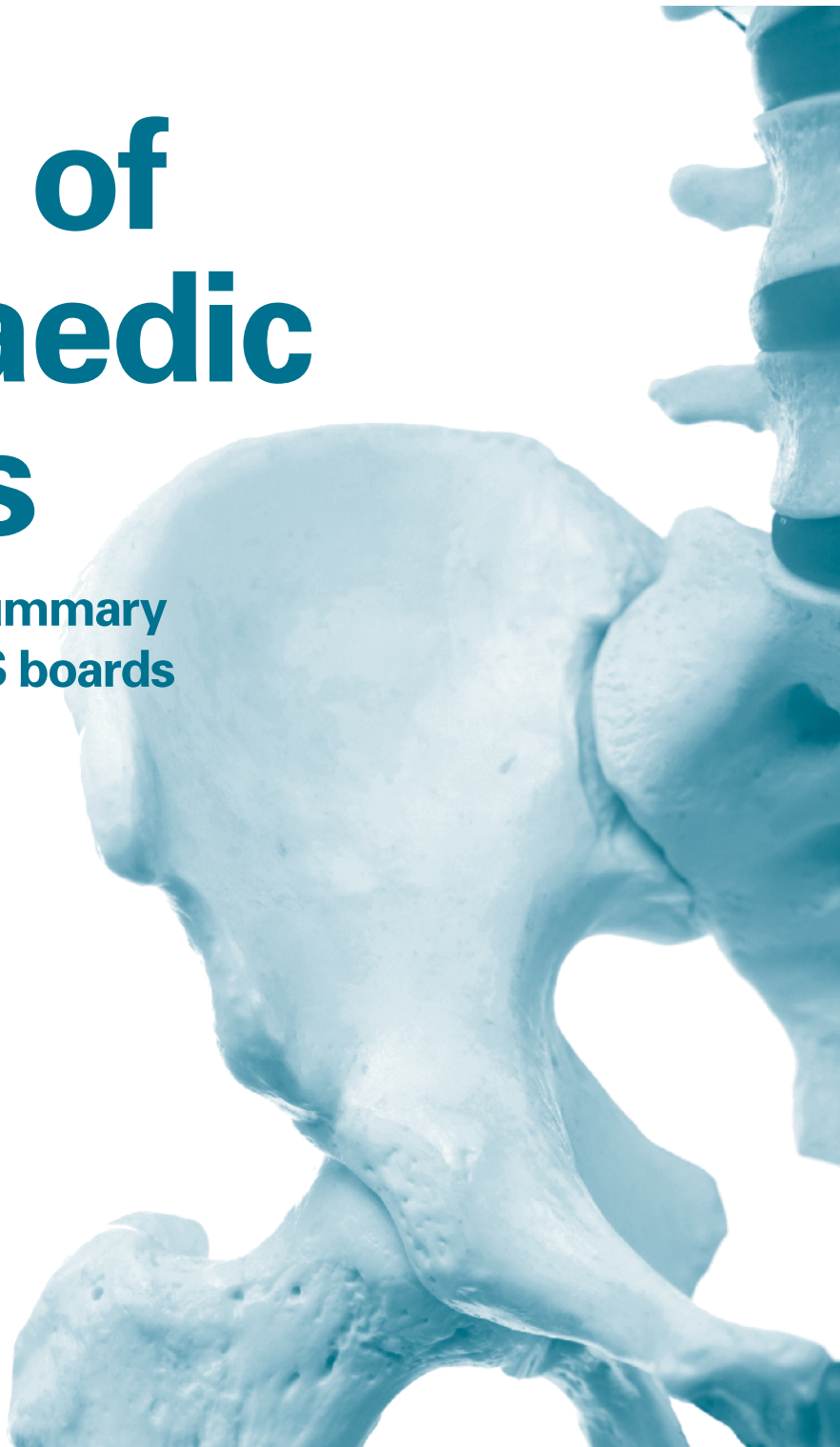


Review of orthopaedic services

Report supplement: Summary
of performance by NHS boards



 AUDIT SCOTLAND

March 2010

Auditor General for Scotland

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Summary of performance by NHS boards

