

NHS Equity Indicators

England: 2001/2 - 2011/12

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Acknowledgements

- This is work arising from the research project: *Health Equity Indicators for the English NHS: Longitudinal whole-population study at small area level. NIHR Health Services and Delivery Research (HSDR) Programme (project number 11/2004/39).*

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- 1 Background
- 2 Healthcare Access
- 3 Healthcare Outcomes
- 4 Health

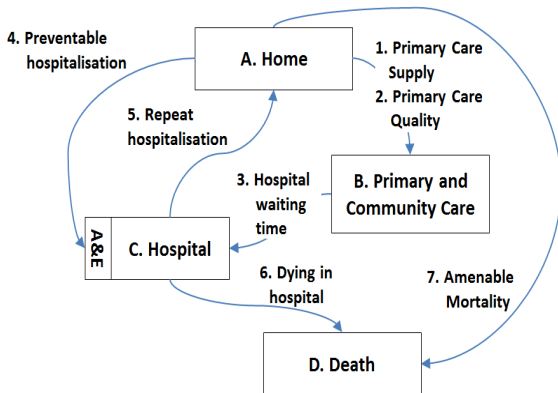
Introduction

This chartpack provides supporting information for our NHS Equity Dashboards. It presents in-depth information on 8 indicators of socioeconomic inequality in:

- Healthcare access (3 indicators)
- Healthcare outcomes (4 indicators)
- Health (1 indicator)

Conceptual Framework

Monitoring healthcare inequalities at all stages of the patient pathway: conceptual framework



Indicator Definitions

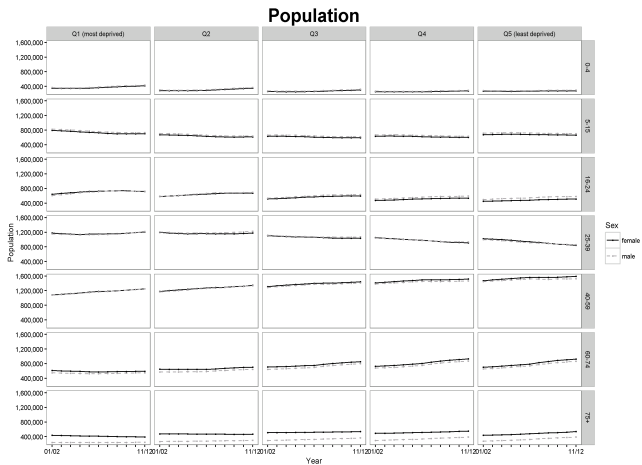
Indicator Notes	
Indicator Definitions	Inequality Measures
1. Primary care supply: patients per full time equivalent GP, excluding registrars and retainers ^{a,b}	Relative Inequality Index (RII): This shows the % gap between the most and least deprived neighbourhoods in England as a proportion of the average.
2. Primary care quality: clinical performance in the quality and outcomes framework (weighted by public health impact)	
3. Hospital waiting time: days from outpatient decision-to-treat to inpatient admission-for-treatment ^c	A positive current RII implies "pro-rich" inequality favouring less deprived areas. A positive RII trend implies the mean RII in the last two years is larger (more unequal) than the mean RII in the two years before that. A clear overall inequality trend requires a statistically significant trend in the same direction for both the RII and the SII ("Slope Index of Inequality") which shows the absolute gap between most and least deprived areas.
4. Preventable hospitalisation: proportion of people with an emergency admission for an ambulatory care sensitive condition ^a	
5. Repeat hospitalisation: proportion of inpatients with subsequent emergency readmission the same year ^a	
6. Dying in hospital: proportion of deaths in hospital	
7. Amenable mortality: proportion of people dying from causes considered amenable to health care ^a	
8. Mortality: proportion of people dying from any cause ^a	Not clear means that RII and SII trends are not significant or they move in different directions.

