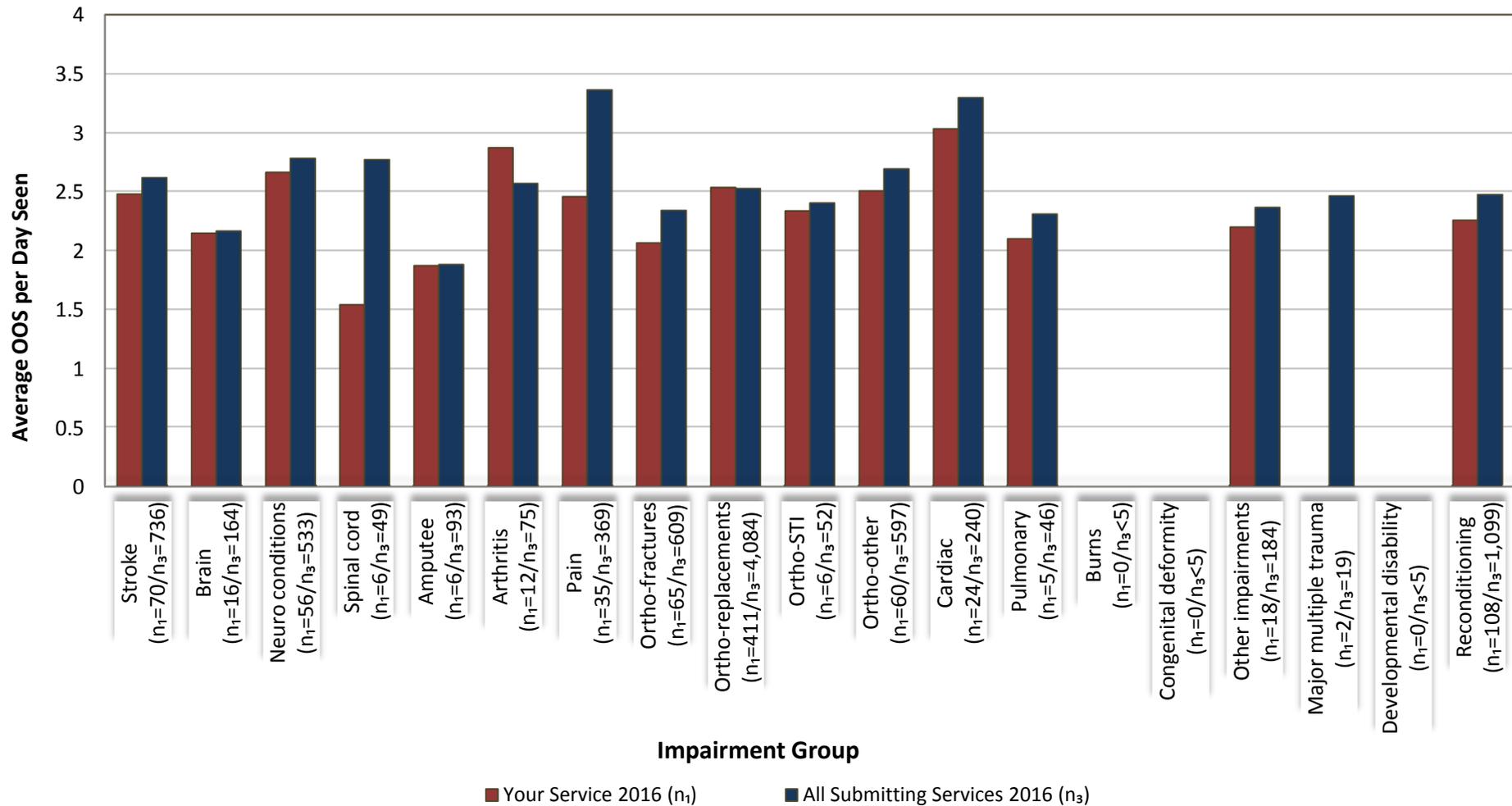


Occasions of service per day seen by impairment group

Impairment group	Your Service 2016			Your Service 2015			All Submitting Services 2016		
	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	70	2.5	(1.2 - 3.8)	66	2.6	(1.2 - 4.1)	736	2.6	(1.2 - 4.0)
Brain	16	2.1	(1.5 - 3.9)	22	2.1	(1.2 - 3.1)	164	2.2	(1.3 - 3.4)
Neurological conditions	56	2.7	(1.5 - 4.1)	47	2.9	(1.5 - 4.9)	533	2.8	(1.3 - 4.6)
Spinal cord	6	1.5	-	3	3.0	-	49	2.8	(1.1 - 5.1)
Amputee	6	1.9	-	8	1.9	-	93	1.9	(1.0 - 2.7)
Arthritis	12	2.9	(2.0 - 3.0)	5	2.2	-	75	2.6	(2.0 - 3.0)
Pain	35	2.5	(2.0 - 3.0)	33	2.9	(2.0 - 3.5)	369	3.4	(2.0 - 7.1)
Orthopaedic – fractures	65	2.1	(1.0 - 3.0)	58	2.1	(1.0 - 3.1)	609	2.3	(1.1 - 3.0)
Orthopaedic - replacements	411	2.5	(1.9 - 3.1)	419	2.4	(1.9 - 3.0)	4,084	2.5	(1.9 - 3.1)
Orthopaedic – STI	6	2.3	-	0	-	-	52	2.4	(1.9 - 3.0)
Orthopaedic – other	60	2.5	(1.7 - 3.0)	62	2.5	(1.7 - 3.0)	597	2.7	(1.9 - 3.0)
Cardiac	24	3.0	(2.0 - 4.0)	14	3.0	(2.0 - 4.0)	240	3.3	(2.0 - 4.0)
Pulmonary	5	2.1	-	11	3.1	(2.0 - 4.9)	46	2.3	(1.3 - 3.2)
Burns	0	-	-	0	-	-	<5	-	-
Congenital deformity	0	-	-	1	2.5	-	<5	-	-
Other disabling impairments	18	2.2	(1.7 - 3.0)	33	1.8	(1.0 - 3.0)	184	2.4	(1.7 - 3.7)
Major multiple trauma	2	3.3	-	5	2.2	-	19	2.5	(1.2 - 3.7)
Developmental disability	0	-	-	0	-	-	<5	-	-
Reconditioning	108	2.3	(1.0 - 3.1)	72	2.3	(1.0 - 3.2)	1,099	2.5	(1.0 - 3.5)
Missing or Invalid	54			56			656		
All Impairments	954	2.4	(1.3 - 3.3)	915	2.4	(1.2 - 3.3)	9,610	2.6	(1.4 - 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

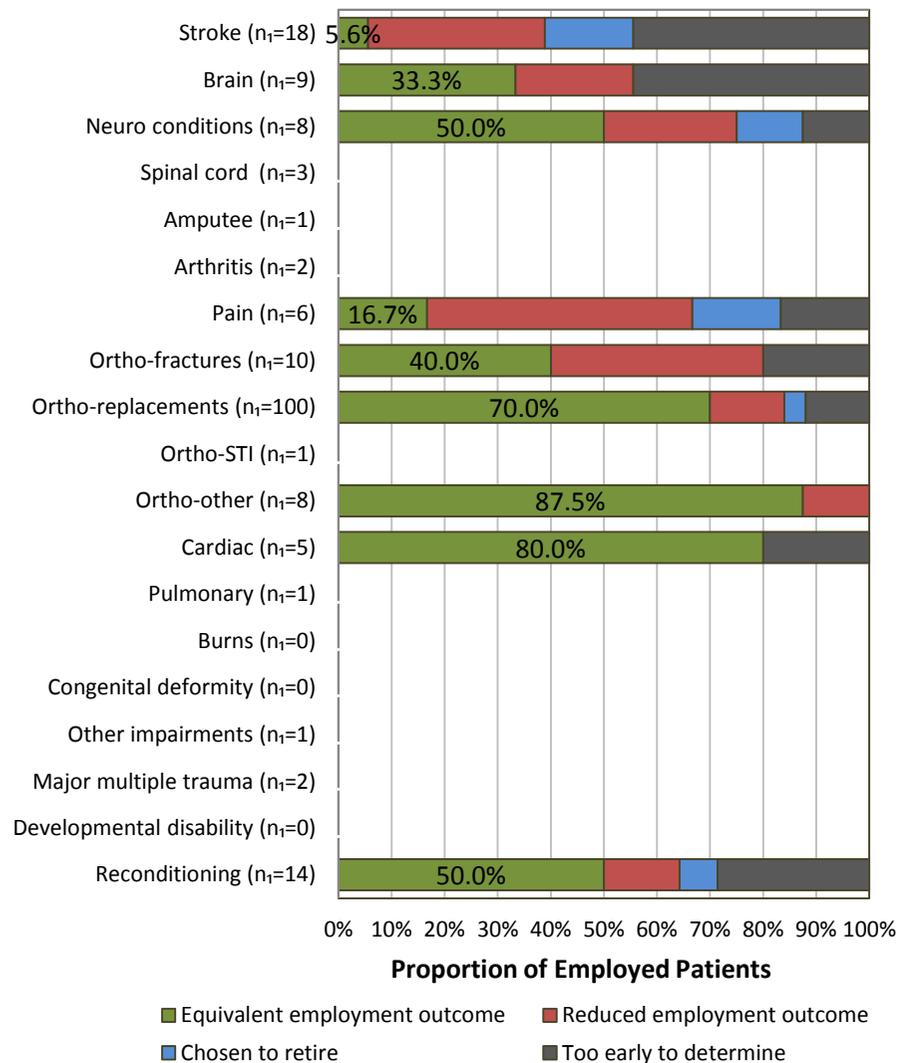
Employment outcomes are only considered for patients who were employed prior to injury/impairment or exacerbation of impairment.

Employment outcomes by impairment group

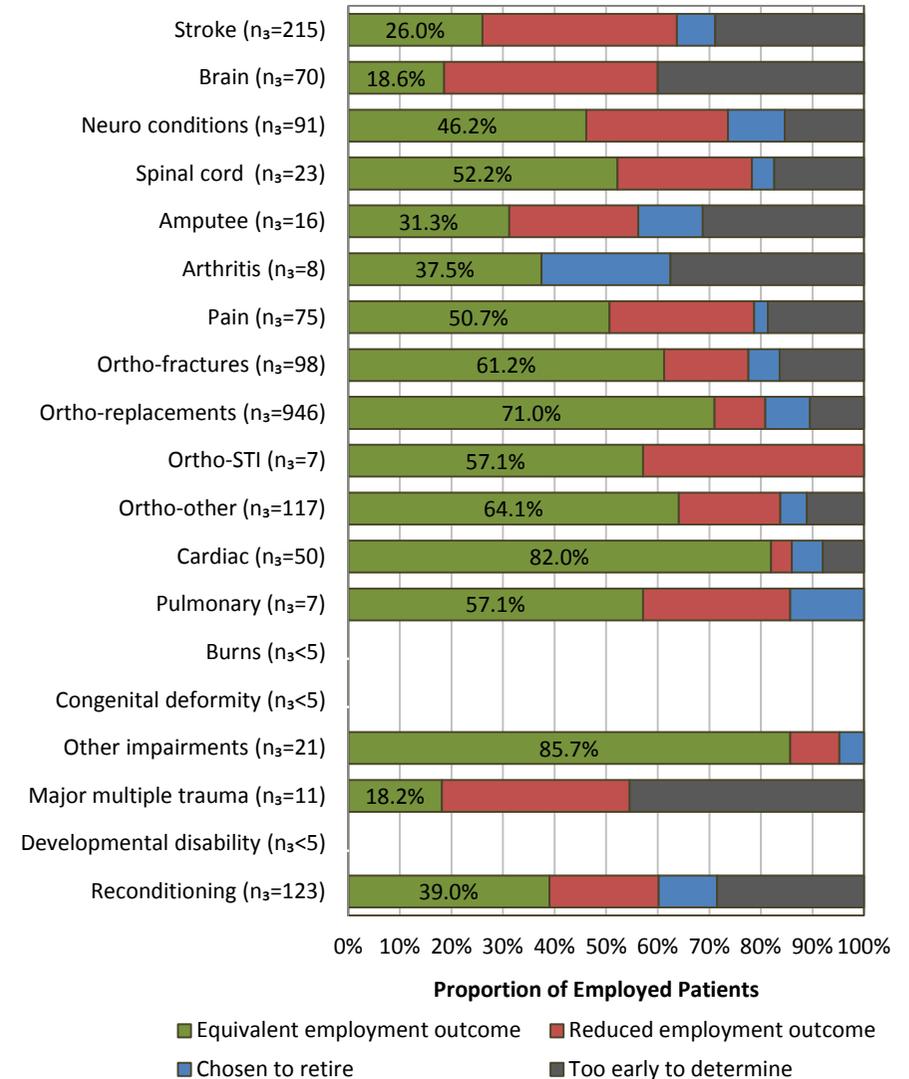
Impairment group	Your Service 2016		Your Service 2015		All Submitting Services 2016	
	Employed Prior to Impair N	Equivalent Employment Outcome (%)	Employed Prior to Impair N	Equivalent Employment Outcome (%)	Employed Prior to Impair N	Equivalent Employment Outcome (%)
Stroke	18	5.6	14	35.7	215	26.0
Brain	9	33.3	7	28.6	70	18.6
Neurological conditions	8	50.0	11	45.5	91	46.2
Spinal cord	3	66.7	0	-	23	52.2
Amputee	1	0.0	2	50.0	16	31.3
Arthritis	2	50.0	0	-	8	37.5
Pain	6	16.7	7	71.4	75	50.7
Orthopaedic – fractures	10	40.0	8	50.0	98	61.2
Orthopaedic - replacements	100	70.0	101	74.3	946	71.0
Orthopaedic – STI	1	100.0	0	-	7	57
Orthopaedic – other	8	87.5	11	63.6	117	64
Cardiac	5	80.0	2	0.0	50	82.0
Pulmonary	1	100.0	0	-	7	57.1
Burns	0	-	0	-	<5	-
Congenital deformity	0	-	0	-	<5	-
Other disabling impairments	1	100.0	2	100.0	21	85.7
Major multiple trauma	2	0.0	2	0.0	11	18.2
Developmental disability	0	-	0	-	<5	-
Reconditioning	14	50.0	8	25.0	123	39.0
Missing	1		0		<5	
All Impairments	190	56.3	175	61.7	1,881	57.5

Employment outcomes by impairment group

Your Service 2016(n₁)



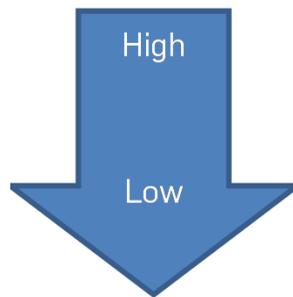
All Submitting Services 2016(n₃)



Independence outcomes by impairment group

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

Independence is ranked using the following order:



Private residence & no carer needed

Private residence & carer needed

Community group home, boarding house, transitional living unit

Residential aged care*

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:

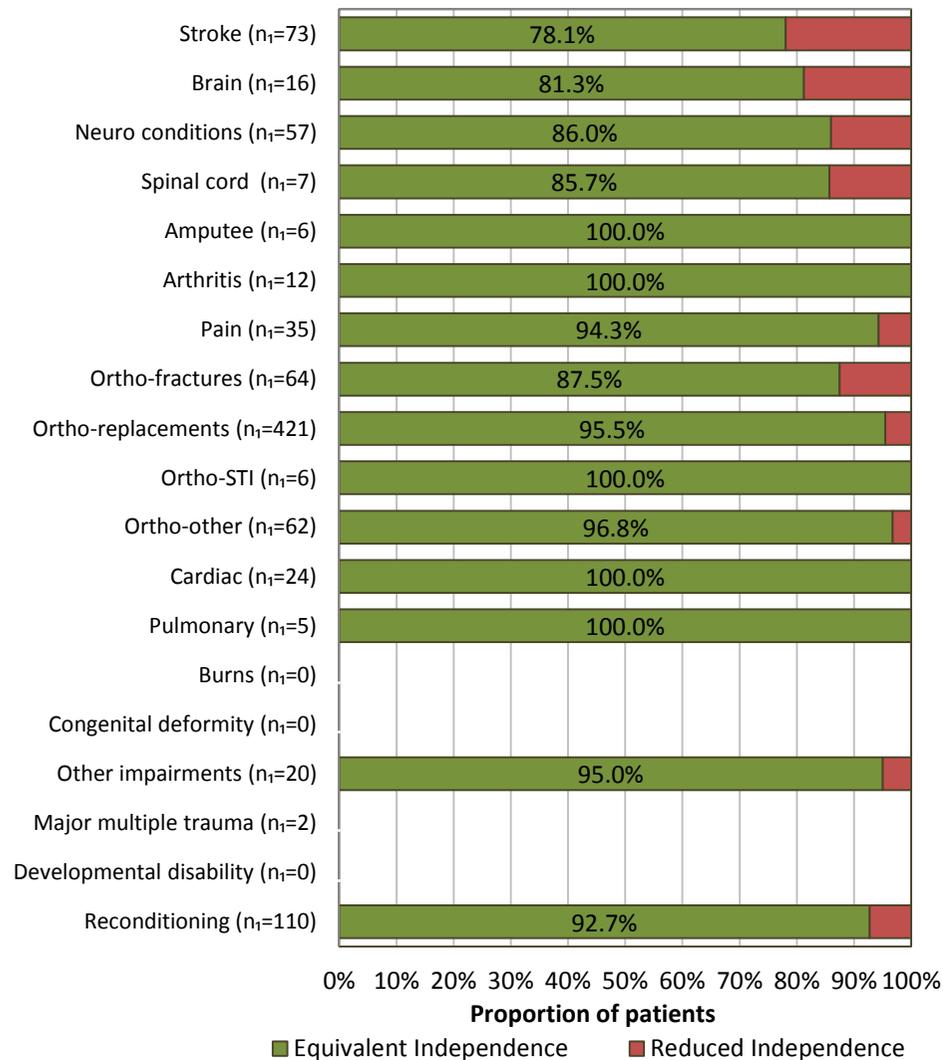
- independence after the rehabilitation episode was less than before rehabilitation

Independence outcomes by impairment group

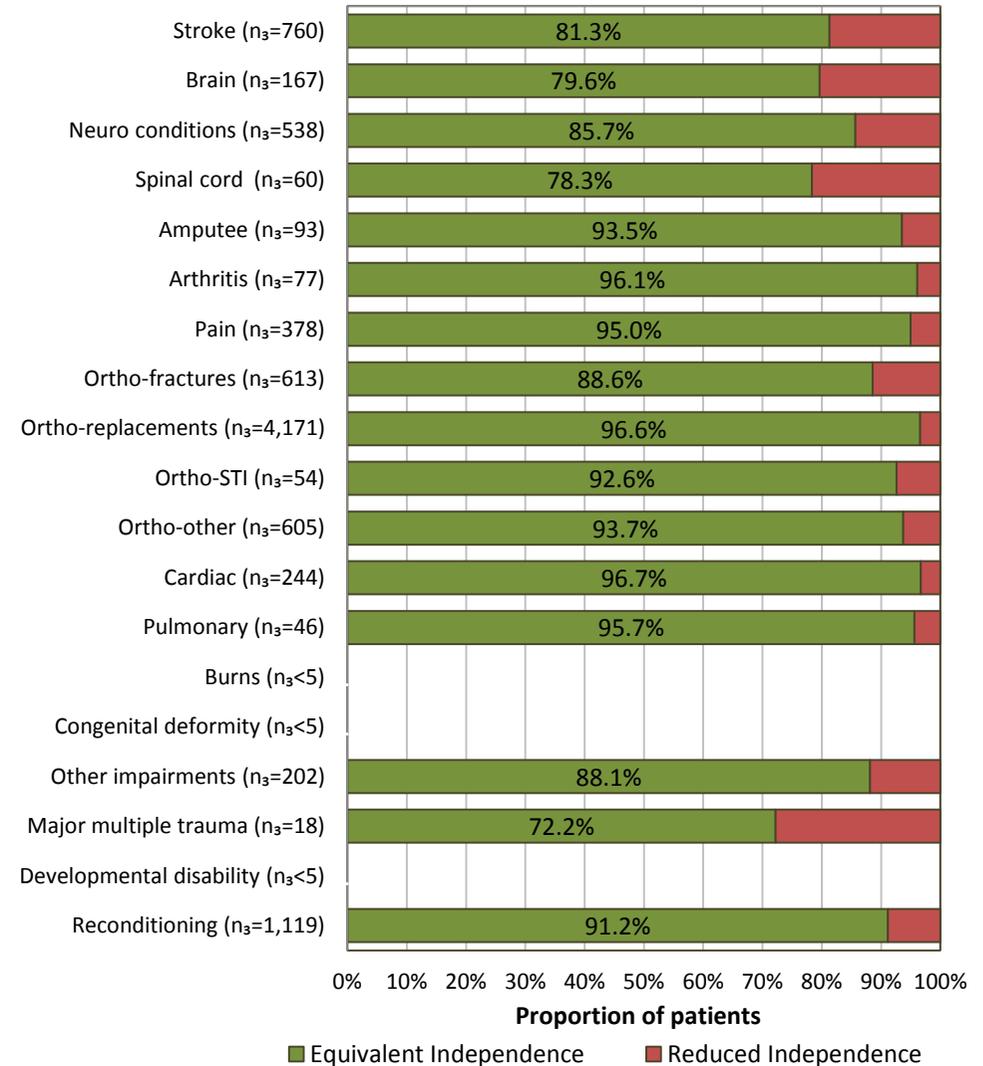
Impairment group	Your Service 2016		Your Service 2015		All Submitting Services 2016	
	N	Equivalent Independence Outcome (%)	N	Equivalent Independence Outcome (%)	N	Equivalent Independence Outcome (%)
Stroke	73	78.1	66	78.8	760	81.3
Brain	16	81.3	23	78.3	167	79.6
Neurological conditions	57	86.0	47	87.2	538	85.7
Spinal cord	7	85.7	3	100.0	60	78.3
Amputee	6	100.0	7	85.7	93	93.5
Arthritis	12	100.0	5	100.0	77	96.1
Pain	35	94.3	33	93.9	378	95.0
Orthopaedic – fractures	64	87.5	58	84.5	613	88.6
Orthopaedic - replacements	421	95.5	419	95.5	4,171	96.6
Orthopaedic – STI	6	100.0	0	-	54	93
Orthopaedic – other	62	96.8	63	92.1	605	94
Cardiac	24	100.0	14	100.0	244	96.7
Pulmonary	5	100.0	11	100.0	46	95.7
Burns	0	-	0	-	<5	-
Congenital deformity	0	-	0	-	<5	-
Other disabling impairments	20	95.0	39	87.2	202	88.1
Major multiple trauma	2	50.0	6	83.3	18	72.2
Developmental disability	0	-	0	-	<5	-
Reconditioning	110	92.7	71	91.5	1,119	91.2
Missing	34		50		460	
All Impairments	954	92.5	915	91.6	9,610	92.5

Independence outcomes

Your Service 2016(n₁)



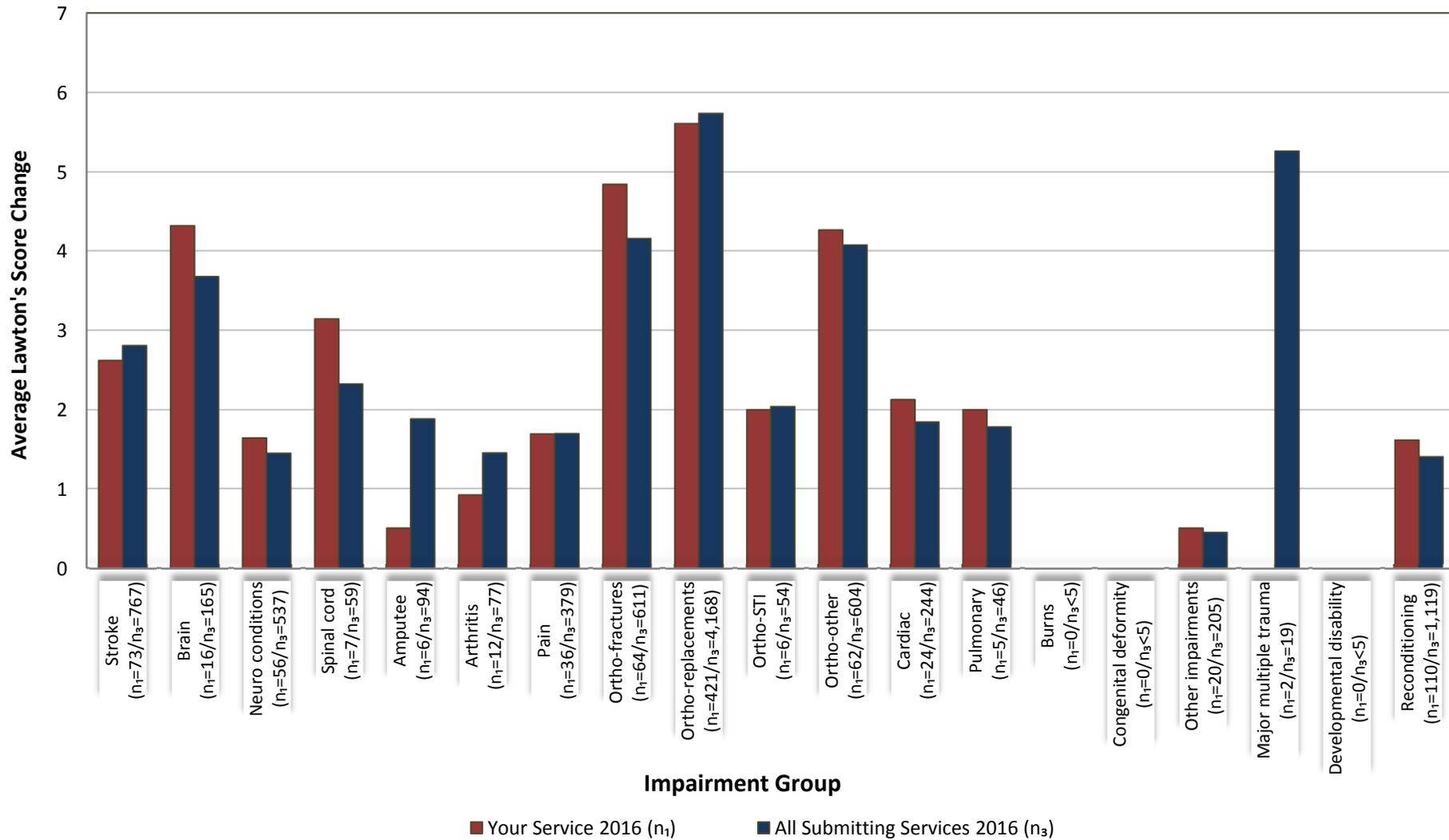
All Submitting Services 2016(n₃)