	Year	NHS Ayrshire and Arran	NHS Borders	NHS Dumfries and Galloway	NHS Fife	NHS Forth Valley	Golden Jubilee National Hospital	NHS Grampian	NHS Greater Glasgow and Clyde
Number of inpatients	2008/09	5,311	2,024	2,139	3,367	4,115	2,409	7,923	22,974
Number of day cases	2008/09	1,722	609	655	3,114	1,049	509	2,556	5,282
Number of outpatients	2008/09	43,652	12,209	16,181	33,321	27,974	13,771	50,635	162,233
Inpatient expenditure (£000)	2008/09	21,067	5,388	8,365	13,627	14,614	9,796	32,668	82,758
Day case expenditure (£000)	2008/09	1,818	525	718	3,179	1,140	548	2,319	5,525
Outpatient expenditure (£000)	2008/09	3,775	1,781	782	3,052	1,722	1,324	3,659	15,680
Percentage of emergency activity (%)	2007/08	56	49	61	31	62	1	42	54
Percentage of planned activity (%)	2007/08	44	51	39	69	38	99	58	46
Percentage of referrals to GJNH (%)	2007/08	0.7	1.7	4.3	0.0	4.7	N/A	0.0	2.7
Percentage of referrals to SRTC (%)	2007/08	0.0	0.0	0.0	2.2	0.0	N/A	0.9	0.0
Percentage of referrals to private sector (%)	2007/08	0.6	2.4	0.1	0.0	2.6	N/A	1.8	0.0
Waiting times money spent on orthopaedics (£000)		2,699	881	2,808	1,488	3,078	N/A	5,382	6,745
Review to new outpatient rate	2008/09	1.9	1.2	1.6	1.6	1.3	N/A	2.4	2.0
Percentage of patients who did not attend first outpatient appointments (%)	2008/09	9.3	6.5	5.0	9.0	5.7	10.4	6.2	10.2
Percentage of patients removed from inpatient/day case waiting list as treatment no longer required (%)	2008	4.4	9.4	11.4	4.0	14.7	N/A	10.5	14.4
Percentage of patients removed from outpatient waiting list as treatment no longer required (%)	2008	5.7	5.9	11.1	2.6	9.3	N/A	10.2	4.1
Number of beds per 1,000 population	2008/09	0.28	0.30	0.24	0.20	0.31	N/A	0.36	0.31
Throughput	2008/09	52.0	62.0	61.8	47.1	46.7	60.8	44.6	59.3
Average length of stay in orthopaedics (days)	2007/08	5.7	5.8	5.7	5.7	7.7	–	6.2	5.2
Average length of stay following a hip fracture (days)	2007/08	33.9	34.4	32.8	29.9	25.6	–	36.7	35.0
Average length of stay following a hip replacement (days)	2007/08	8.7	1.3	8.8	6.6	6.9	6.2	7.7	7.1
Average length of stay following a knee replacement (days)	2007/08	8.7	1.4	10.1	6.7	6.5	5.9	7.7	6.7