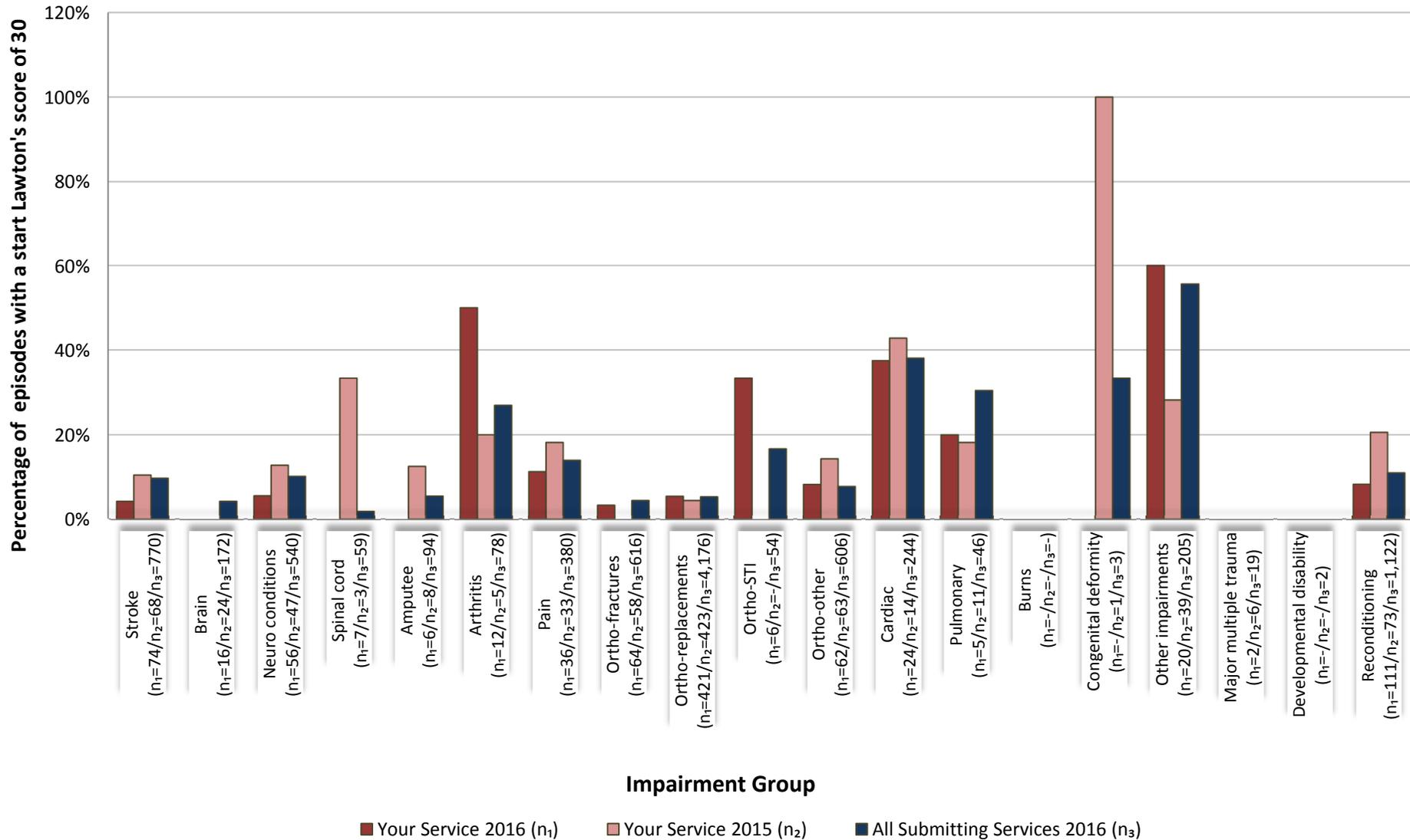
Lawton's score change

Impairment group	Your Service 2016		Your Service 2015		All Submitting Services 2016	
	N	Average Score Change	N	Average Score Change	N	Average Score Change
Stroke	73	2.6	67	1.8	767	2.8
Brain	16	4.3	24	3.7	165	3.7
Neurological conditions	56	1.6	47	0.6	537	1.5
Spinal cord	7	3.1	3	0.3	59	2.3
Amputee	6	0.5	7	2.4	94	1.9
Arthritis	12	0.9	5	1.6	77	1.5
Pain	36	1.7	33	1.5	379	1.7
Orthopaedic – fractures	64	4.8	58	4.0	611	4.2
Orthopaedic - replacements	421	5.6	423	5.9	4,168	5.7
Orthopaedic – STI	6	2.0	0	-	54	2.0
Orthopaedic – other	62	4.3	63	4.2	604	4.1
Cardiac	24	2.1	14	1.1	244	1.8
Pulmonary	5	2.0	11	1.1	46	1.8
Burns	0	-	0	-	<5	-
Congenital deformity	0	-	1	0.0	<5	-
Other disabling impairments	20	0.5	39	0.6	205	0.4
Major multiple trauma	2	4.5	6	3.5	19	5.3
Developmental disability	0	-	0	-	<5	-
Reconditioning	110	1.6	73	1.9	1,119	1.4
Missing	34		41		457	
All Impairments	954	4.0	915	4.0	9,610	3.9

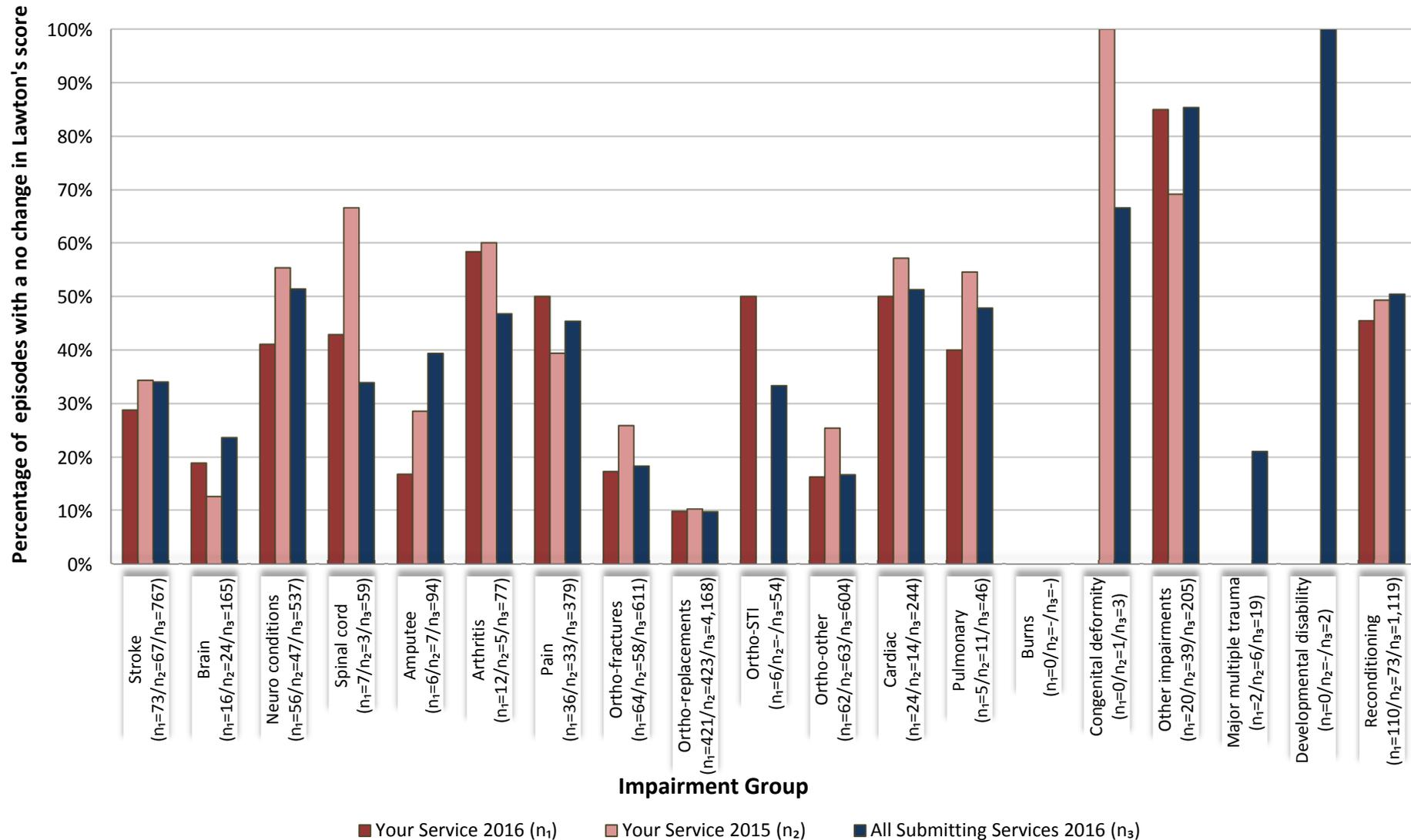
Lawton's score change



Episodes with a Lawton's start score of 30



Episodes with no change in Lawton's score



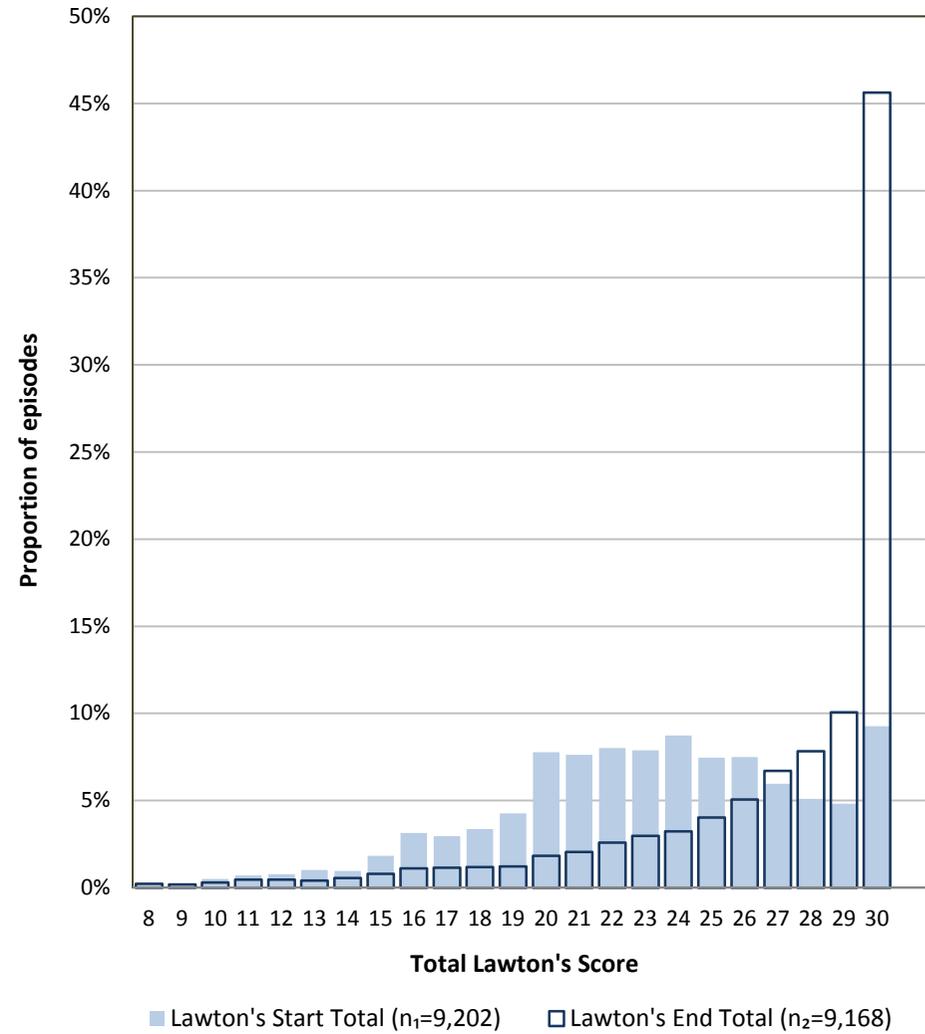
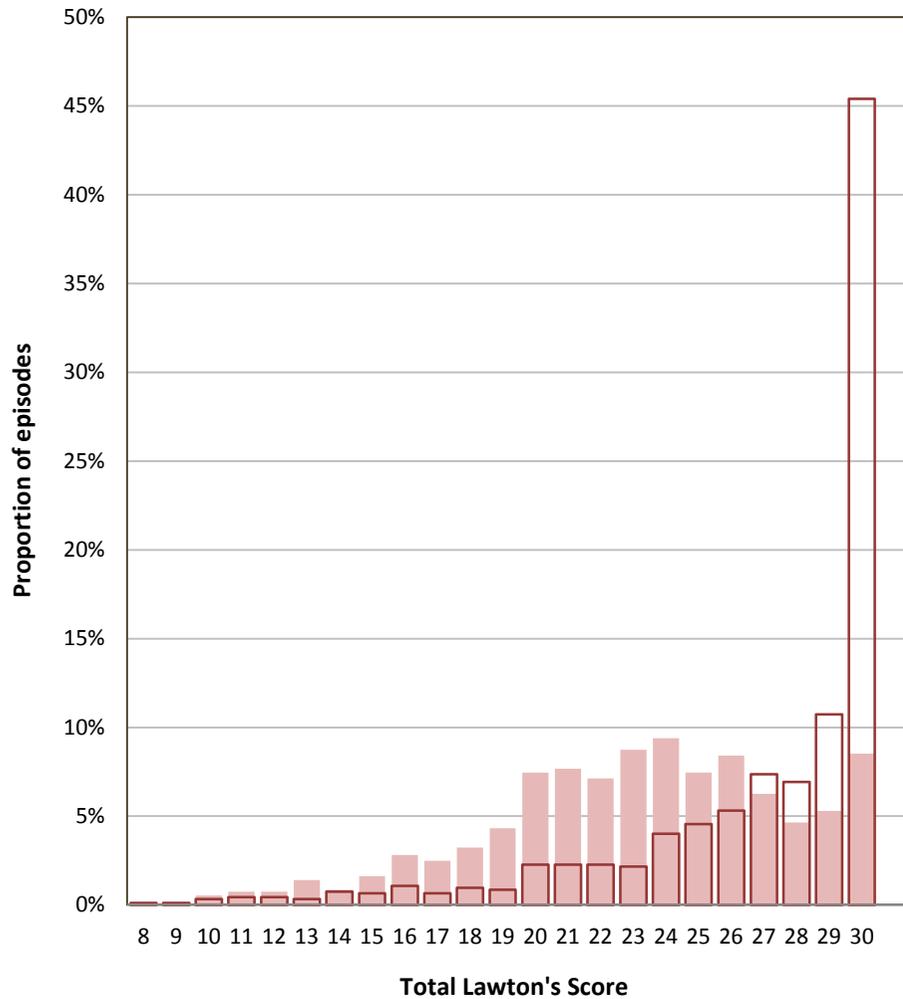


Lawton's score outcomes - All episodes

Lawton's start and end total - All episodes

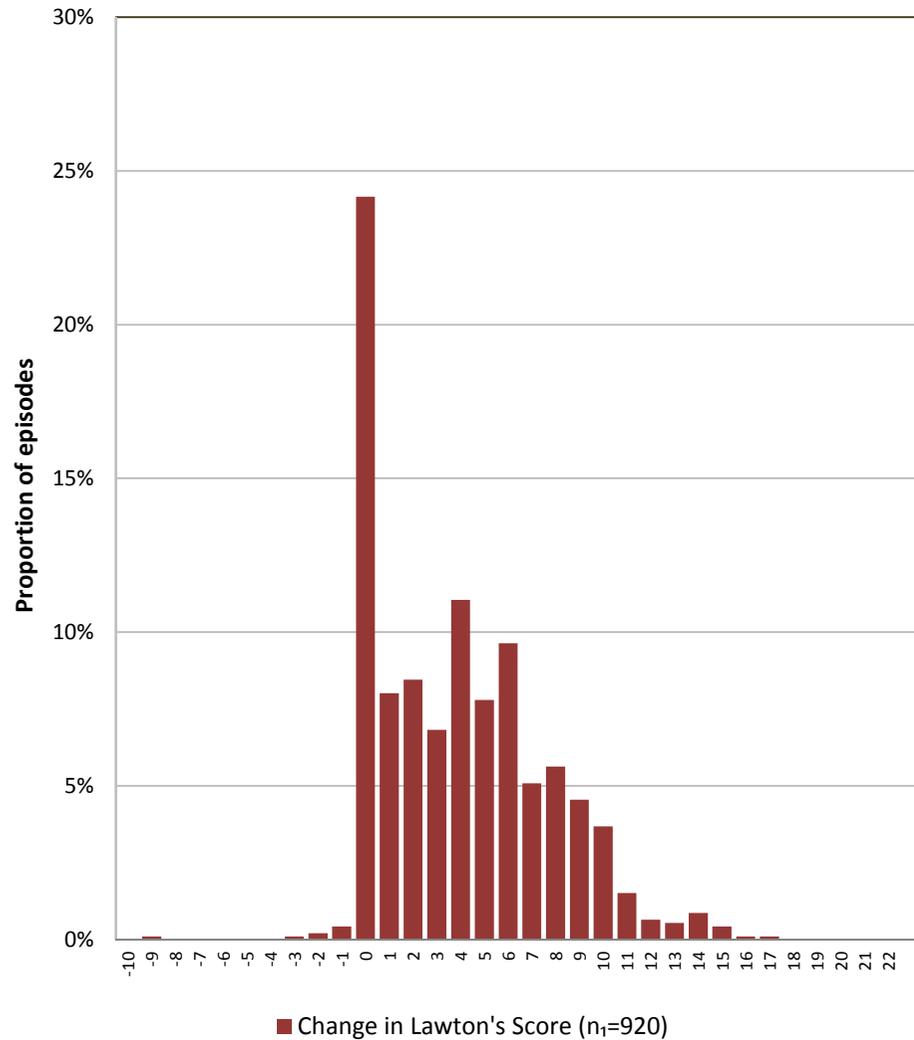
Your Service 2016

All Submitting Services 2016

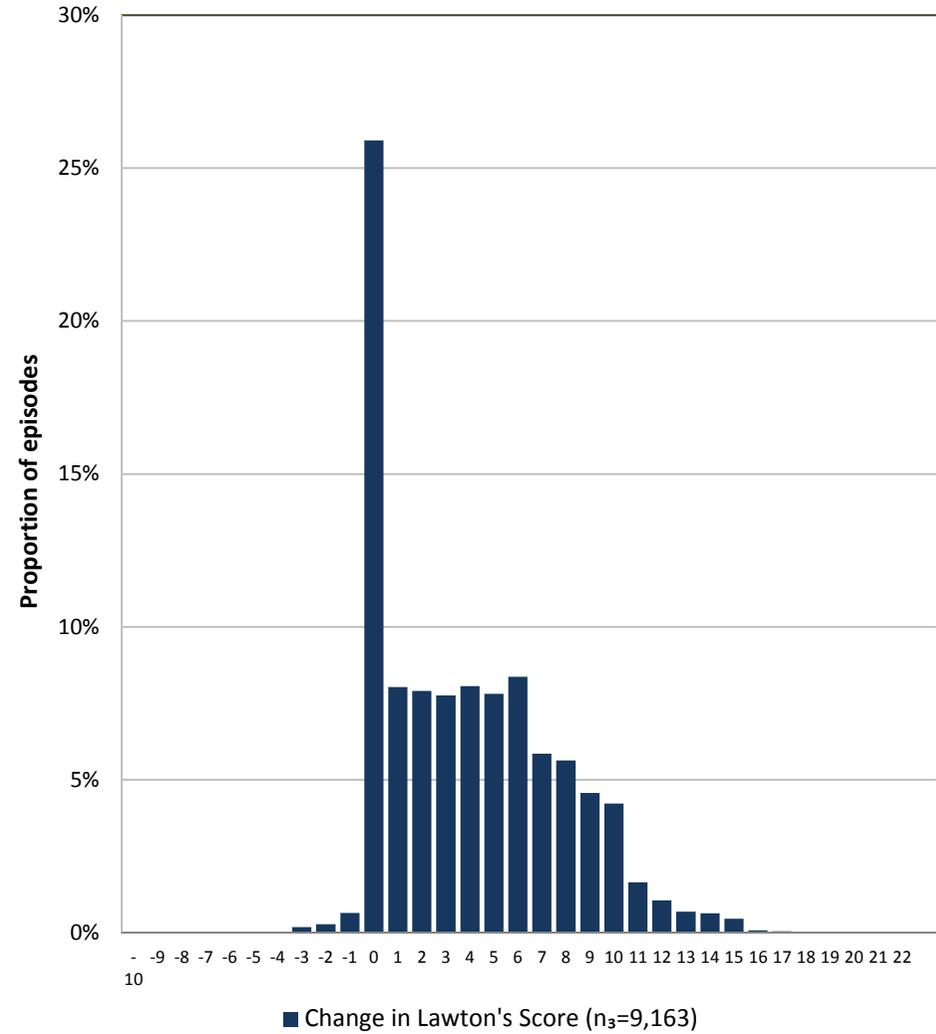


Change in Lawton's score - All episodes

Your Service 2016(n_1)

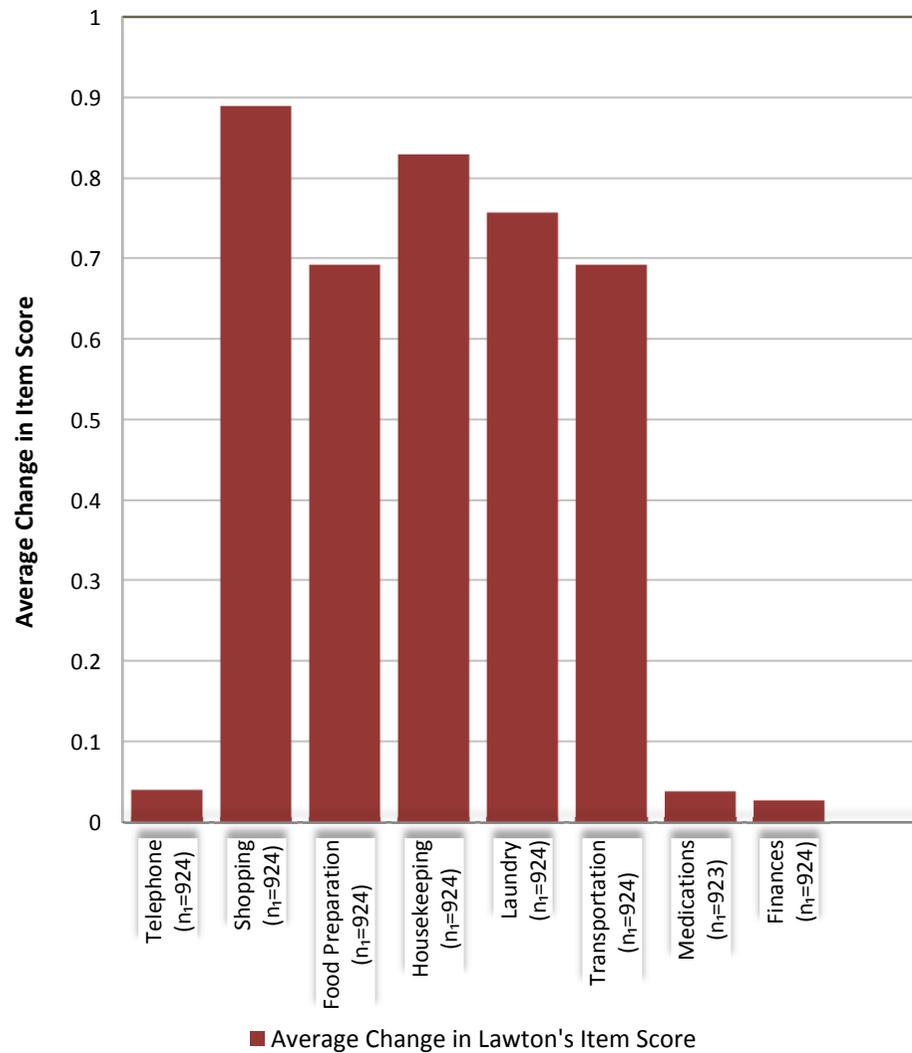


All Submitting Services 2016(n_3)

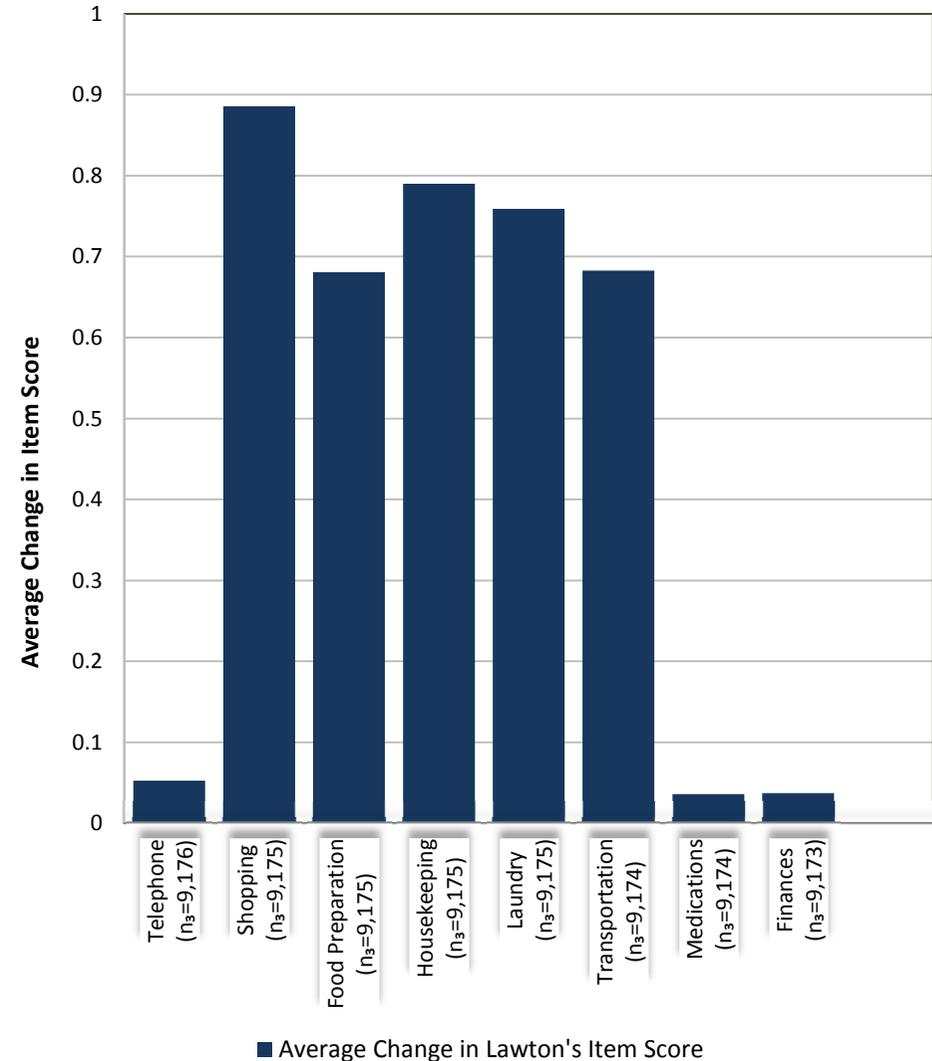


Change in Lawton's item scores - All episodes

Your Service 2016(n₁)

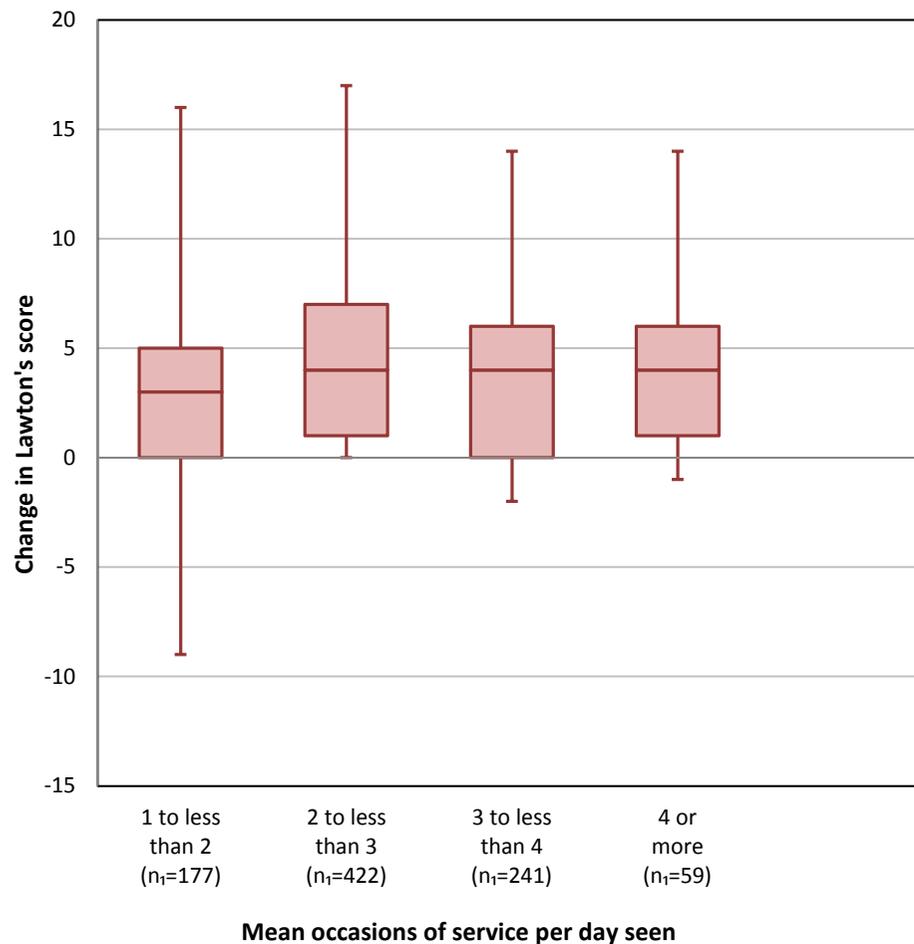


All Submitting Services 2016(n₃)

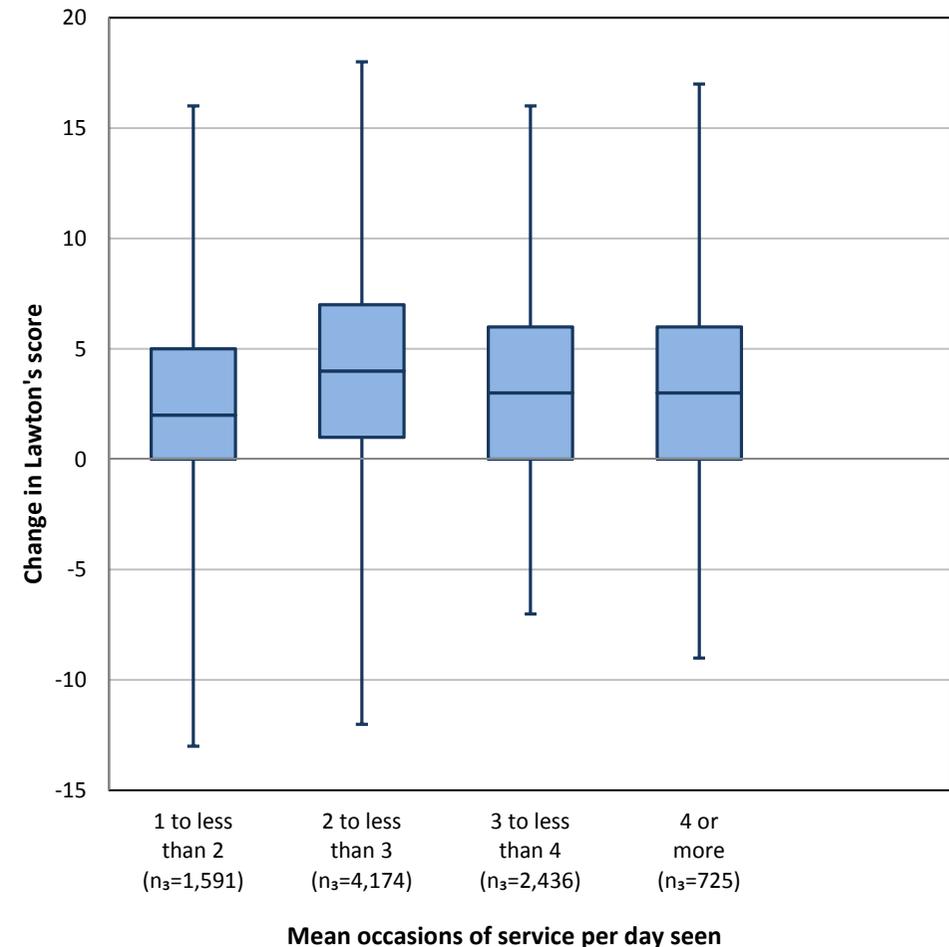


Lawton's score change by OOS/day seen - All episodes

Your Service 2016(n_1)

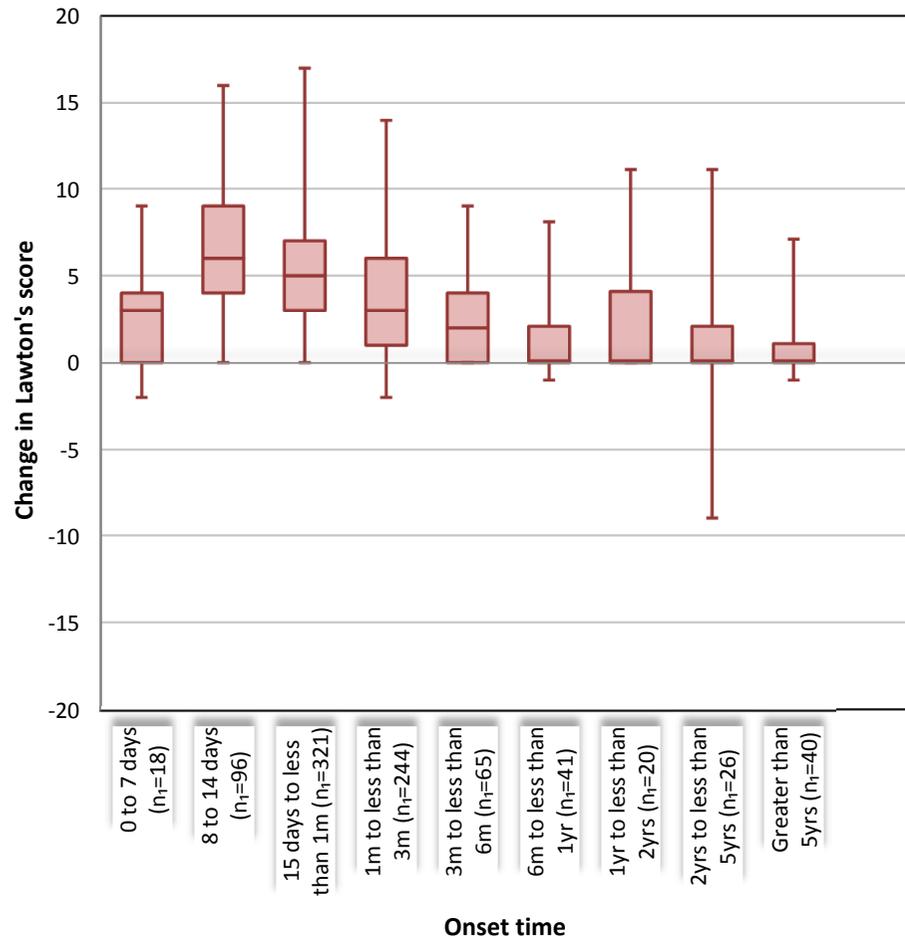


All Submitting Services 2016(n_3)

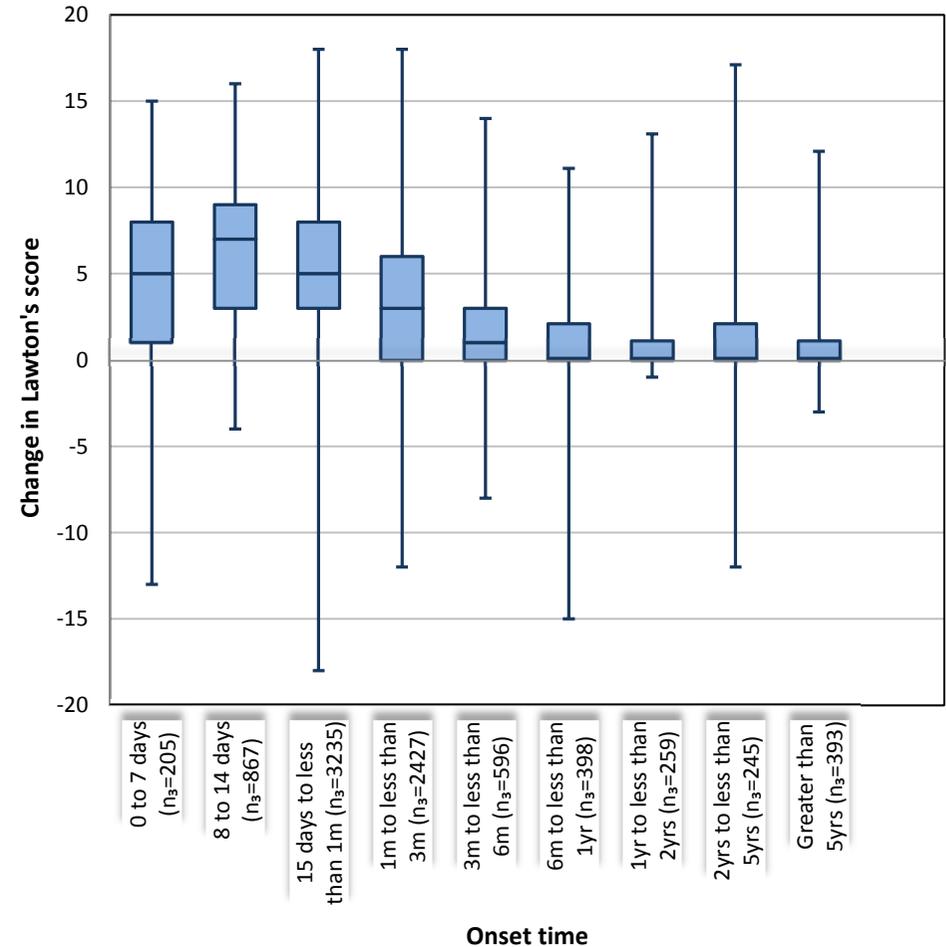


Lawton's score change by onset time - All episodes

Your Service 2016(n_1)



All Submitting Services 2016(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.

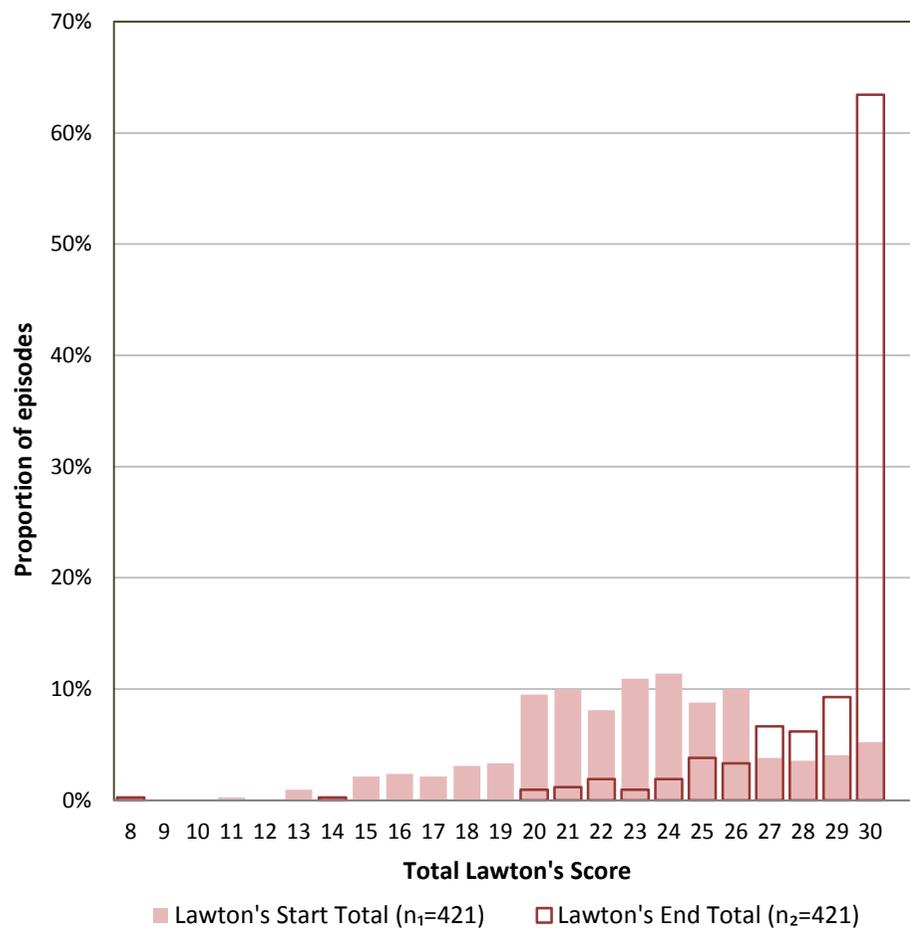
Year on year analysis of Lawton's score outcomes for all other impairments is available for All Submitting Services in the 'AROC Ambulatory Report (Pathway 4) - Anywhere Hospital – Calendar Year 2013' report, available from the AROC website under 'AROC Annual Report and Benchmarks'.

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

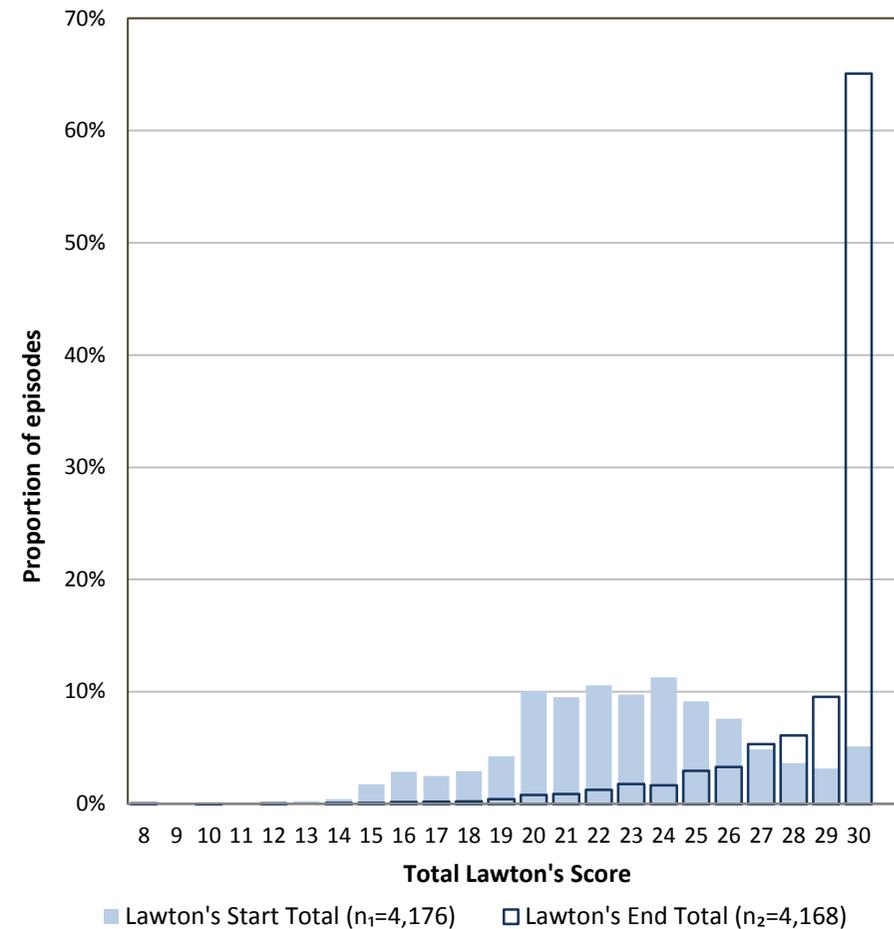
Lawton's score outcomes - Orthopaedic replacements

Lawton's start and end total - Orthopaedic replacements

Your Service 2016

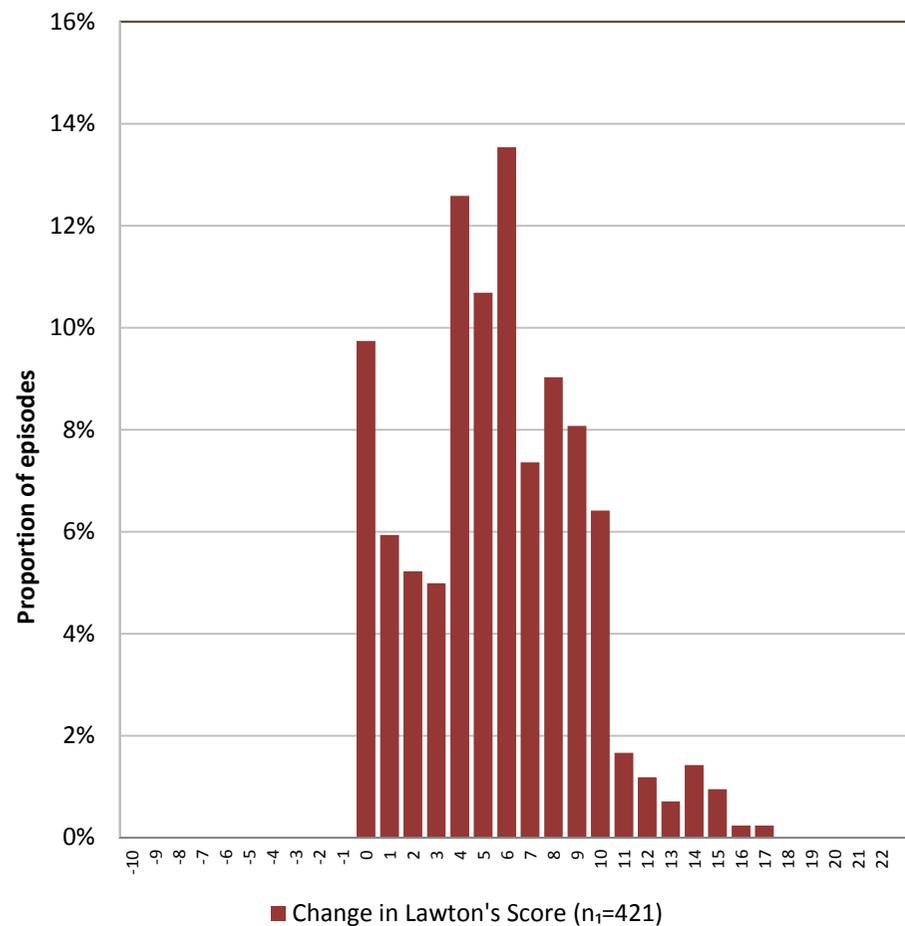


All Submitting Services 2016

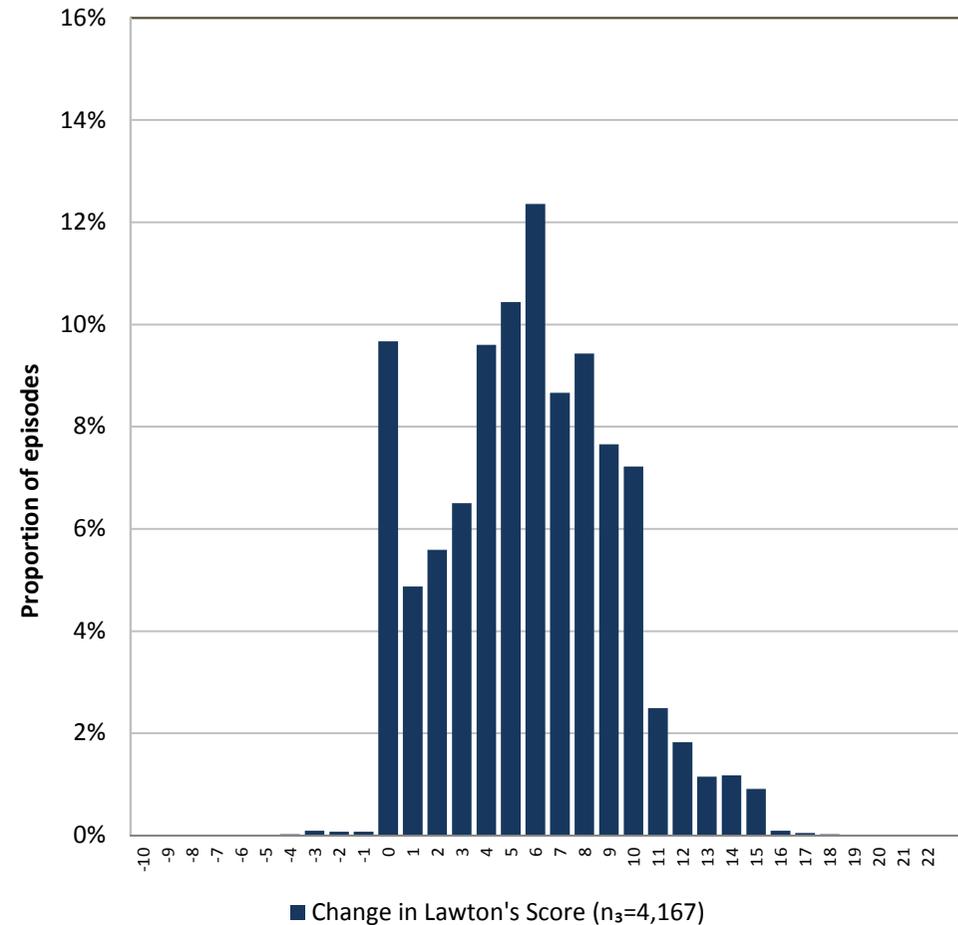


Change in Lawton's score - Orthopaedic replacements

Your Service 2016(n_1)

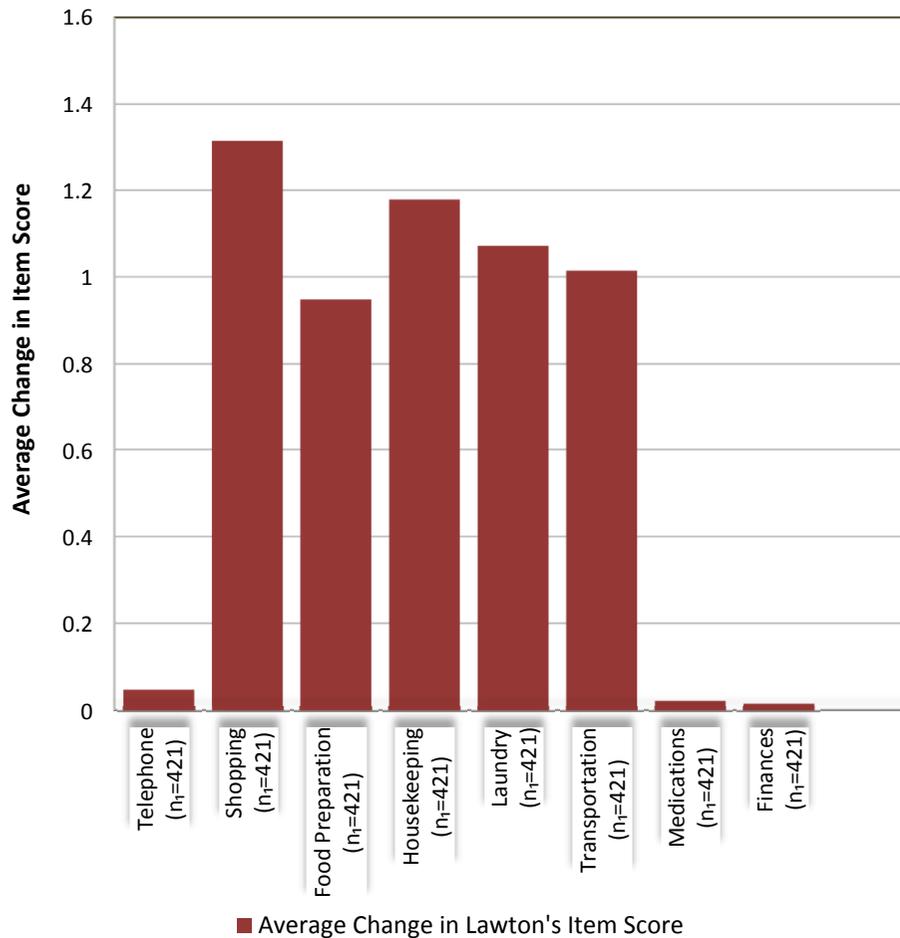


All Submitting Services 2016(n_3)

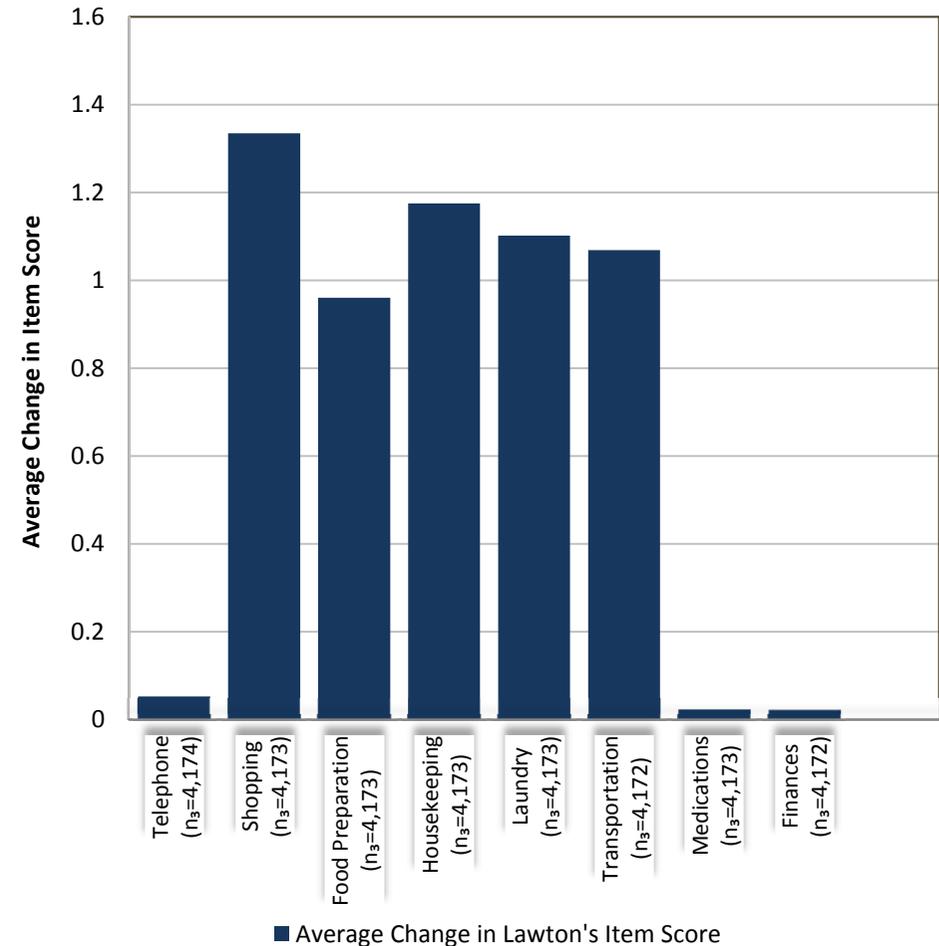


Change in Lawton's item scores - Orthopaedic replacements

Your Service 2016(n₁)