	Year	NHS Ayrshire and Arran	NHS Borders	NHS Dumfries and Galloway	NHS Fife	NHS Forth Valley	Golden Jubilee National Hospital	NHS Grampian	NHS Greater Glasgow and Clyde
Crude rate of readmissions following an orthopaedic procedure	2008/09	4.98	4.88	5.81	2.70	5.05	N/A	3.59	5.77
Crude rate of readmissions following a hip fracture	2008/09	12.2	4.7	12.7	13.0	8.5	N/A	10.0	14.9
Complication rates	2007/08	0.43	0.24	0.52	0.53	0.73	N/A	0.40	0.33
Number of day cases per 1,000 population	2007/08	4.4	3.7	3.4	9.6	4.0	N/A	4.1	3.7
Number of planned inpatients per 1,000 population	2007/08	4.7	9.7	5.4	6.4	4.0	N/A	8.5	7.4
Number of emergency inpatients per 1,000 population	2007/08	11.6	12.7	13.5	7.0	13.1	N/A	9.0	12.9
Theatre utilisation (%)	2007/08	64.3	50.9	75.5	64.3	49.9	49.0	64.5	48.7
Number of consultants	2008/09	13.8	5.0	7.0	10.0	9.0	8.0	20.6	56.8
Population per consultant (1,000 population per 1 WTE)	2008/09	26.6	22.5	21.2	36.2	32.2	N/A	26.2	22.6
Consultant activity	2007/08	581.08	598.50	458.29	643.40	739.25	–	643.57	583.67
Consultant and career grade activity	2007/08	472.13	478.80	356.44	459.57	–	–	–	551.84
Direct inpatient cost per case (£)	2008/09	3,057	2,926	3,120	2,946	2,692	5,631	3,193	2,804
Direct day case cost per case	2008/09	781	859	906	834	872	719	671	831
Spend per population (£)	2008/09	72.54	68.44	66.39	54.88	60.25	N/A	71.62	80.89
Knee implant average cost (£)	2007/08	1,900	1,451	1,879	1,674	1,950	1,166	1,812	1,672
Hip implant average cost (£)	2007/08	1,023	806	973	1,059	1,832	1,202	1,069	1,280
Crude percentage of patients who survived 30 days after a hip fracture (%)	2007/08	89.9	94.0	92.1	93.9	87.6	N/A	91.2	93.7
Crude percentage of patients who survived 120 days after a hip fracture (%)	2007/08	81.1	83.4	82.5	81.5	76.8	N/A	81.5	83.6
Crude percentage of patients with a hip fracture who were transferred from the emergency department within two hours (%)	2007/08	42.4	14.0	37.0	54.0	22.0	N/A	17.6	27.3
Crude percentage of hip fracture patients who received surgery within 24 hours (%)	2007/08	98.7	92.4	98.9	98.2	98.6	N/A	98.6	99.0

	Year	NHS Highland	NHS Lanarkshire	NHS Lothian	NHS Orkney	NHS Scotland	NHS Shetland	NHS Tayside	NHS Western Isles
Number of inpatients	2008/09	3,675	5,688	9,710	–	76,161	2	6,498	326
Number of day cases	2008/09	1,497	2,719	2,598	–	24,293	63	1,824	96
Number of outpatients	2008/09	27,534	47,415	84,208	672	569,404	1,024	44,305	4,270
Inpatient expenditure (£000)	2008/09	11,905	20,608	42,405	–	296,262	5	31,111	1,946
Day case expenditure (£000)	2008/09	884	2,585	2,835	–	25,764	96	3,408	185
Outpatient expenditure (£000)	2008/09	2,479	4,490	8,547	60	51,118	52	3,610	105
Percentage of emergency activity (%)	2007/08	54	62%	50	91	50	56	45	62
Percentage of planned activity (%)	2007/08	46	38%	50	9	50	44	55	38
Percentage of referrals to GJNH (%)	2007/08	0.7	5.7%	1.2	8.4	2.0	9.0	0.0	2.6
Percentage of referrals to SRTC (%)	2007/08	0.0	0.0%	0.0	0.0	0.5	0.0	2.8	0.0
Percentage of referrals to private sector (%)	2007/08	0.0	0.8%	0.0	1.1	0.5	1.4	0.0	0.0
Waiting times money spent on orthopaedics (£000)		0	1,537	4,541	0	31,664	300	2,204	0
Review to new outpatient rate	2008/09	1.8	1.7	1.7	1.2	1.8	1.0	1.6	2.1
Percentage of patients who did not attend first outpatient appointments (%)	2008/09	7.3	12.5%	10.1	1.4	9.0	2.3	6.7	8.7
Percentage of patients removed from inpatient/day case waiting list as treatment no longer required (%)	2008	3.2	13.1%	11.8	–	11.7	13.2	16.5	8.6
Percentage of patients removed from outpatient waiting list as treatment no longer required (%)	2008	4.2	4.3%	6.1	8.0	5.6	11.0	4.9	4.1
Number of beds per 1,000 population	2008/09	0.31	0.25	0.21	–	0.28	–	0.37	0.62
Throughput	2008/09	55.4	40.9	58.3	–	51.5	–	40.3	23.8
Average length of stay in orthopaedics (days)	2007/08	5.6	7.0	6.3	–	6.0	–	7.1	15.5
Average length of stay following a hip fracture (days)	2007/08	46.2	29.8	46.6	72.6	35.9	23.7	31.6	59.4
Average length of stay following a hip replacement (days)	2007/08	6.6	9.0	6.2	–	7.1	–	7.1	12.8
Average length of stay following a knee replacement (days)	2007/08	7.0	8.4	5.9	–	6.9	–	6.7	10.0