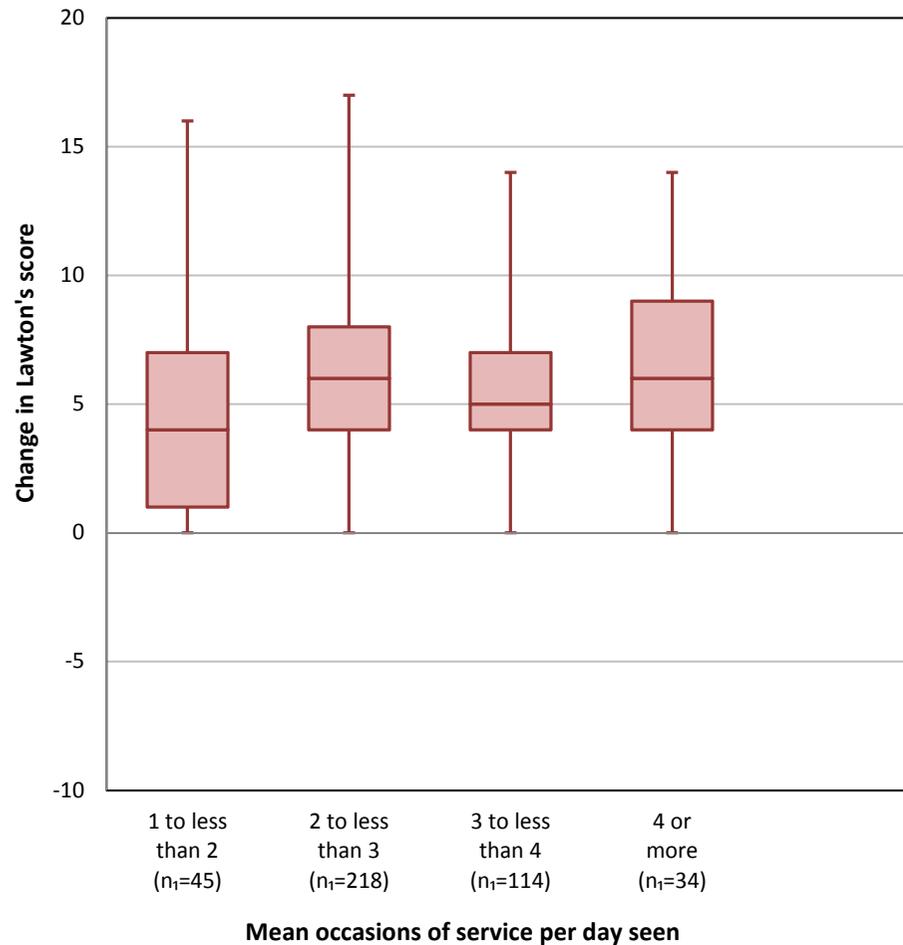


All Submitting Services 2016(n₃)

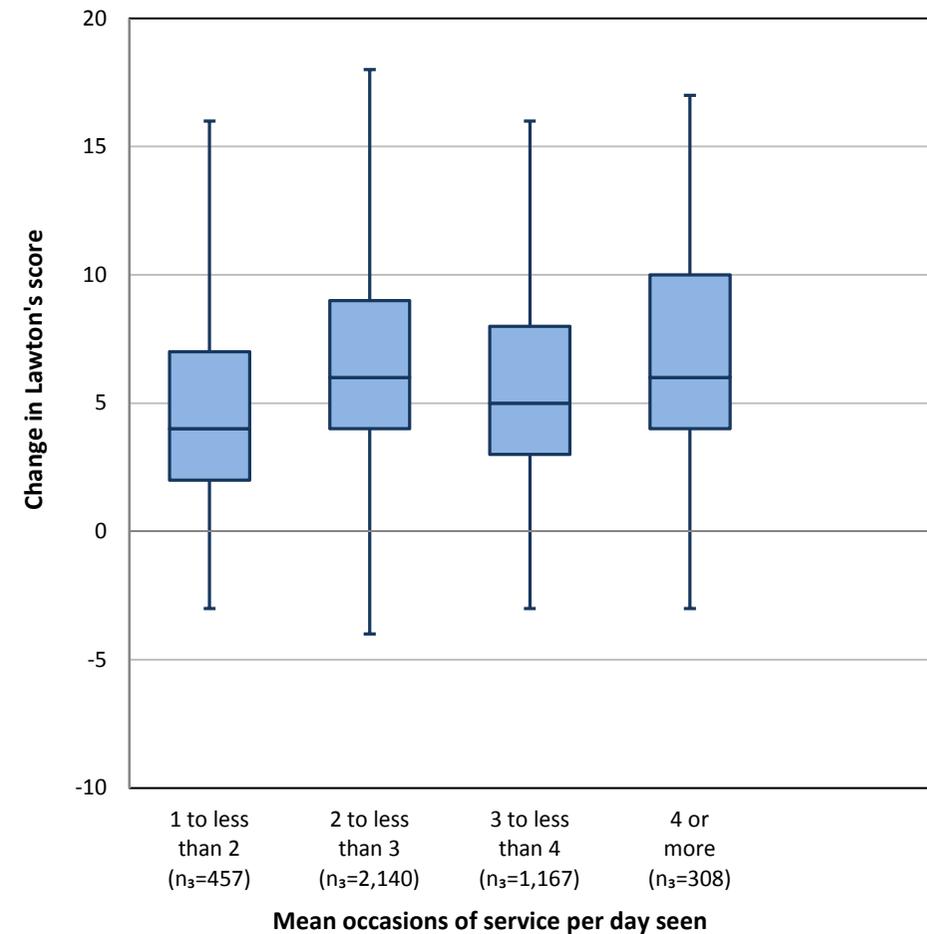


Lawton's score change by OOS/day seen - Orthopaedic replacements

Your Service 2016(n_1)

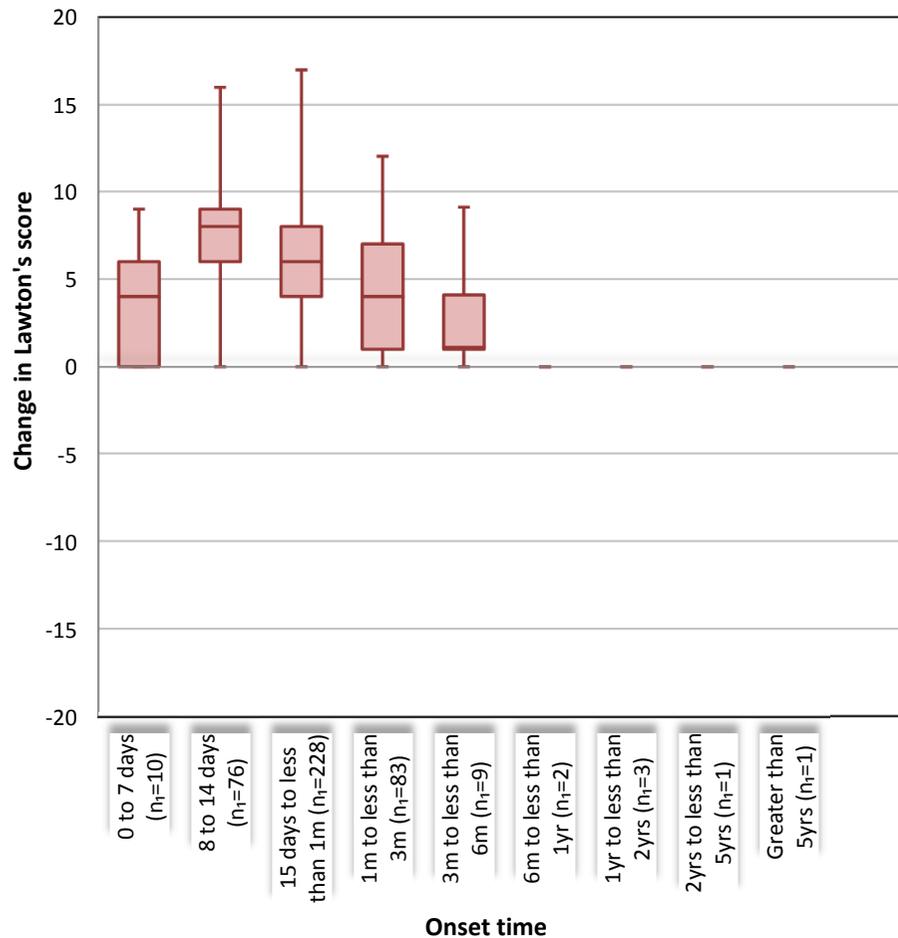


All Submitting Services 2016(n_3)

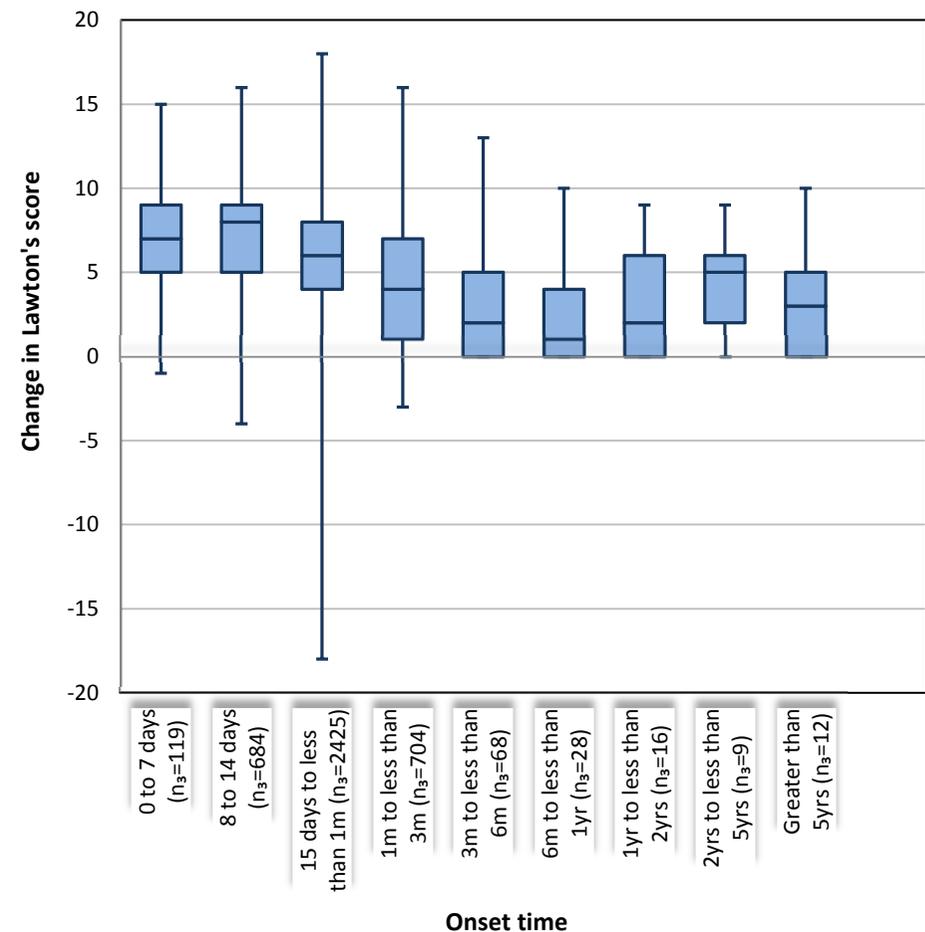


Lawton's score change by onset time - Orthopaedic replacements

Your Service 2016(n_1)



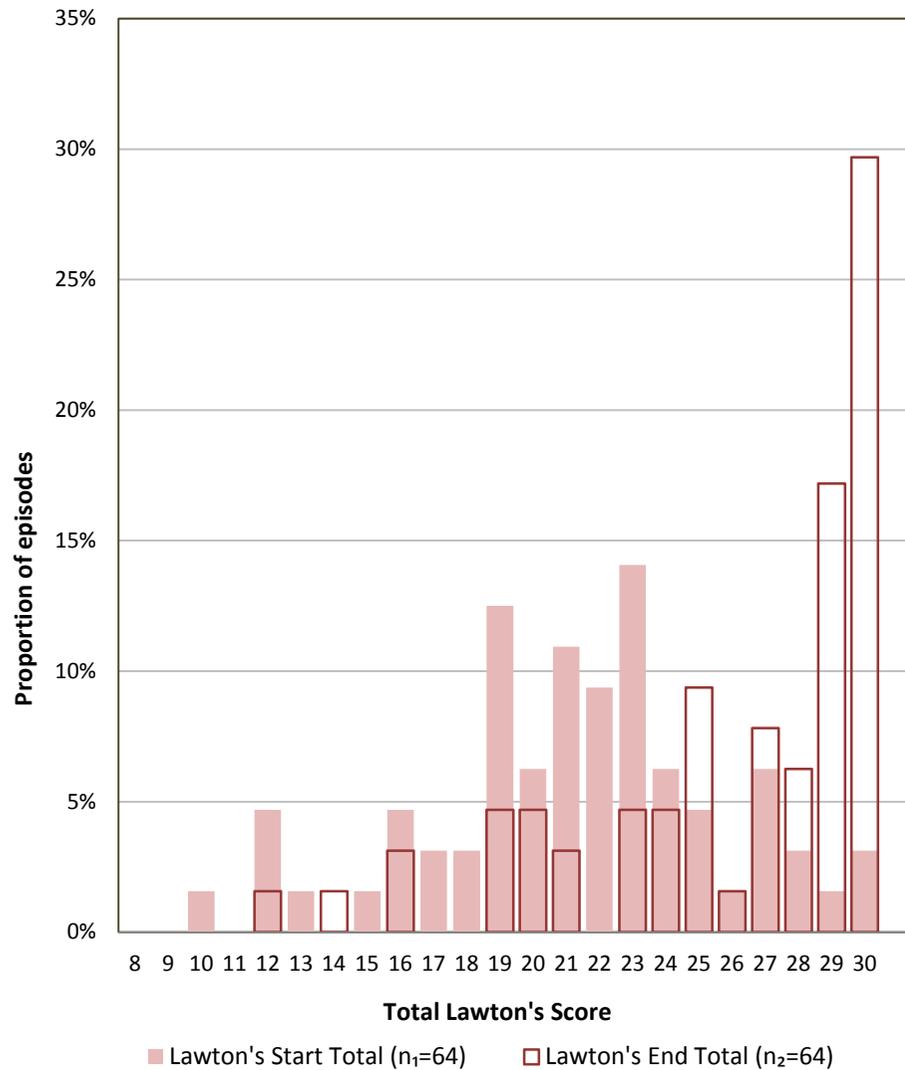
All Submitting Services 2016(n_3)



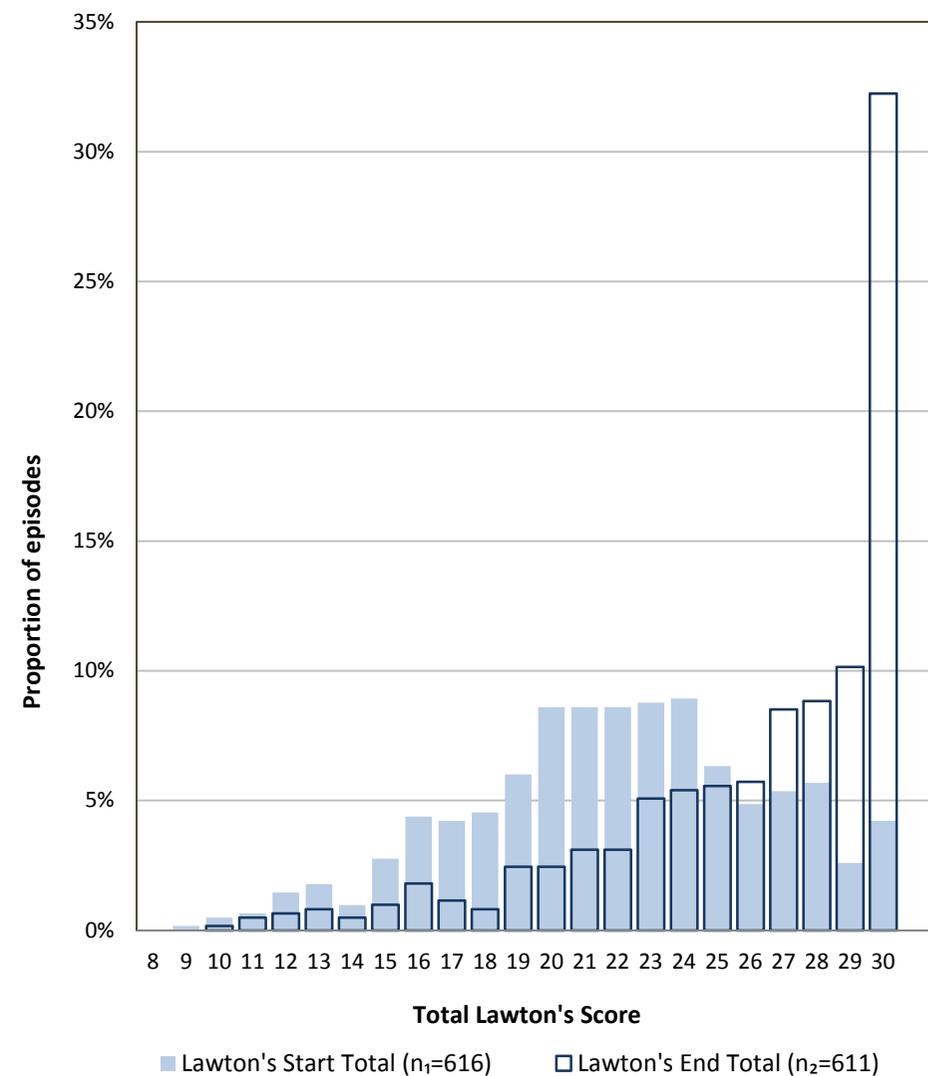
Lawton's score outcomes - Orthopaedic fractures

Lawton's start and end total - Orthopaedic fractures

Your Service 2016

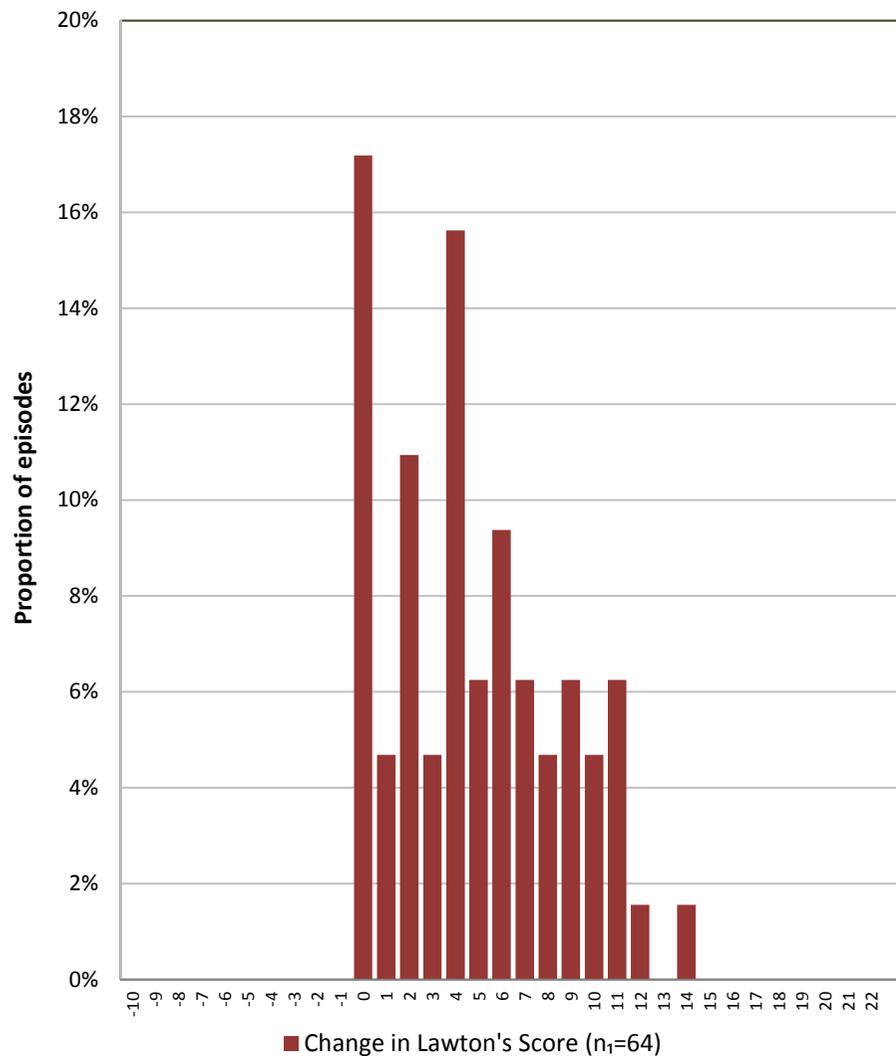


All Submitting Services 2016

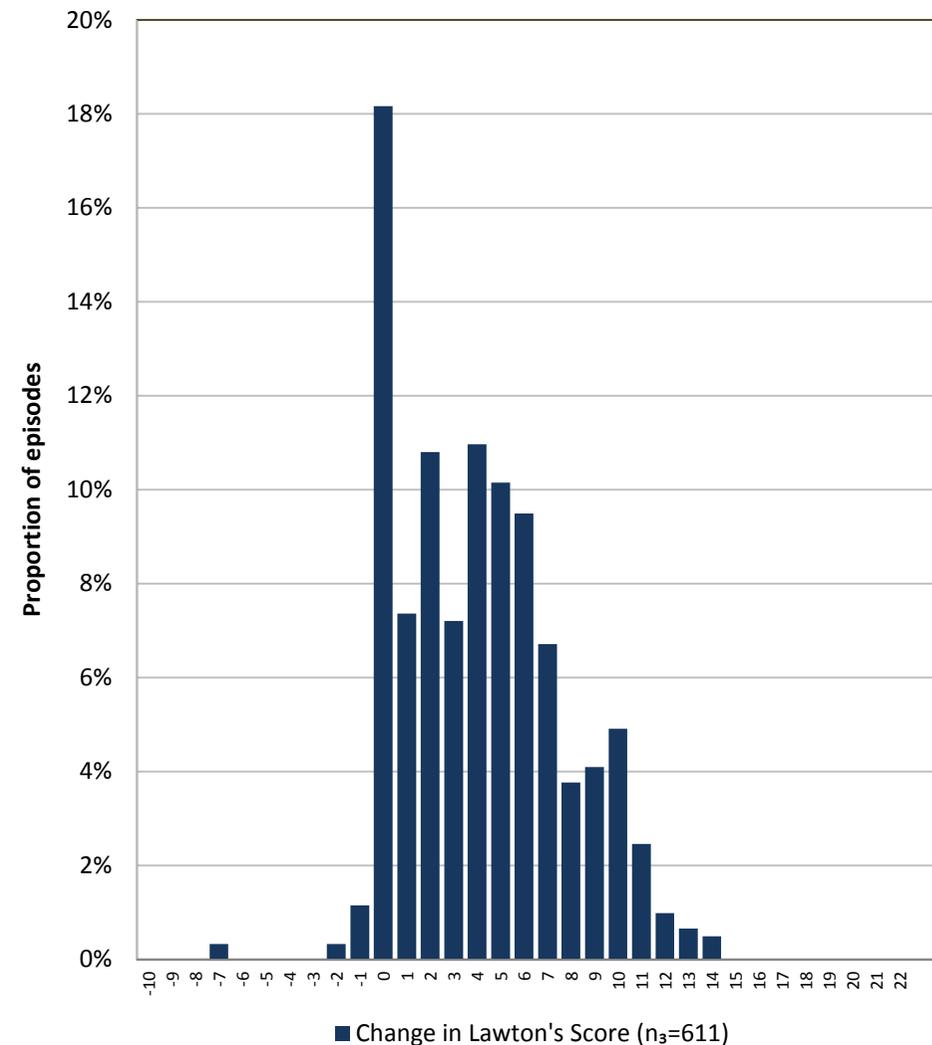


Change in Lawton's score - Orthopaedic fractures

Your Service 2016(n_1)

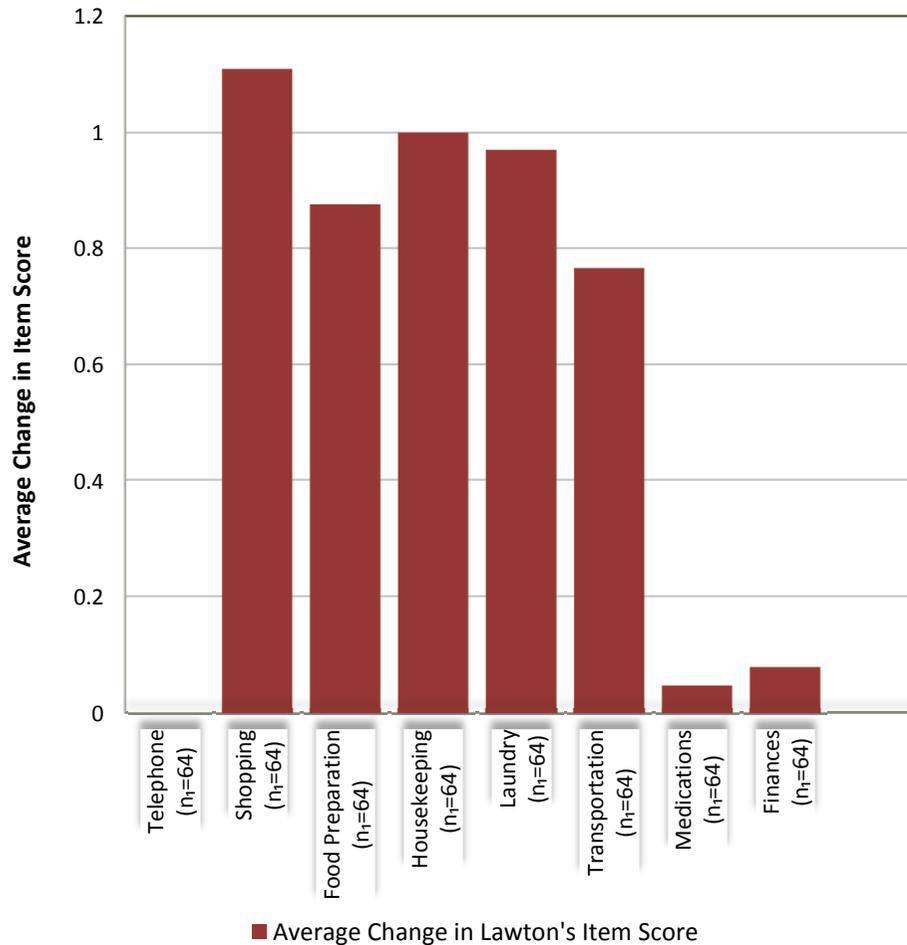


All Submitting Services 2016(n_3)