	Year	NHS Highland	NHS Lanarkshire	NHS Lothian	NHS Orkney	NHS Scotland	NHS Shetland	NHS Tayside	NHS Western Isles
Crude rate of readmissions following an orthopaedic procedure	2008/09	4.11	5.06	4.81	–	4.80	–	4.70	4.09
Crude rate of readmissions following a hip fracture	2008/09	10.9	10.2	8.6	–	11.4	–	9.3	20.0
Complication rates	2007/08	0.73	0.50	0.46	–	0.45	–	0.43	2.13
Number of day cases per 1,000 population	2007/08	4.6	3.1	3.1	0.0	4.1	2.1	3.9	3.0
Number of planned inpatients per 1,000 population	2007/08	7.7	3.2	5.5	0.4	6.6	0.1	7.4	4.4
Number of emergency inpatients per 1,000 population	2007/08	14.5	10.3	8.7	4.3	10.8	2.8	9.1	12.2
Theatre utilisation (%)	2007/08	72.6	64.7%	69.9	68.2	61.1	35.6	77.9	96.7
Number of consultants	2008/09	9.0	20.0	23.4	–	202.2	–	18.6	1.0
Population per consultant (1,000 population per 1 WTE)	2008/09	24.4	28.1	39.7	–	25.9	–	21.3	26.2
Consultant activity	2007/08	632.22	700.00	512.36	–	588.99	–	521.53	506.00
Consultant and career grade activity	2007/08	569.00	433.33		–	524.38	–	–	–
Direct inpatient cost per case (£)	2008/09	2,520	2,915	3,365	–	3,092	1,193	3,457	4,188
Direct day case cost per case	2008/09	481	797	892	–	835	658	1,350	1,331
Spend per population (£)	2008/09	69.59	49.33	65.78	3.02	72.20	7.00	96.06	85.34
Knee implant average cost (£)	2007/08	1,619	1,684	1,506	–		–	1,407	2,060
Hip implant average cost (£)	2007/08	943	1,211	858	–		–	1,07	773
Crude percentage of patients who survived 30 days after a hip fracture (%)	2007/08	94.9	93.0%	94.4	–	92.9	–	93.2	–
Crude percentage of patients who survived 120 days after a hip fracture (%)	2007/08	86.7	81.8%	83.7	–	83.0	–	84.6	–
Crude percentage of patients with a hip fracture who were transferred from the emergency department within two hours (%)	2007/08	48.0	20.0%	3.0	–	28.0	–	52.3	–
Crude percentage of hip fracture patients who received surgery within 24 hours (%)	2007/08	94.8	97.5%	99.2	–	98.4	–	99.1	–

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