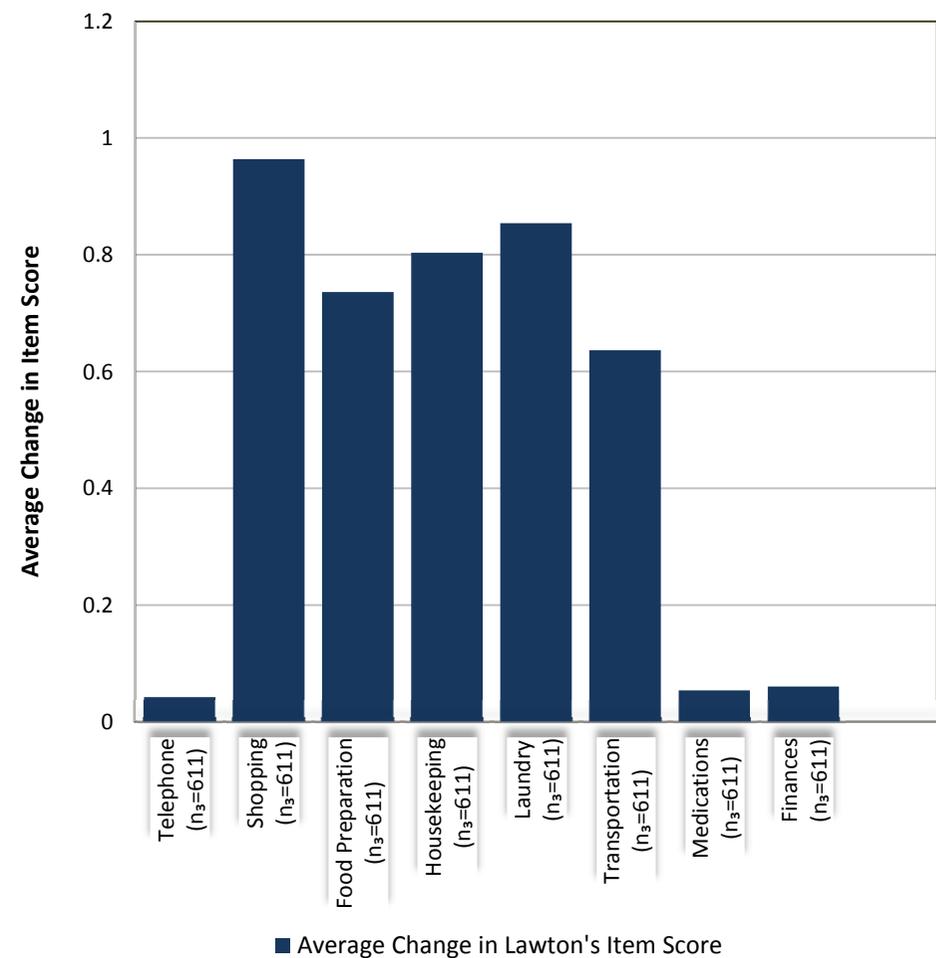


Change in Lawton's item scores - Orthopaedic fractures

Your Service 2016(n₁)

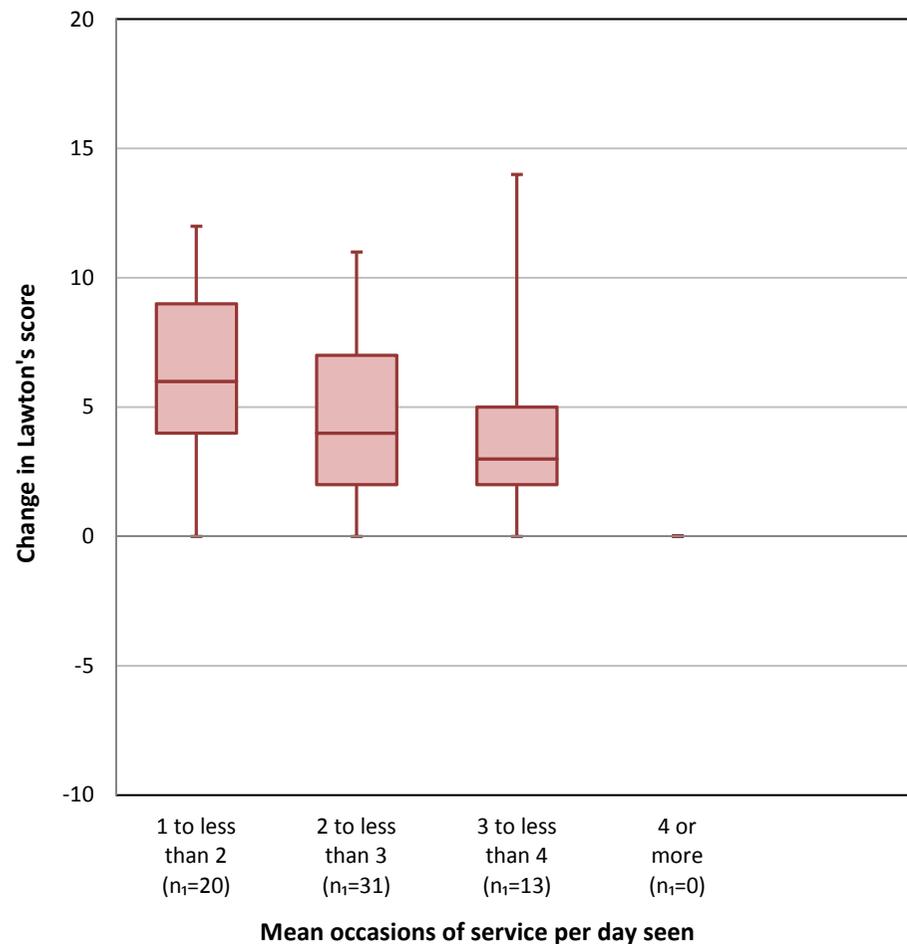


All Submitting Services 2016(n₃)

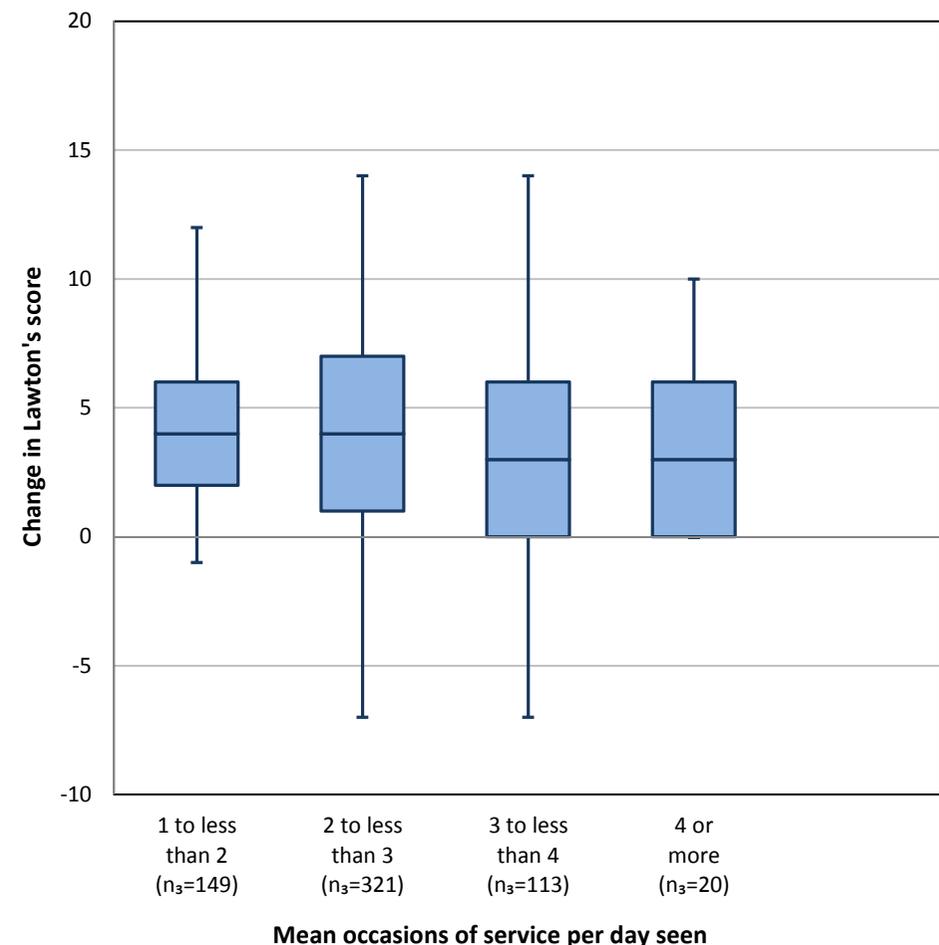


Lawton's score change by OOS/day seen - Orthopaedic fractures

Your Service 2016(n_1)

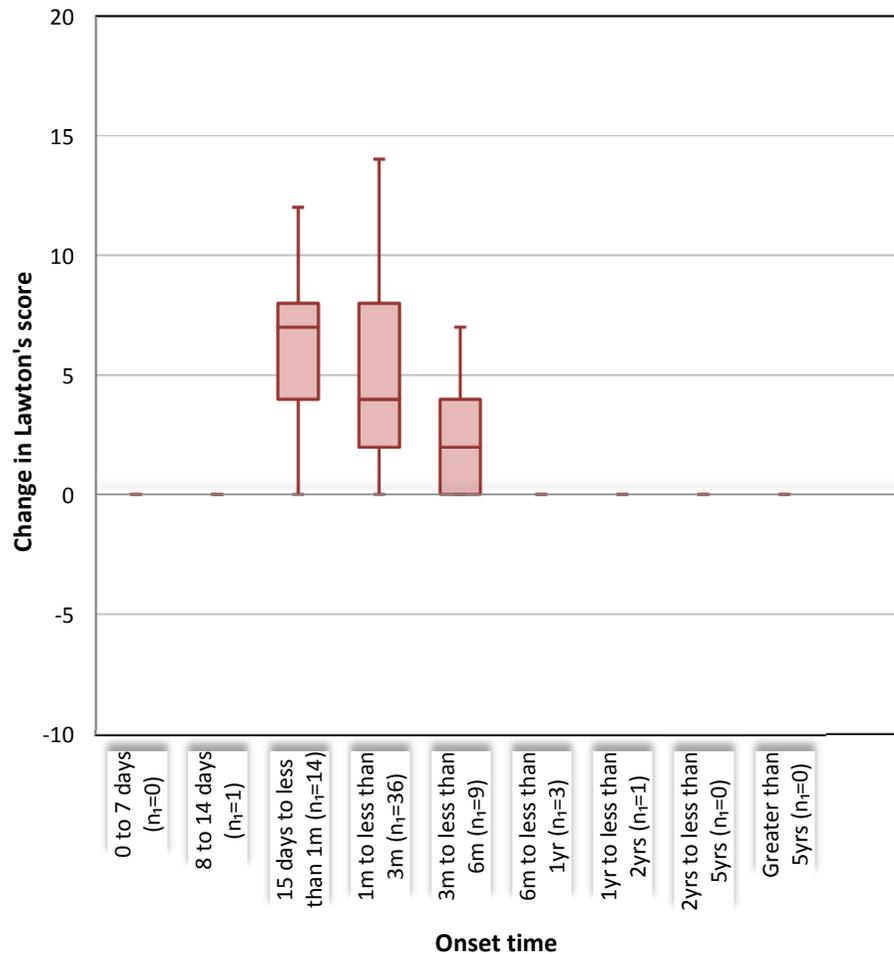


All Submitting Services 2016(n_3)

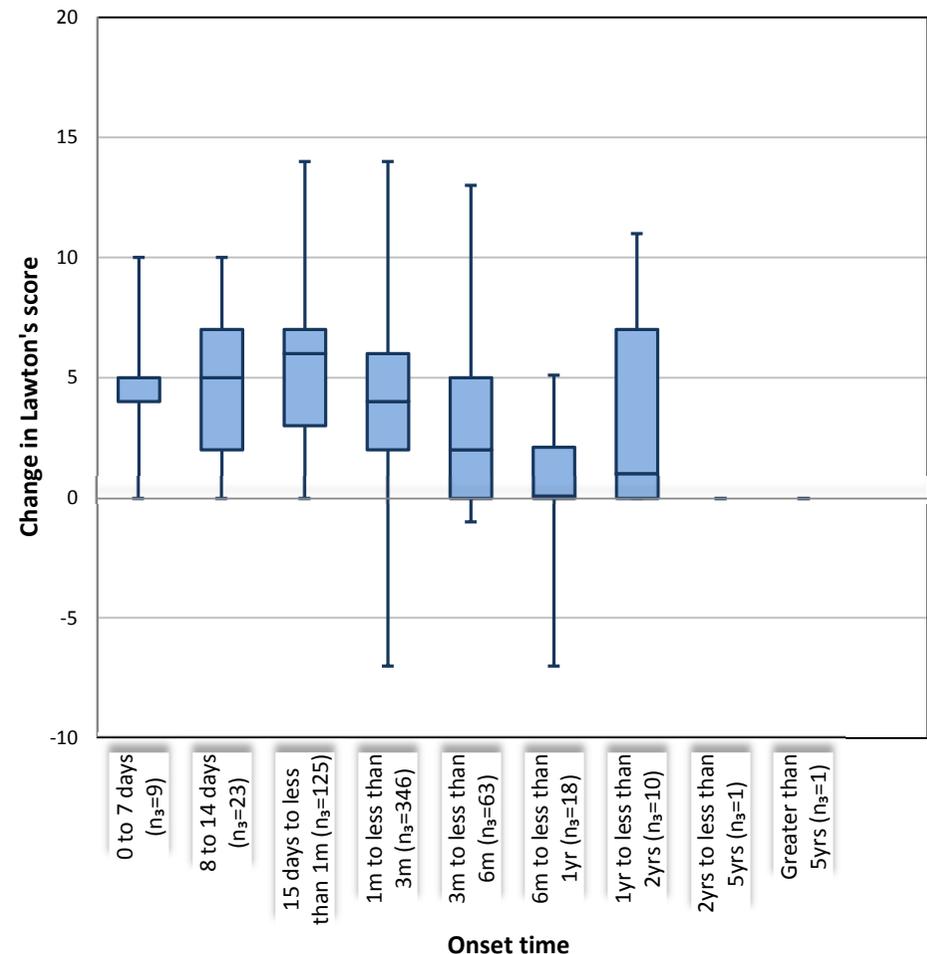


Lawton's score change by onset time - Orthopaedic fractures

Your Service 2016(n_1)



All Submitting Services 2016(n_3)

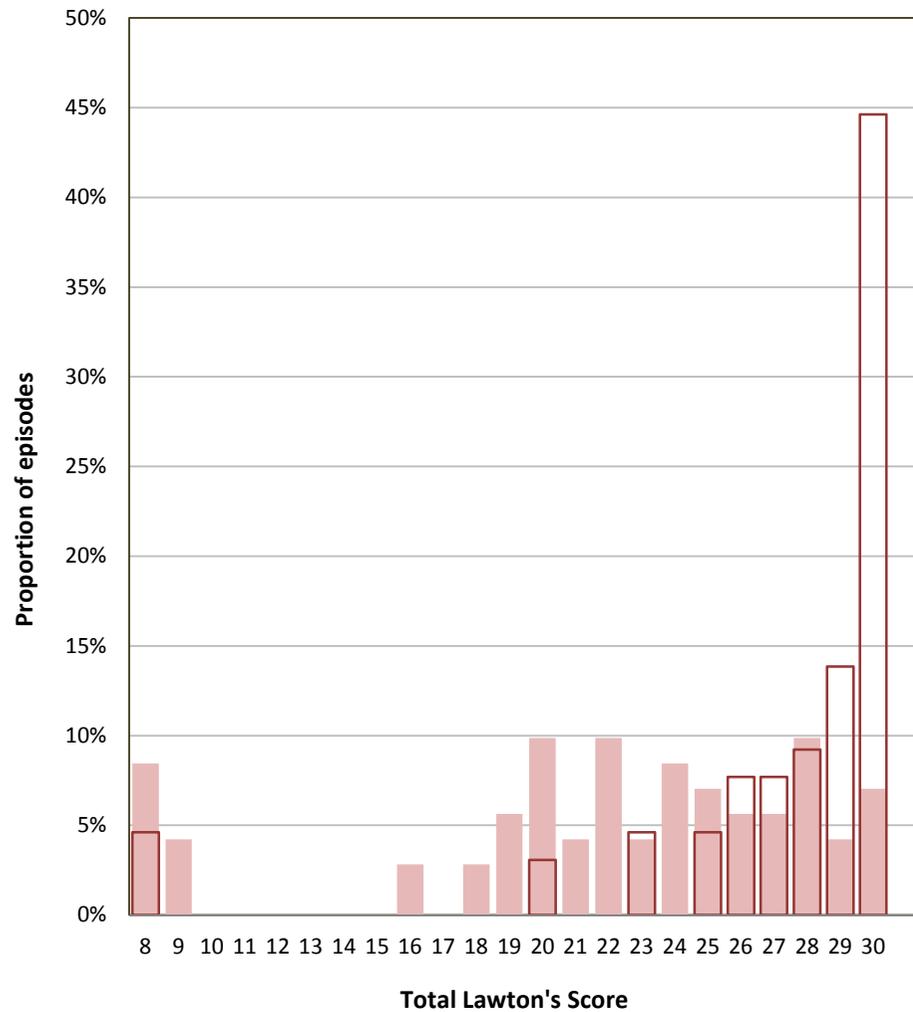




Lawton's score outcomes - Orthopaedic other

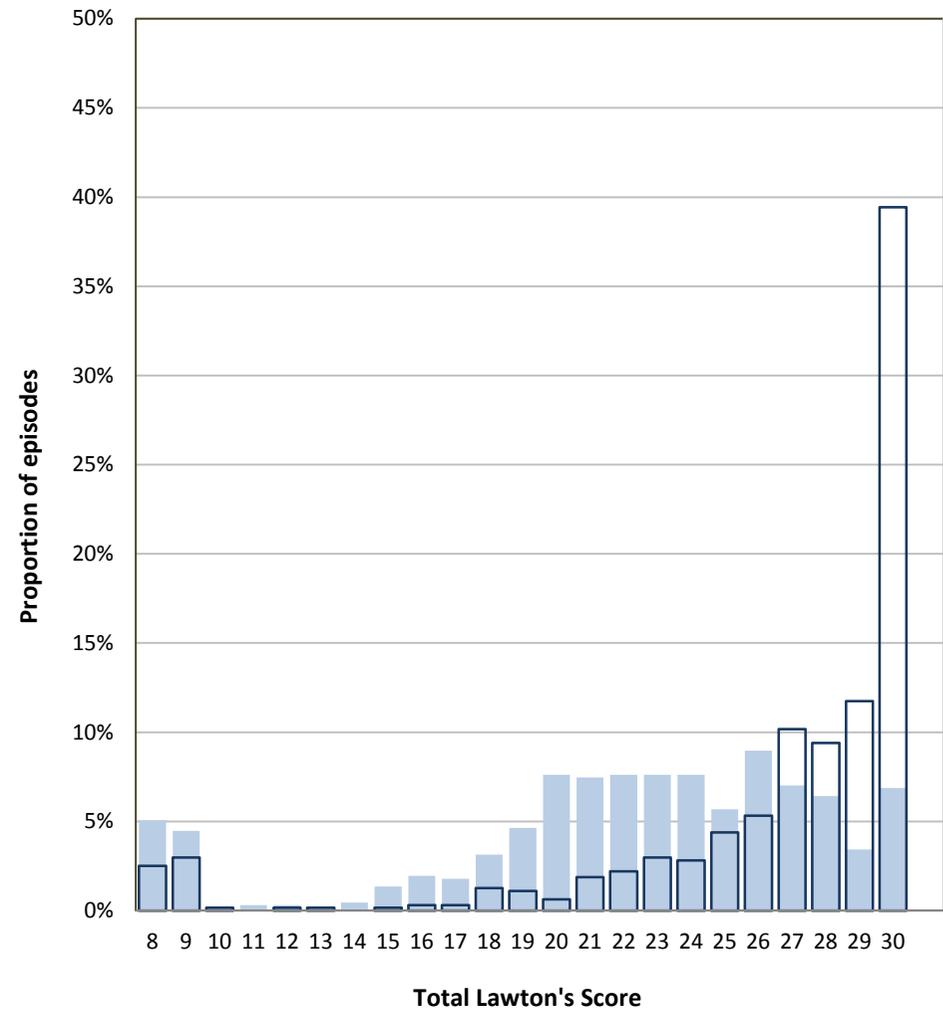
Lawton's start and end total - Orthopaedic other

Your Service 2016



■ Lawton's Start Total (n₁=71) □ Lawton's End Total (n₂=65)

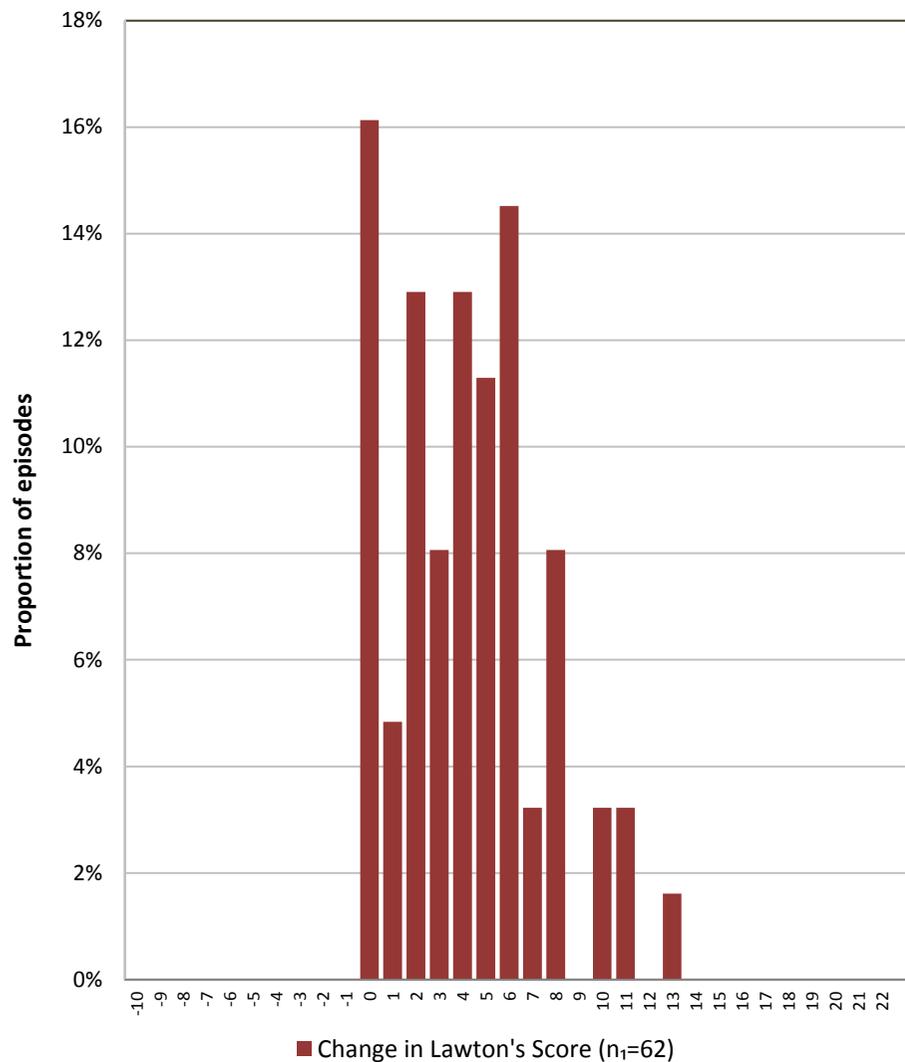
All Submitting Services 2016



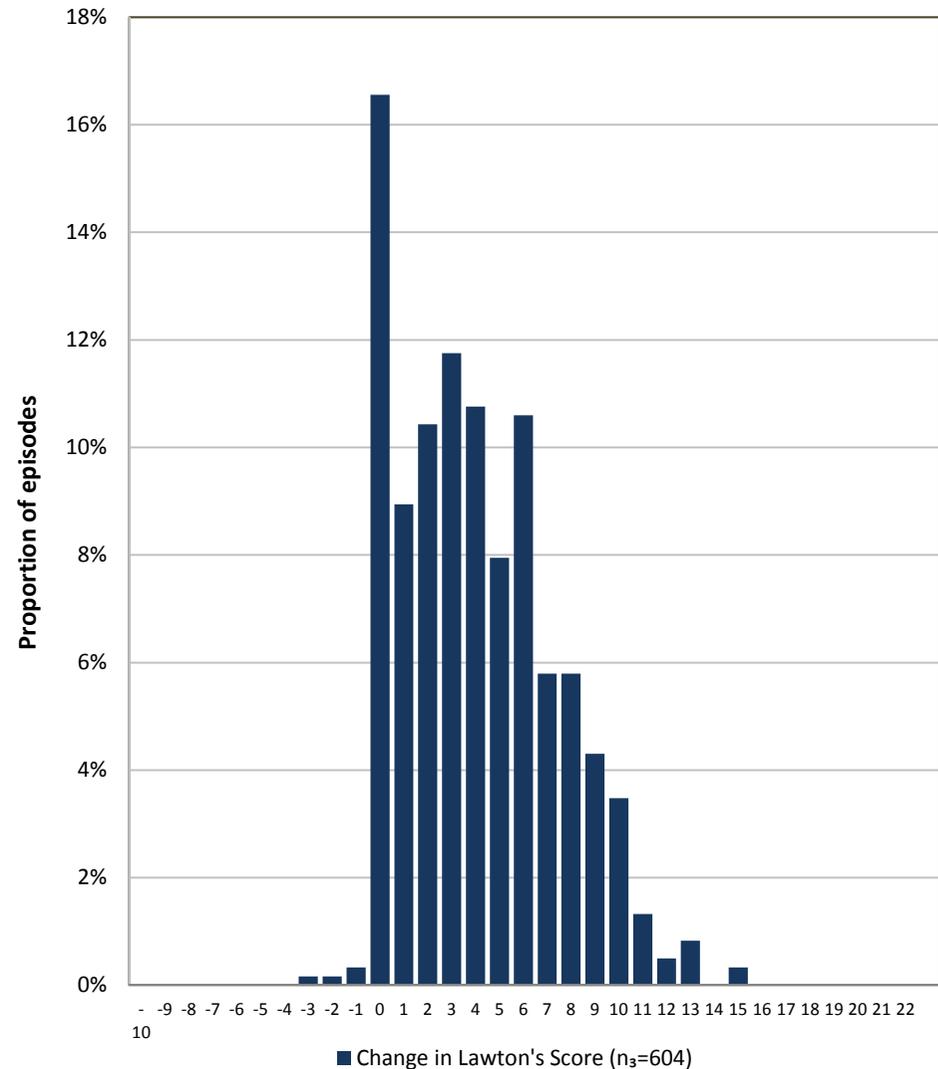
■ Lawton's Start Total (n₁=670) □ Lawton's End Total (n₂=639)

Change in Lawton's score - Orthopaedic other

Your Service 2016(n_1)

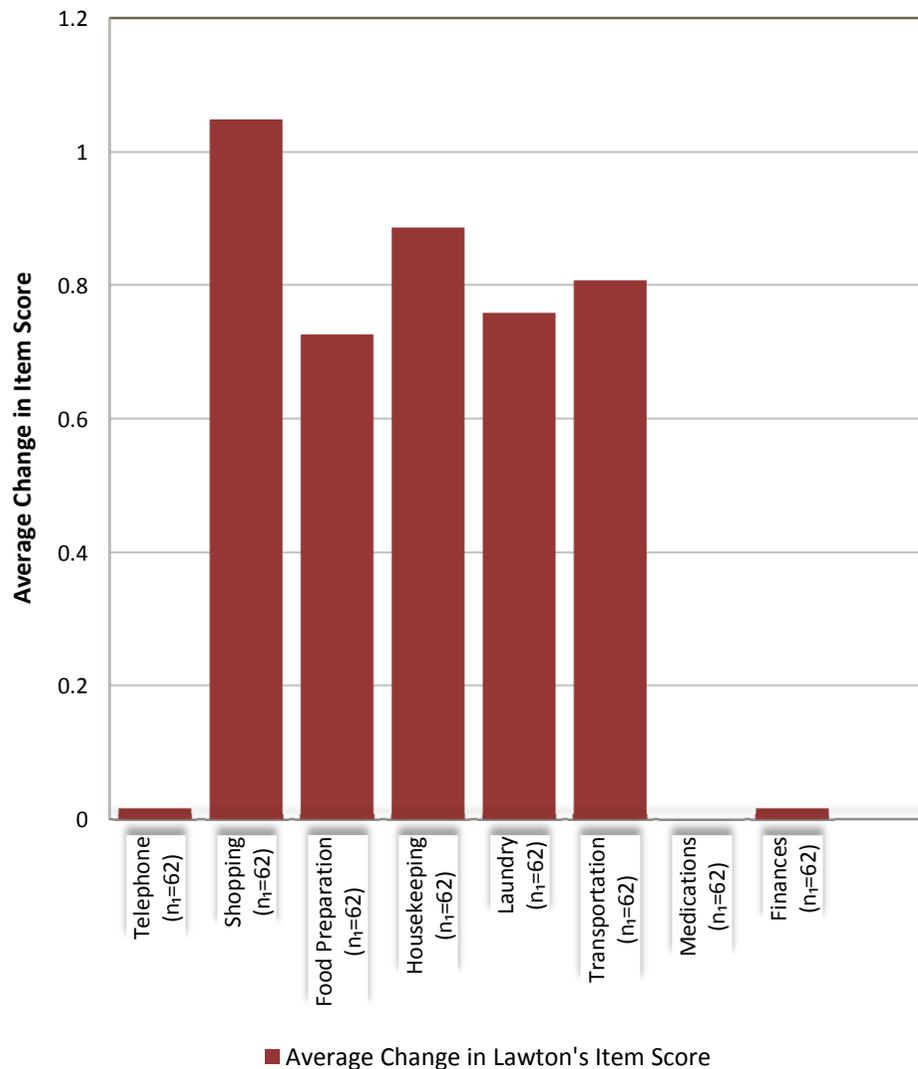


All Submitting Services 2016(n_3)

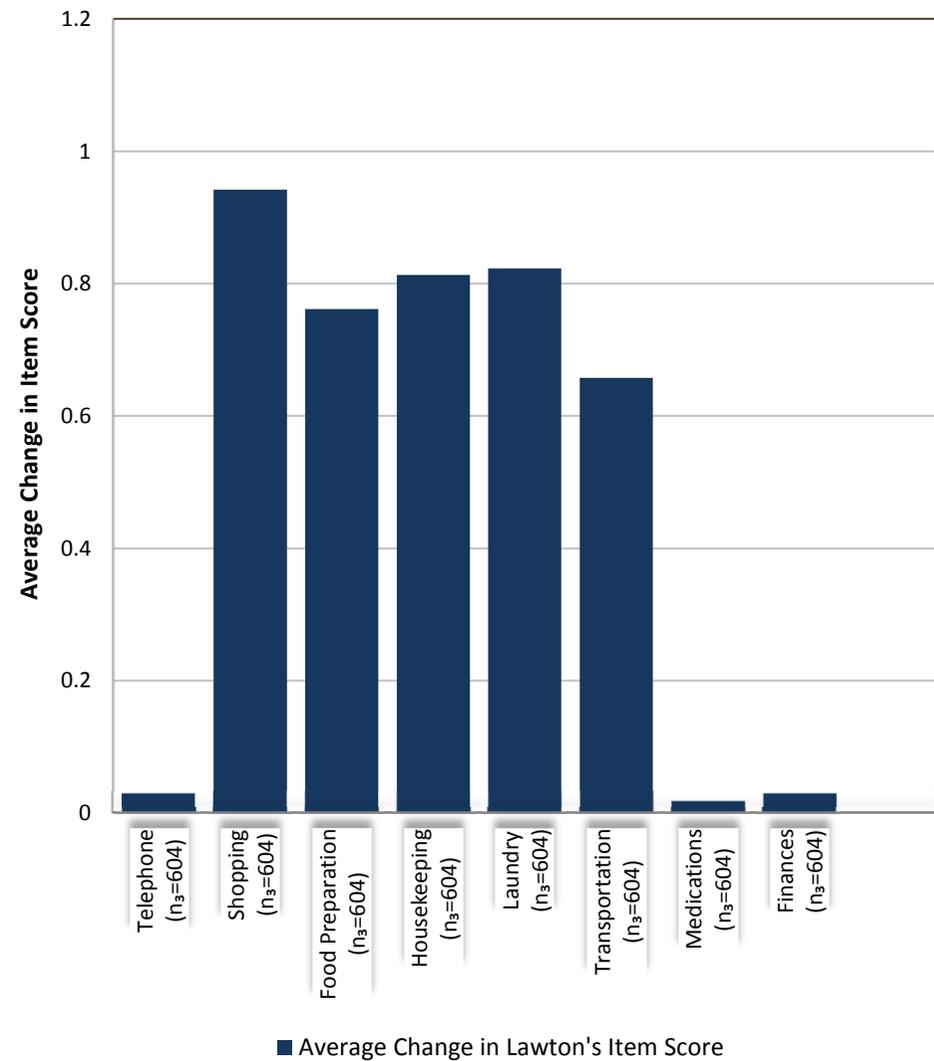


Change in Lawton's item scores - Orthopaedic other

Your Service 2016(n₁)

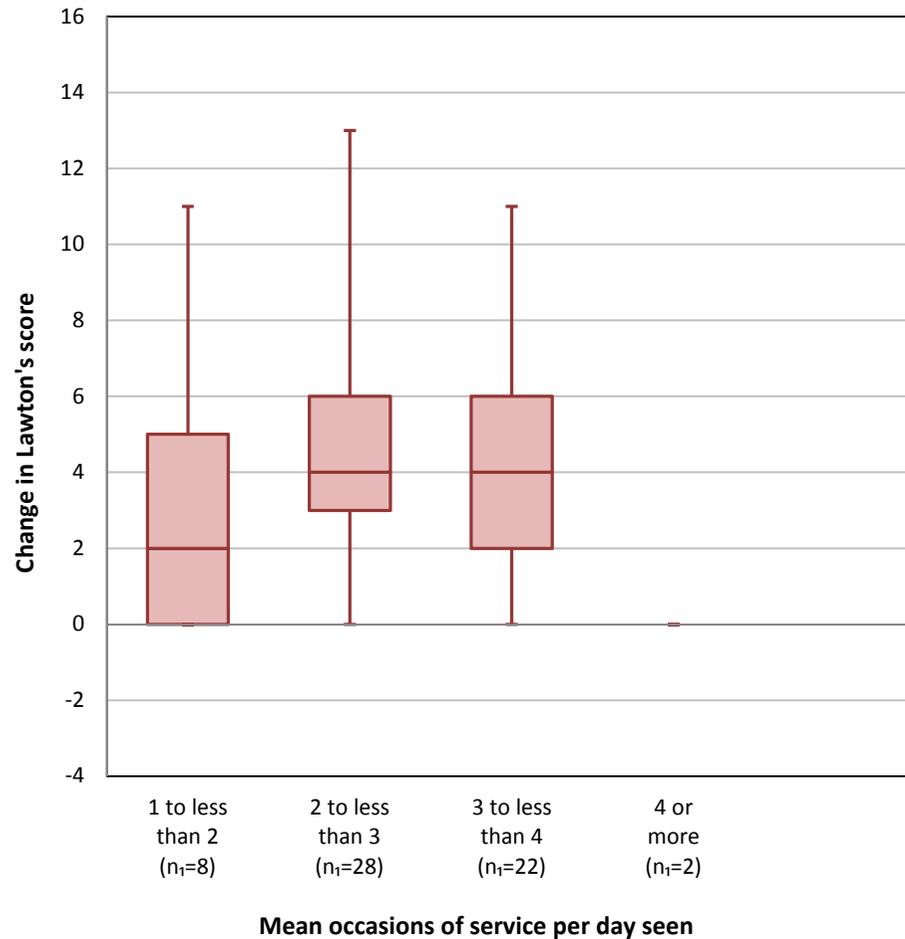


All Submitting Services 2016(n₃)

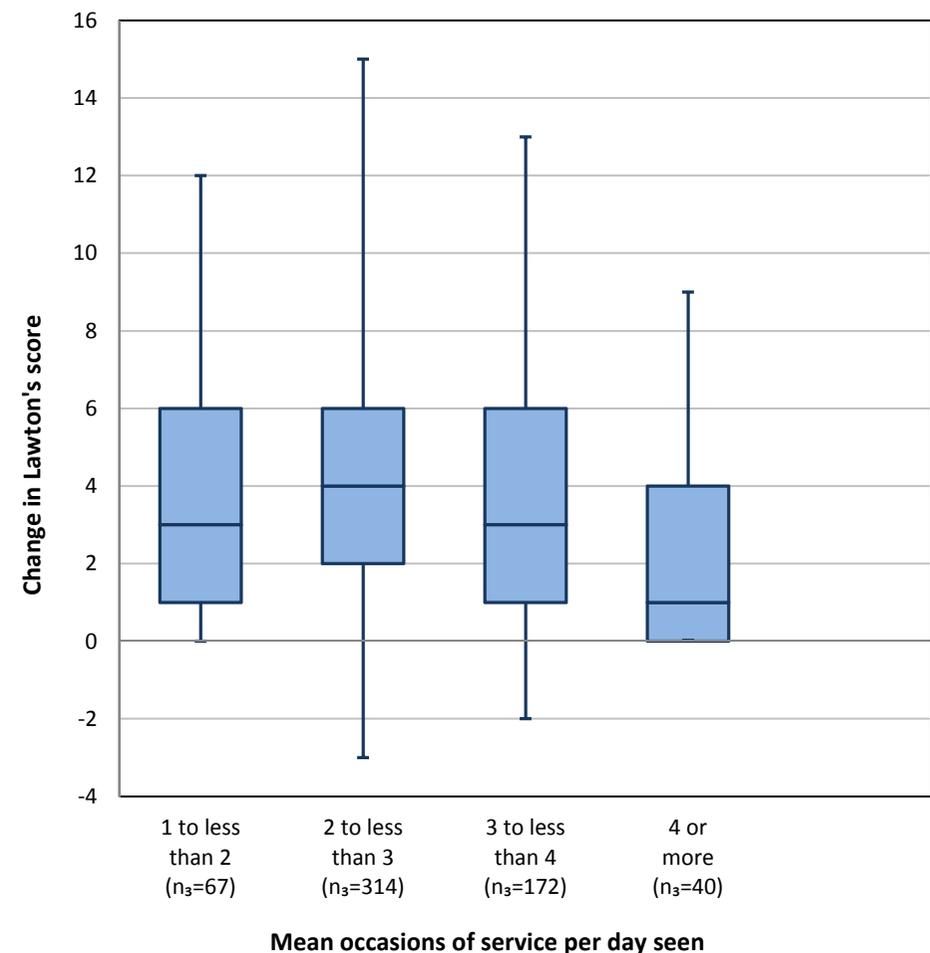


Lawton's score change by OOS/day seen - Orthopaedic other

Your Service 2016(n₁)

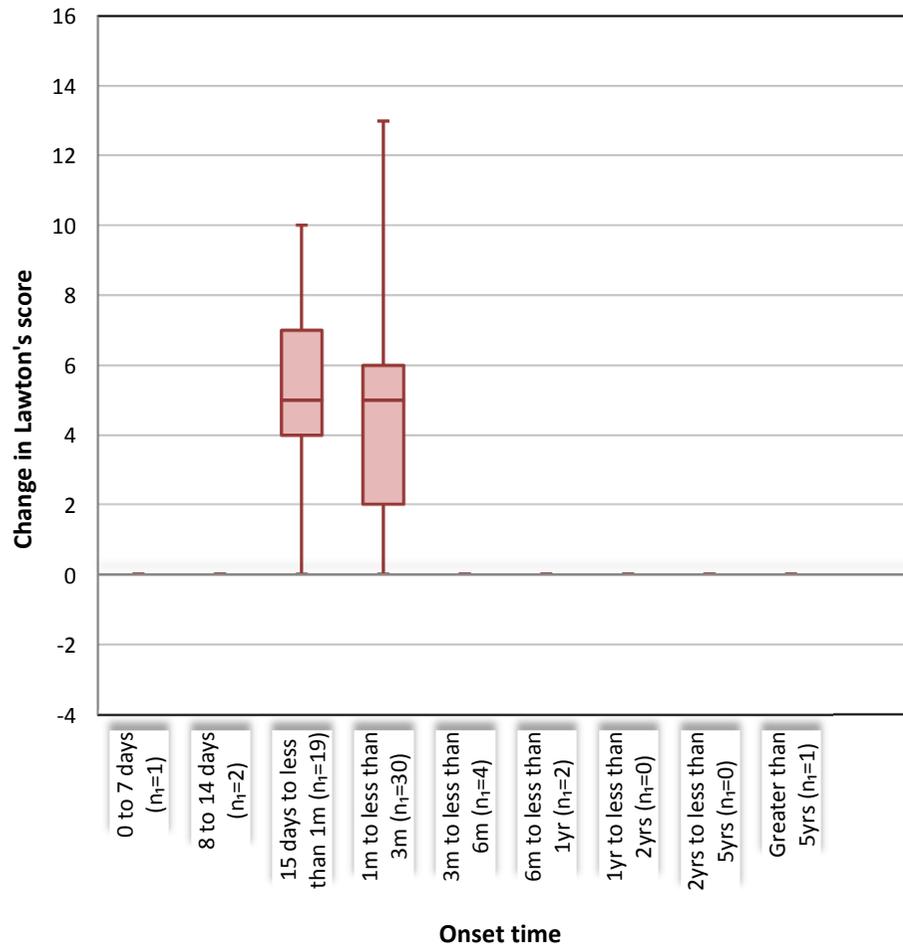


All Submitting Services 2016(n₃)

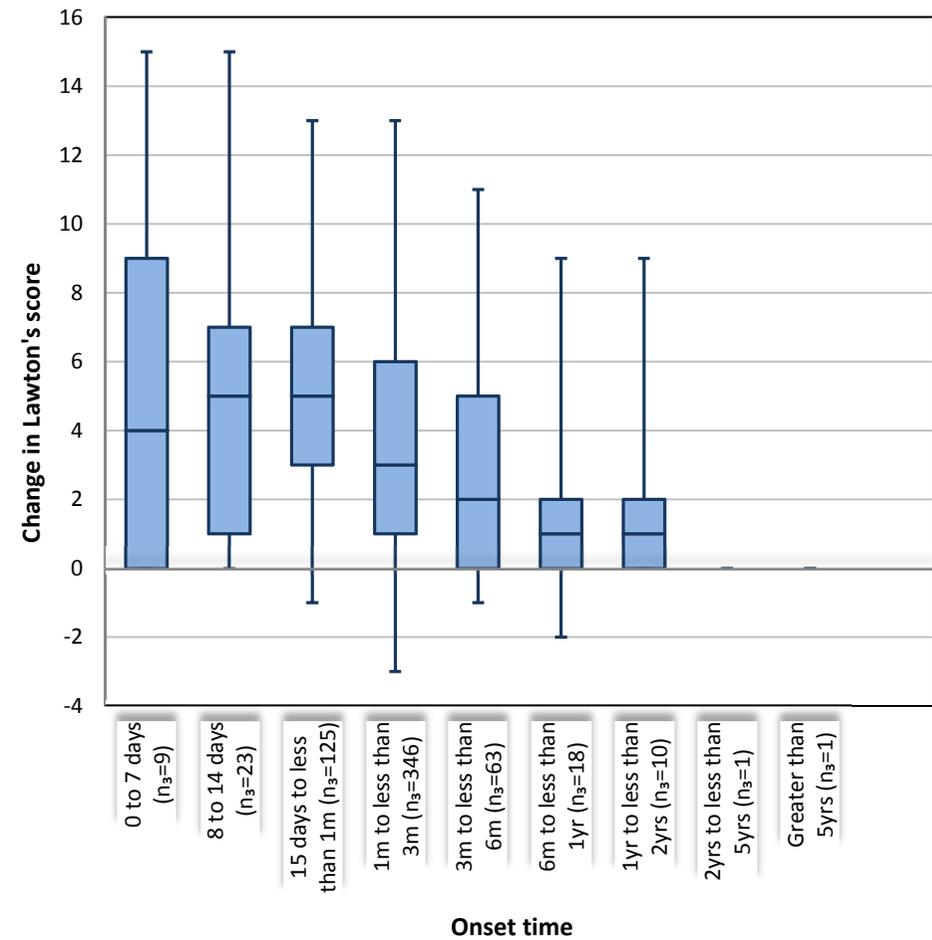


Lawton's score change by onset time - Orthopaedic other

Your Service 2016(n_1)



All Submitting Services 2016(n_3)



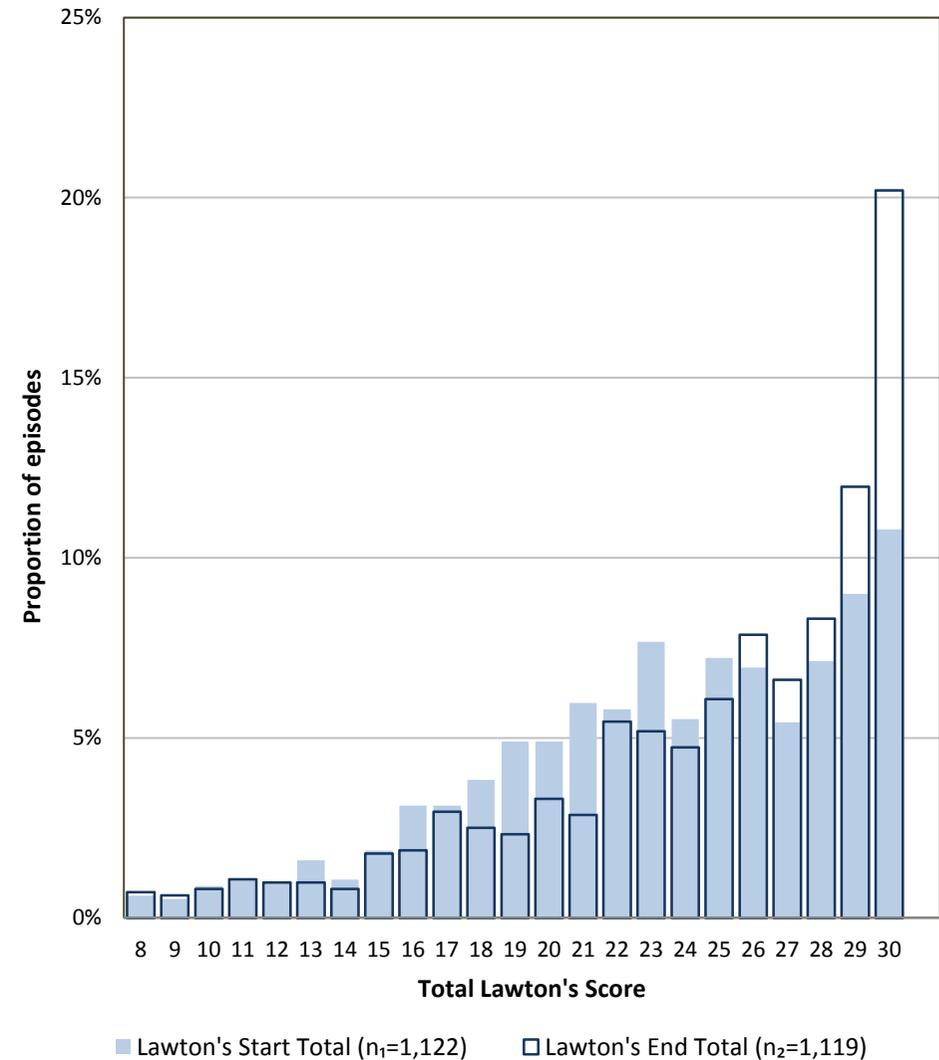
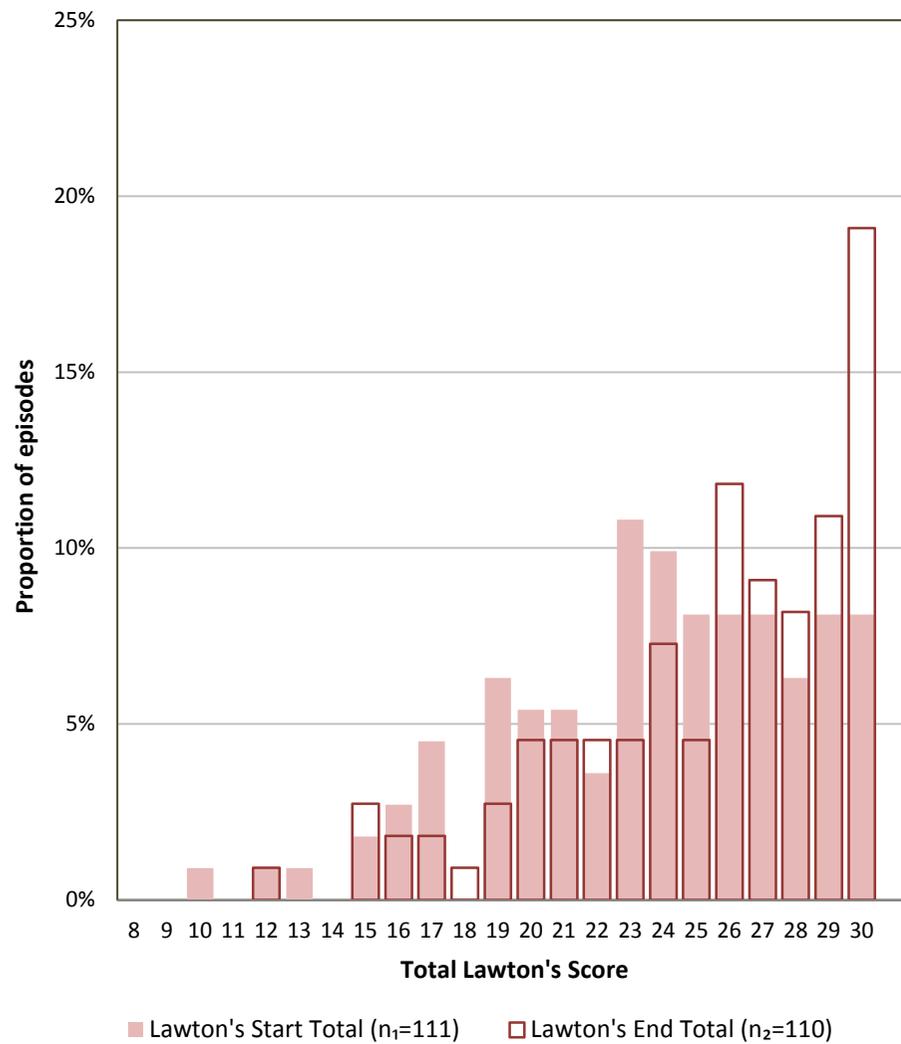


Lawton's score outcomes - Reconditioning

Lawton's start and end total - Reconditioning

Your Service 2016

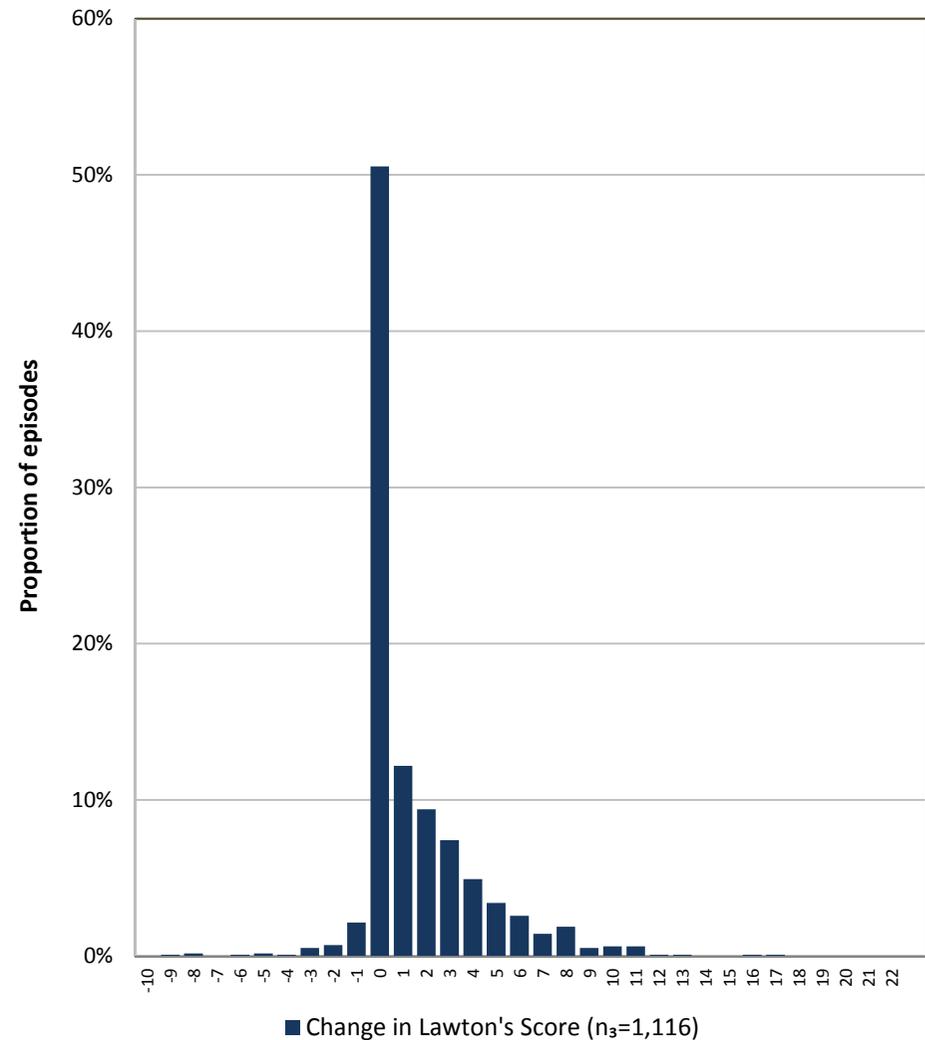
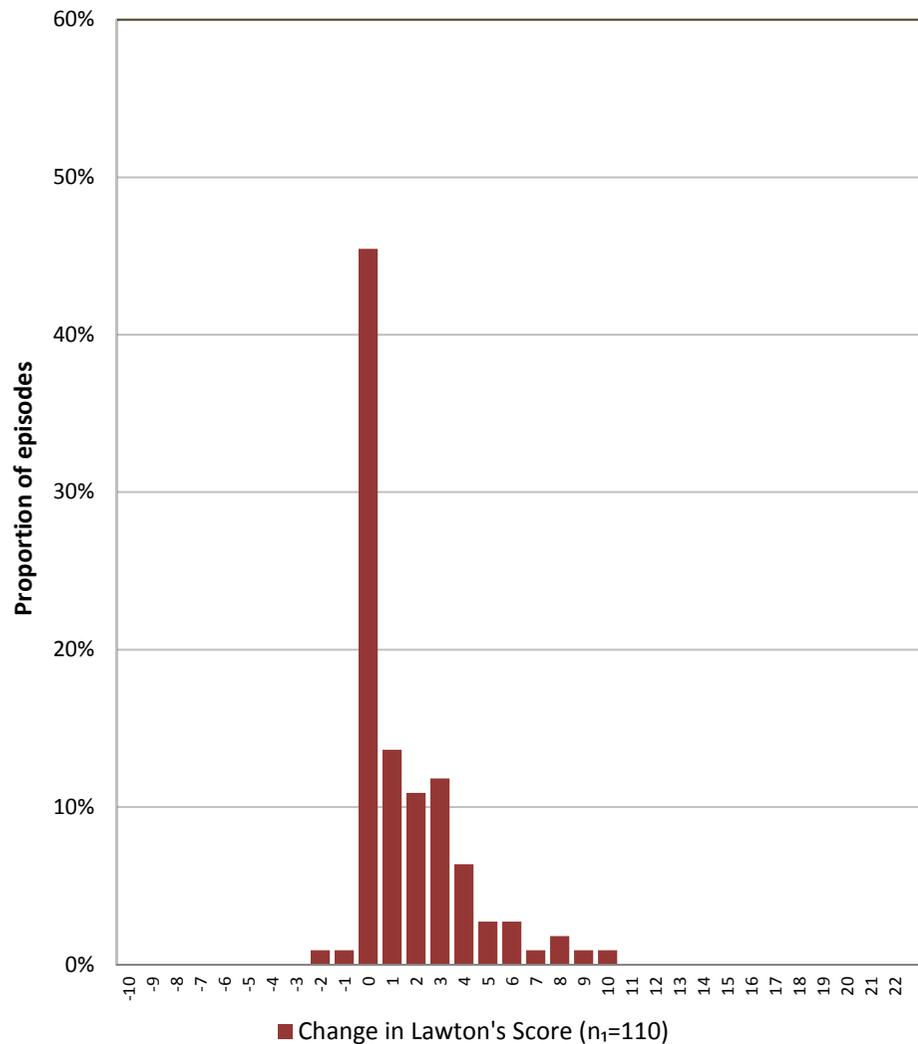
All Submitting Services 2016



Change in Lawton's score - Reconditioning

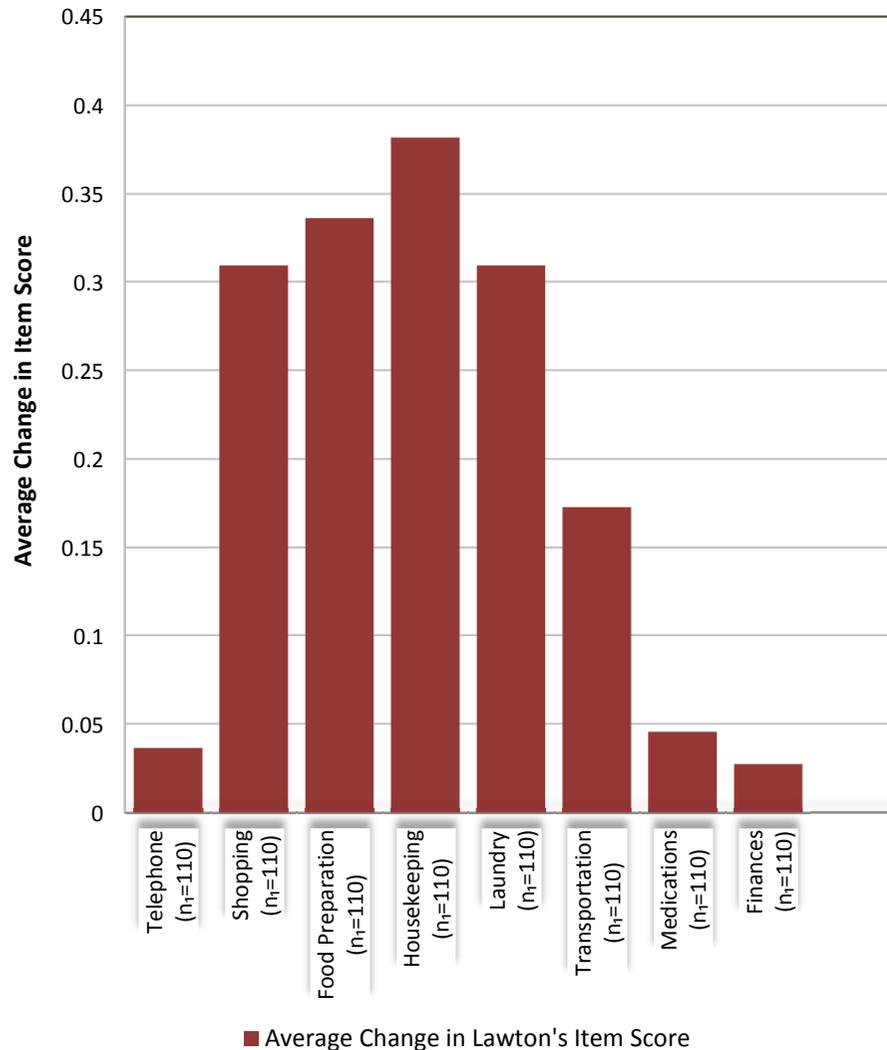
Your Service 2016(n_1)

All Submitting Services 2016(n_3)

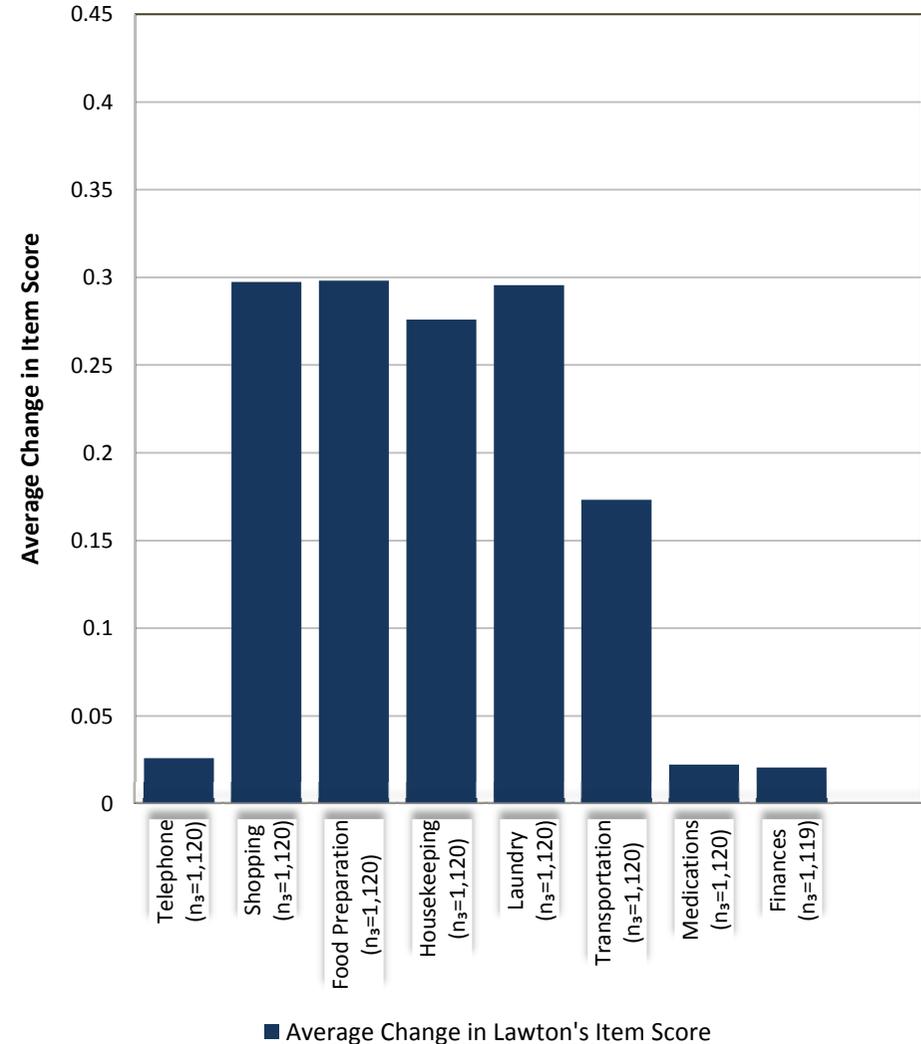


Change in Lawton's item scores - Reconditioning

Your Service 2016(n₁)

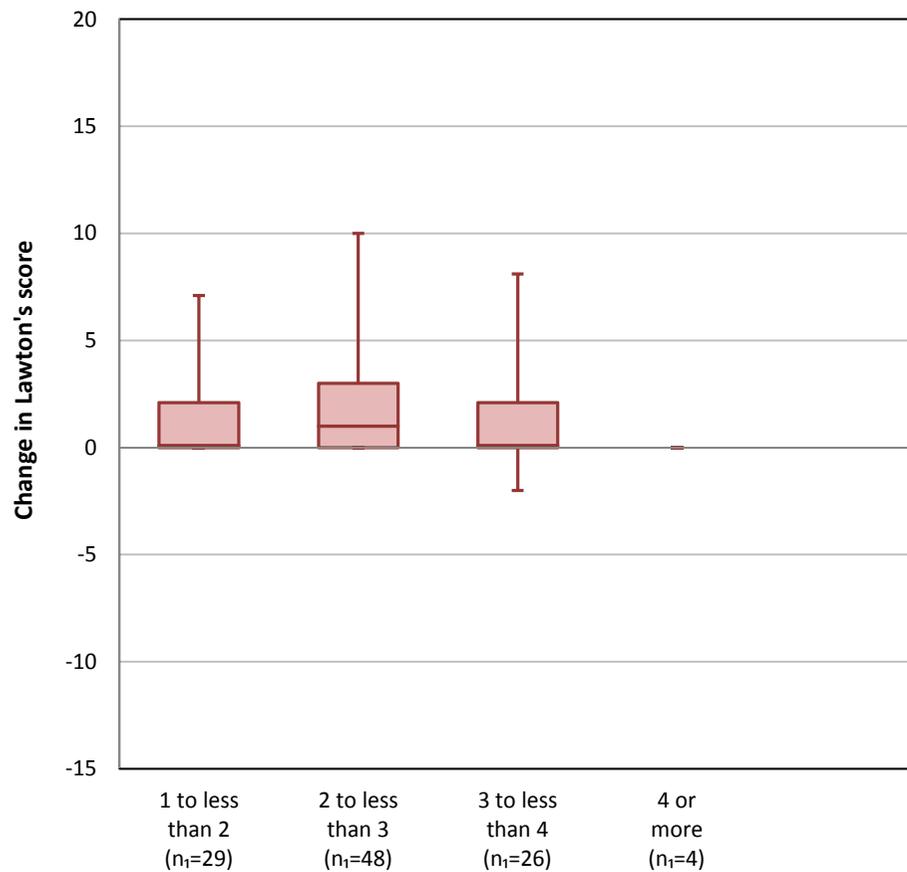


All Submitting Services 2016(n₃)



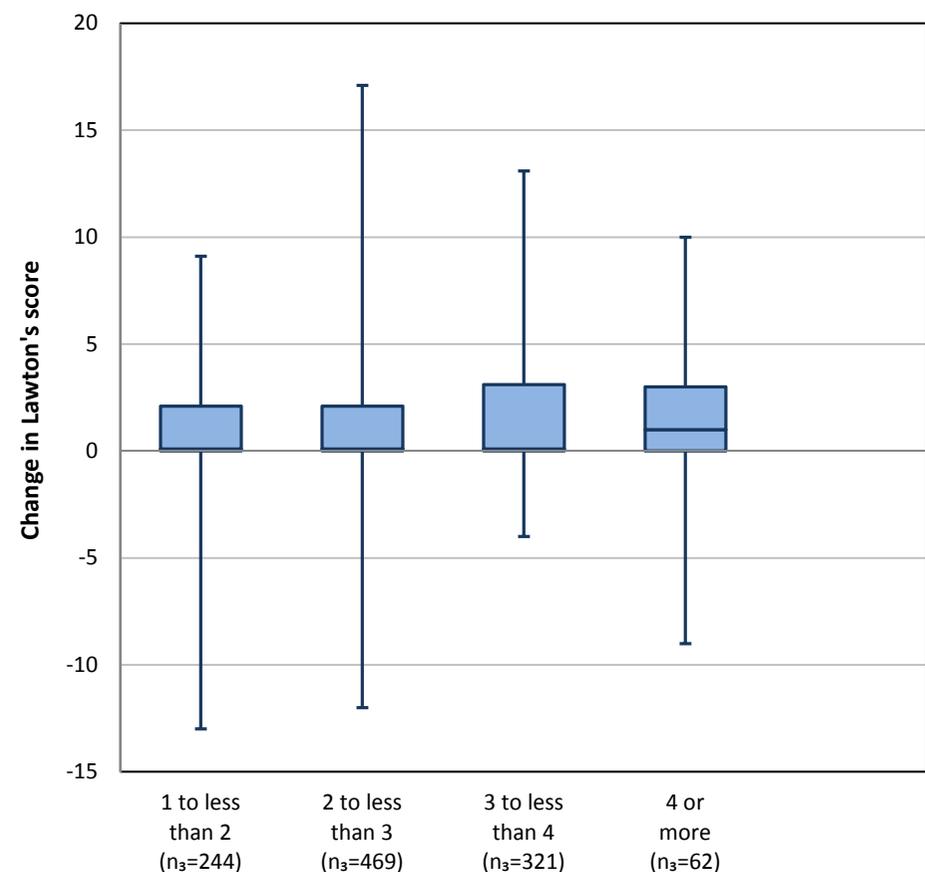
Lawton's score change by OOS/day seen - Reconditioning

Your Service 2016(n_1)



Mean occasions of service per day seen

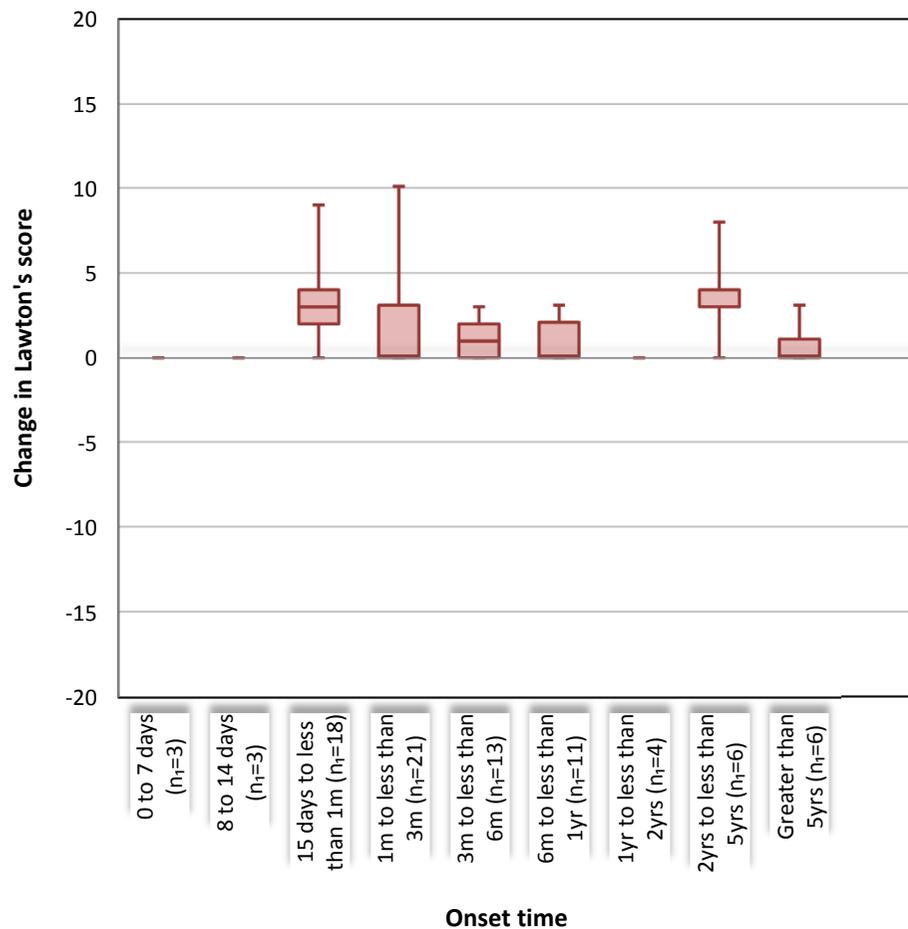
All Submitting Services 2016(n_3)



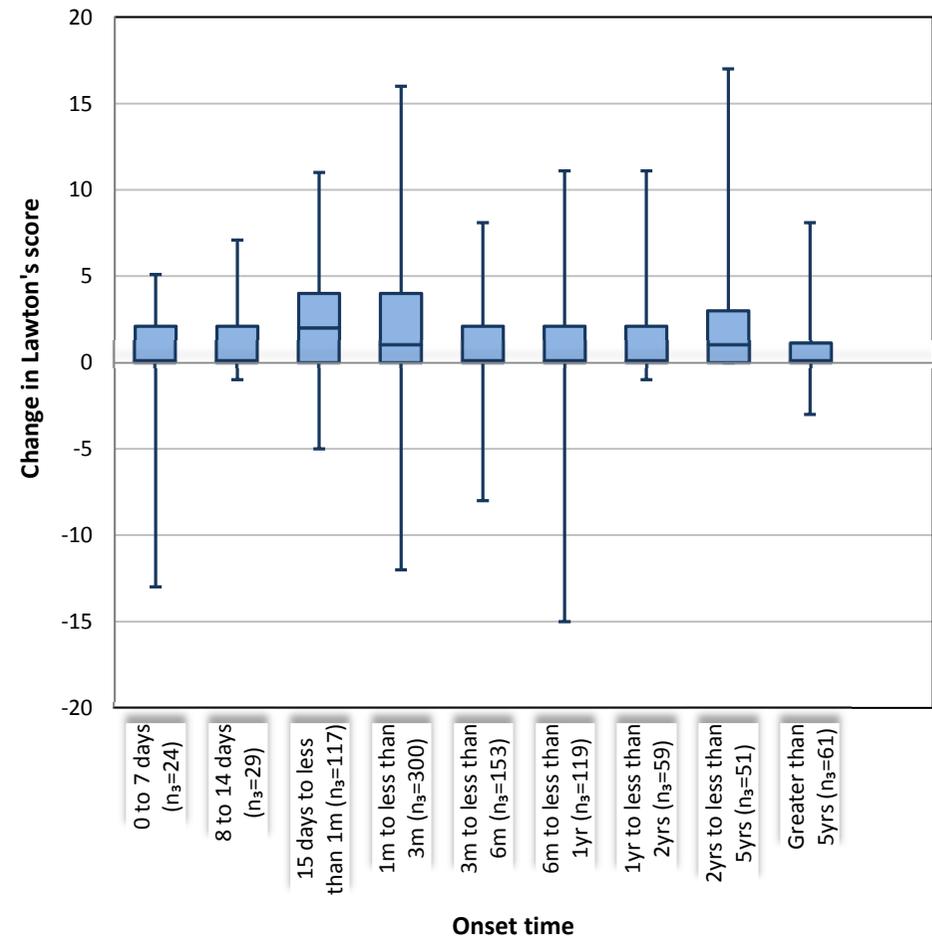
Mean occasions of service per day seen

Lawton's score change by onset time - Reconditioning

Your Service 2016(n_1)



All Submitting Services 2016(n_3)

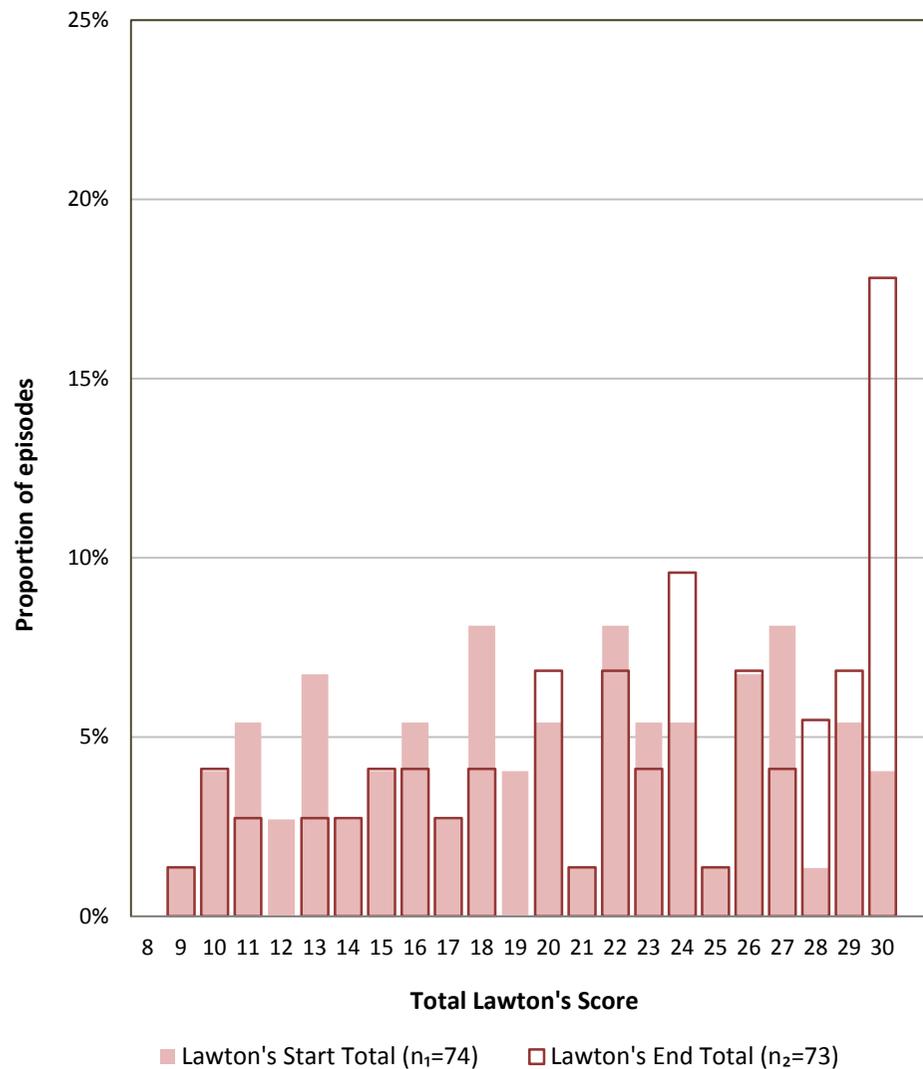




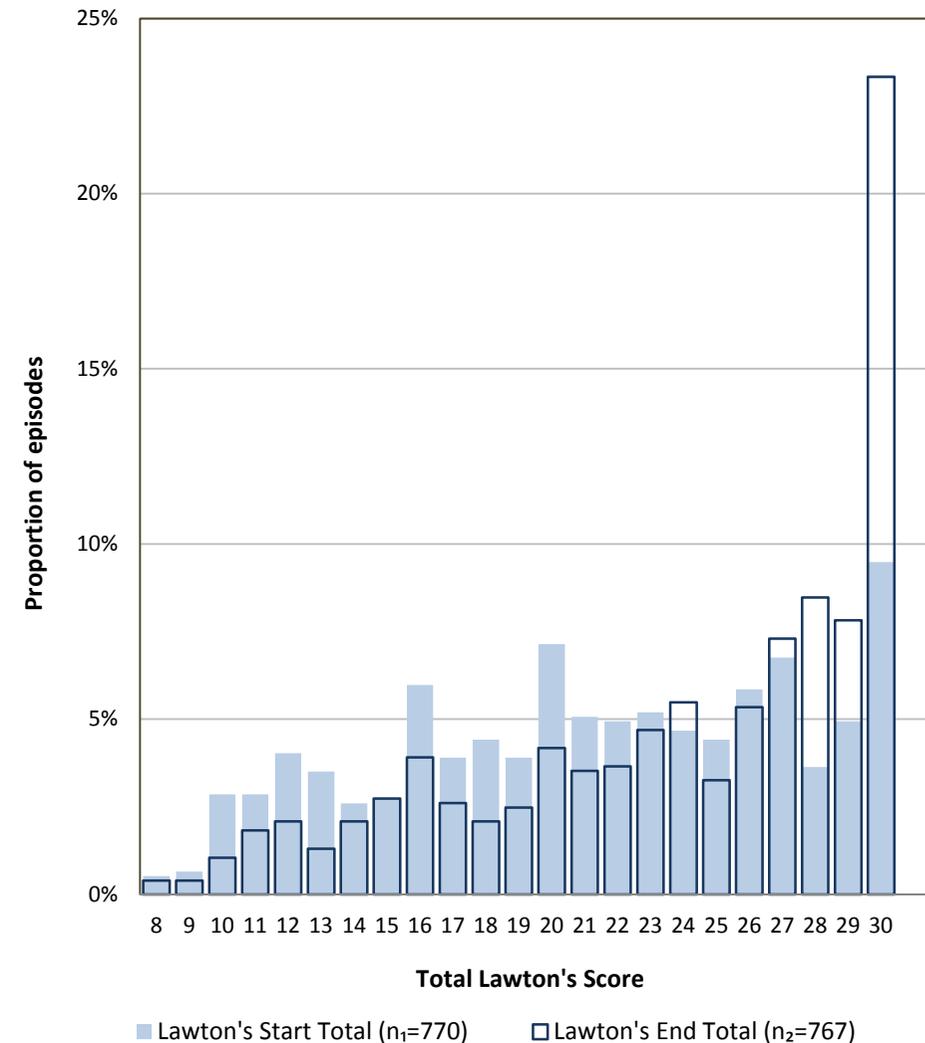
Lawton's score outcomes - Stroke

Lawton's start and end total - Stroke

Your Service 2016

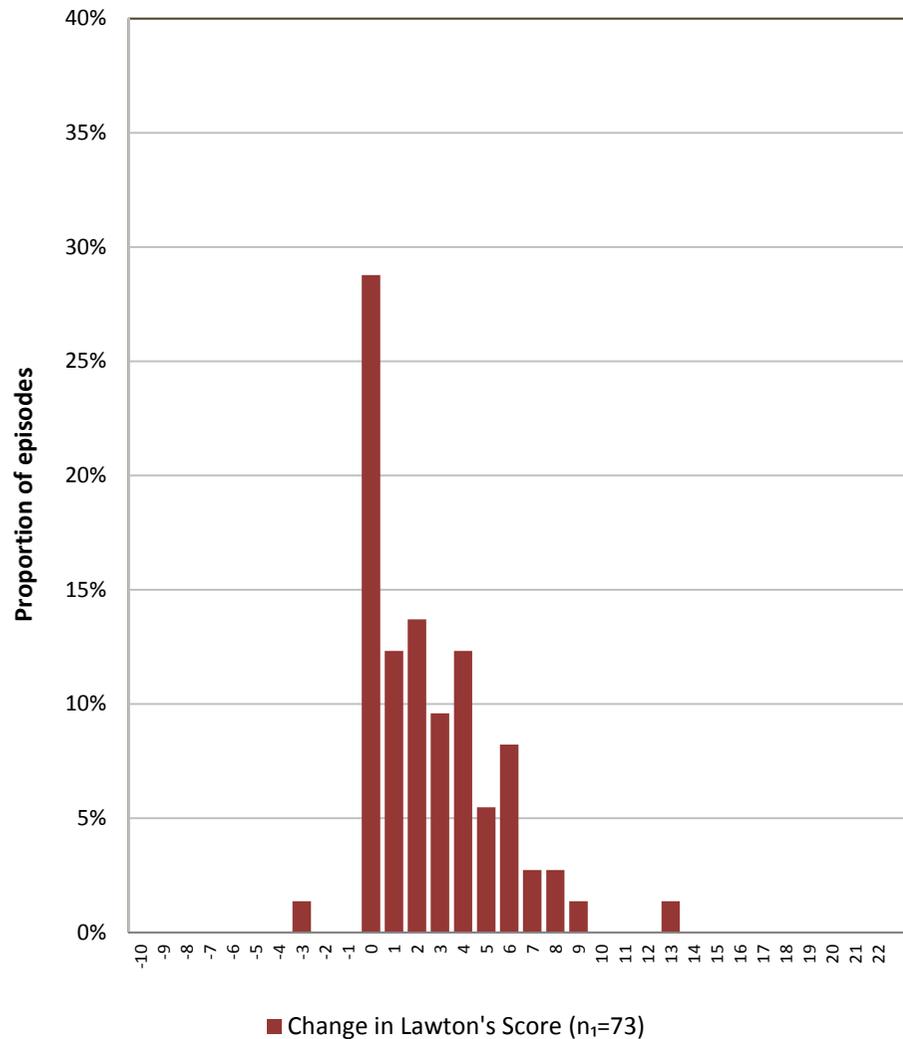


All Submitting Services 2016

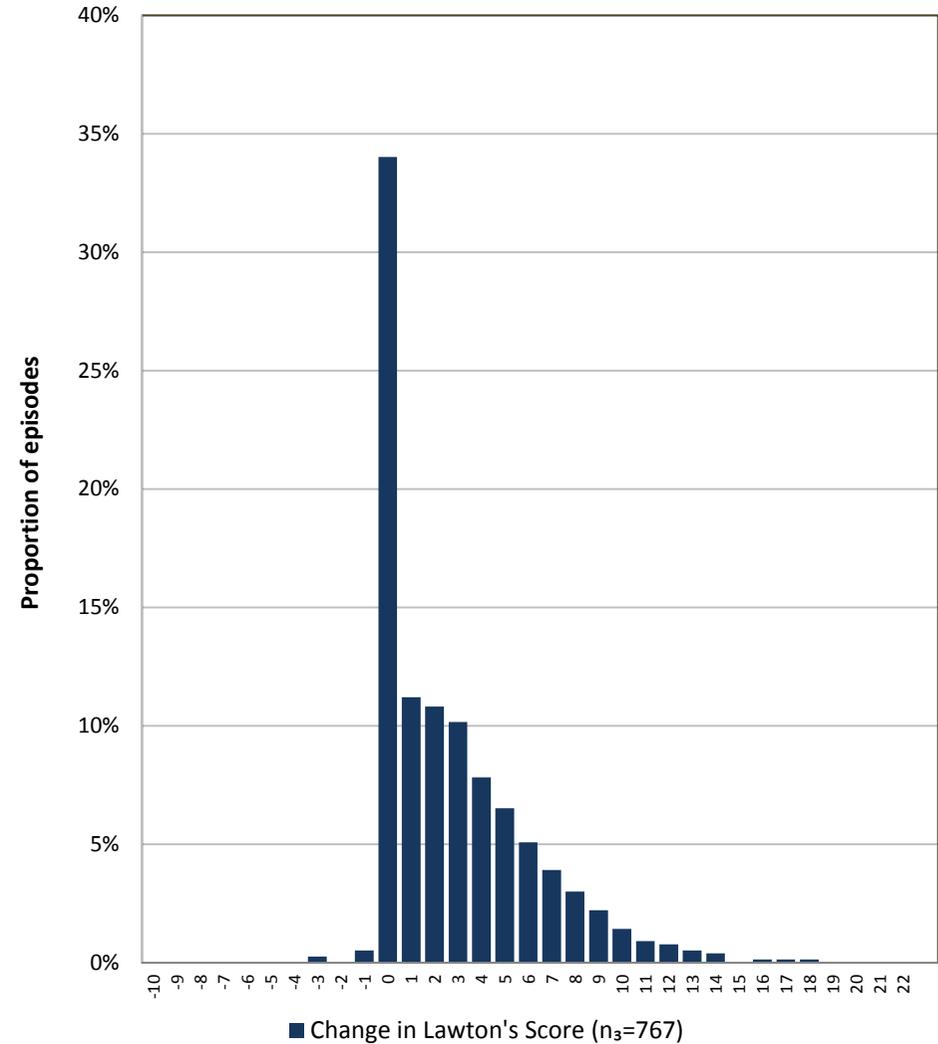


Change in Lawton's score - Stroke

Your Service 2016(n_1)

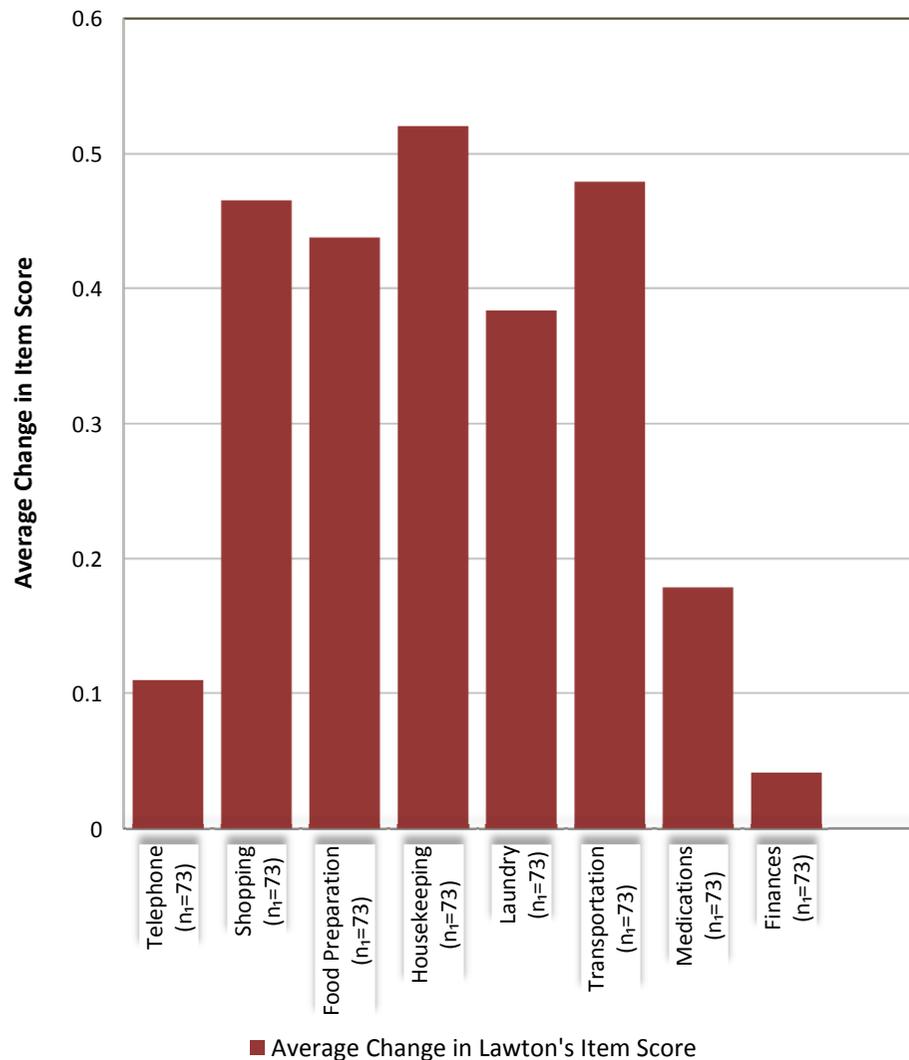


All Submitting Services 2016(n_3)

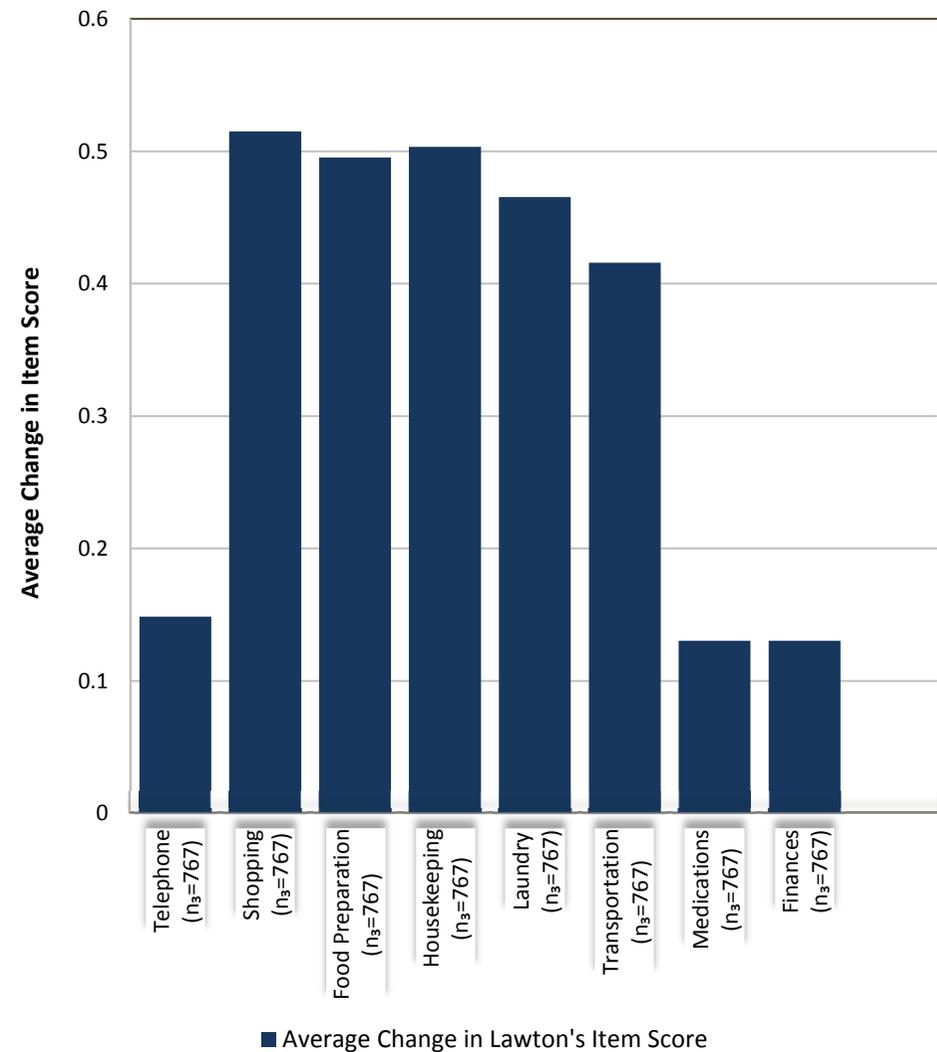


Change in Lawton's item scores - Stroke

Your Service 2016(n₁)



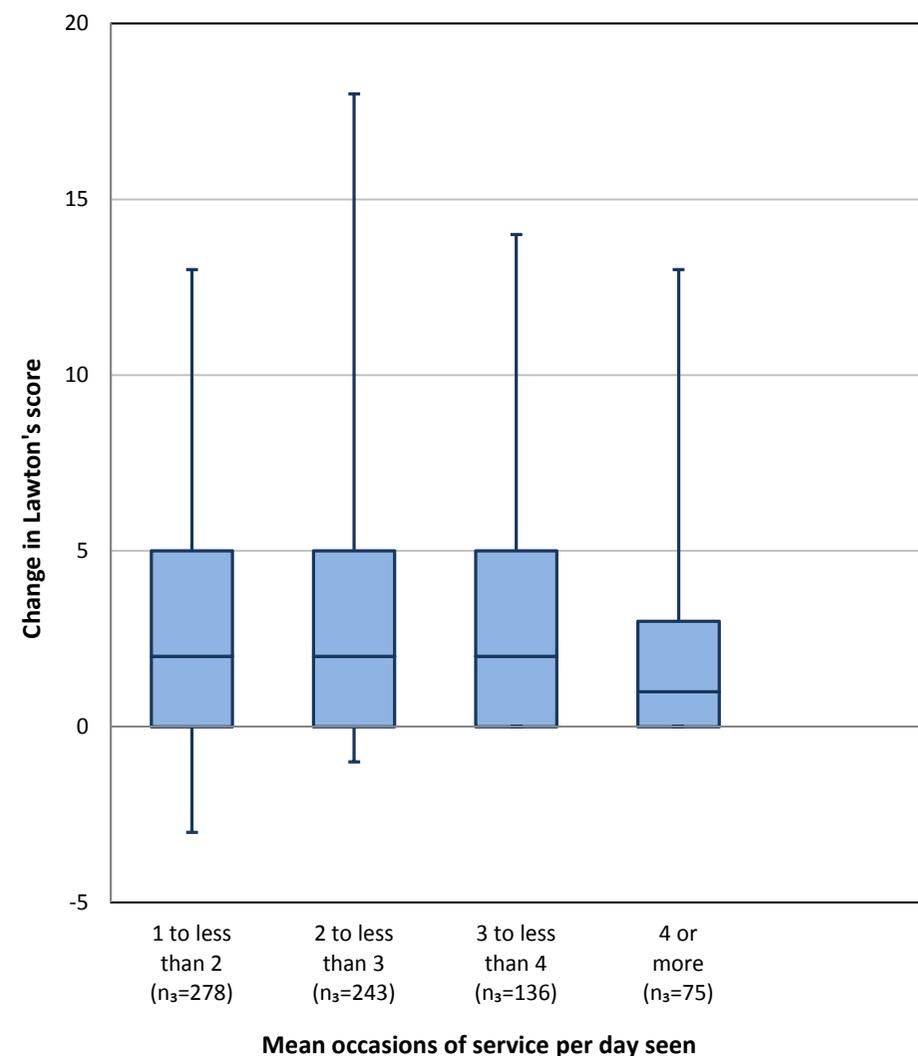
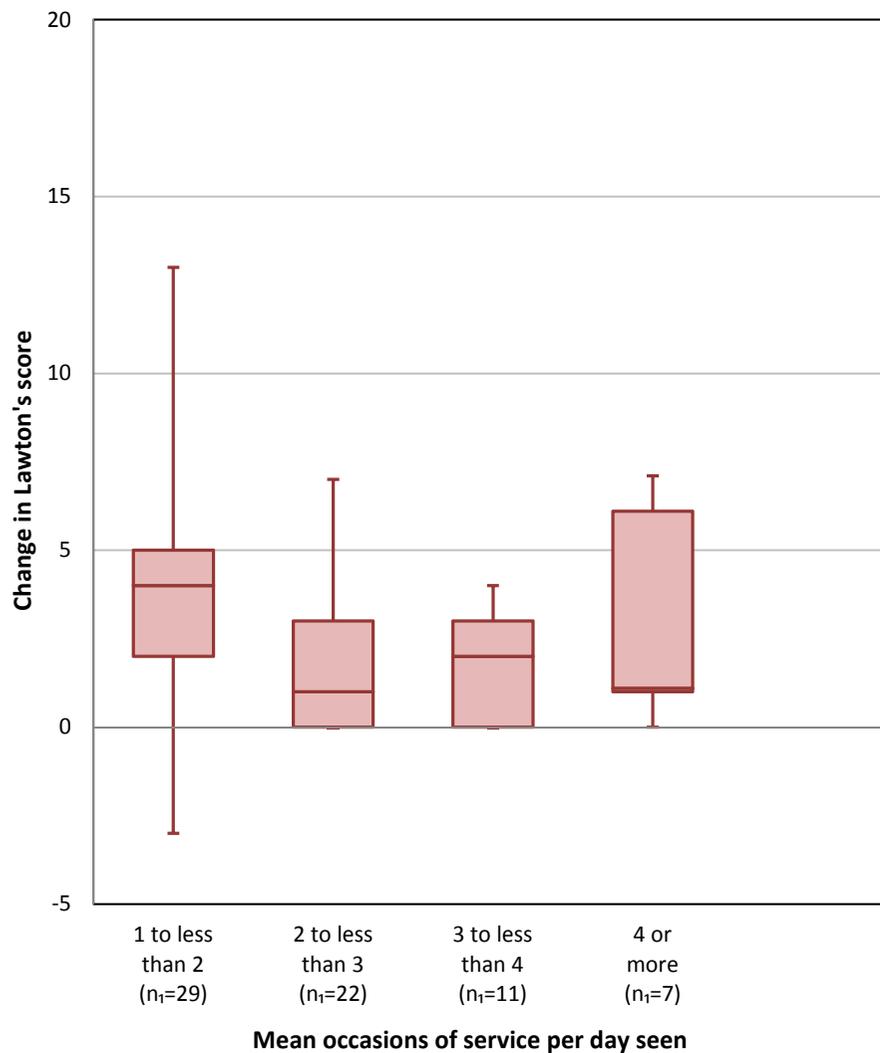
All Submitting Services 2016(n₃)



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

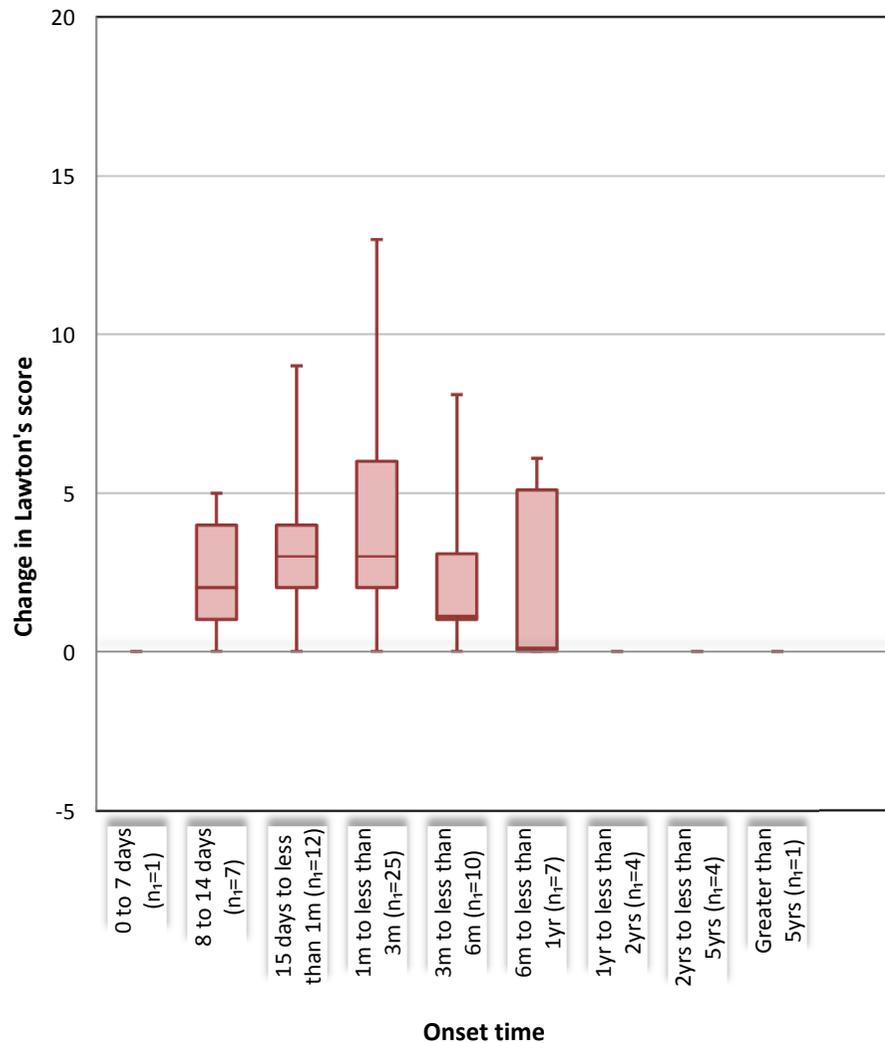
Your Service 2016(n_1)

All Submitting Services 2016(n_3)

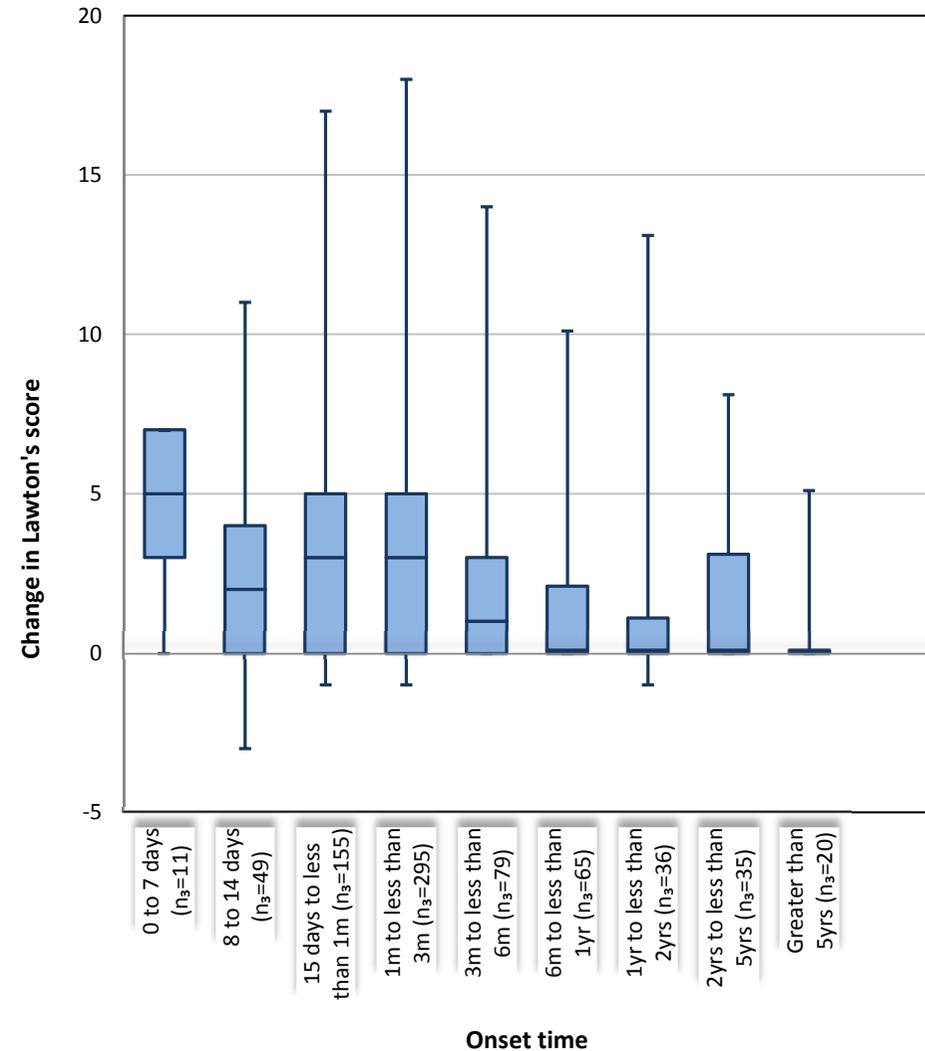


Lawton's score change by onset time - Stroke

Your Service 2016(n_1)



All Submitting Services 2016(n_3)



Appendices

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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

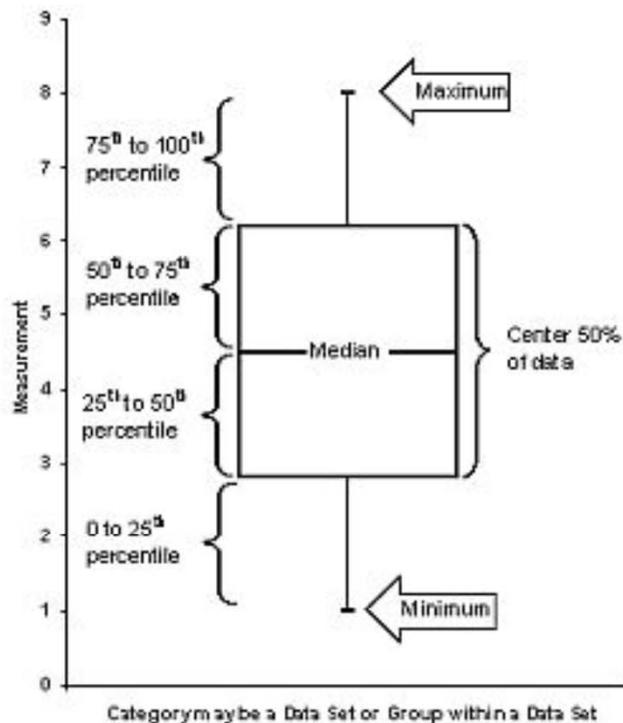
Lawton's change

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

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