^a Adjusted for age and sex each year
^b Adjusted for neighbourhood ill-health in 2007
^c Adjusted for patient speciality each year

Socioeconomic inequality

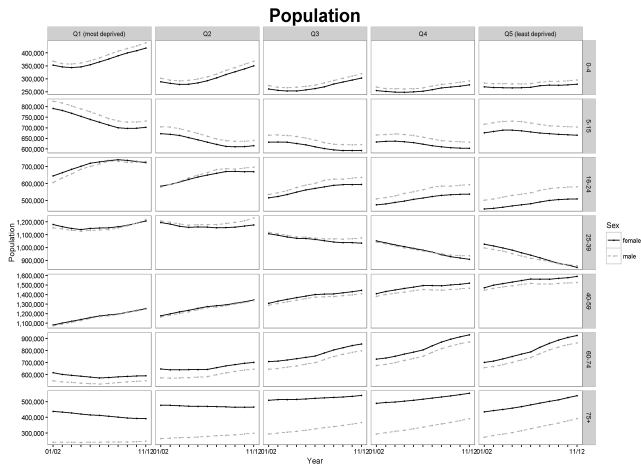
- Socioeconomic inequality is measured using the Index of Multiple Deprivation 2010 for English small areas - 32,482 lower layer super output areas (LSOAs) - which are neighbourhoods of about 1,500 people.
- To provide a simple way of visualising the inequality patterns, these small areas are split into five equally sized national quintile groups, labelled Q1 to Q5, where Q1 is the most deprived fifth (or "poorest", for short).
- We also show "relative" and "slope" indices of inequality based on regression analysis using all of the small areas, with error bars showing 95% confidence intervals.

Population matrix plot



Breakdown by age, sex, deprivation and year

Population matrix plot (free axis between age groups)



Breakdown by age, sex, deprivation and year

Top 10 CCGs overall (1 = best on equity)

Rank	CCG
1	Fareham and Gosport
2	Hambleton, Richmondshire and Whitby
3	Erewash
4	North Norfolk
5	Telford & Wrekin
6	West Hampshire
7	High Weald Lewes Havens
8	Southampton
9	Shropshire
10	Isle of Wight

Table: Best performing CCGs in terms of RII: 2011

Bottom 10 CCGs overall (1 = worst on equity)

Rank	CCG
1	South Manchester
2	Central Manchester
3	Blackburn with Darwen
4	Windsor, Ascot and Maidenhead
5	Waltham Forest
6	Blackpool
7	North Manchester
8	Newham
9	Camden
10	Scarborough and Ryedale

Table: Worst performing CCGs in terms of RII: 2011

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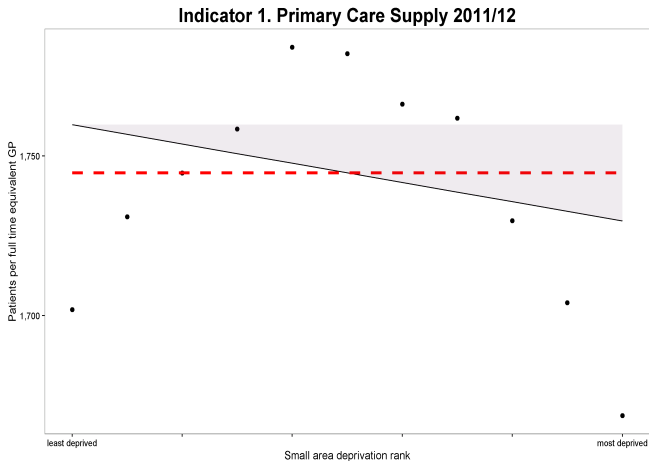
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Indicator 1. Primary Care Supply

Primary Care Supply

- patients per full time equivalent GP, excluding registrars and retainers
- adjusted for age, sex and neighbourhood ill-health using the Carr-Hill workload adjustment

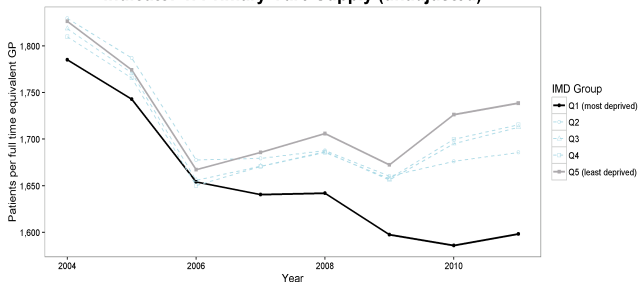
Equity scatterplot



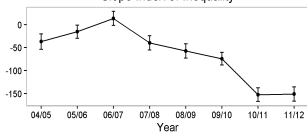
Indicator 1. Primary Care Supply: Patients per full time equivalent GP, excluding registrars and retainers, adjusted for age, sex and health deprivation

Equity trend chart unadjusted

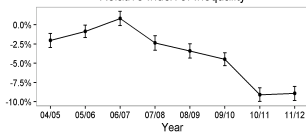
Indicator 1. Primary Care Supply (unadjusted)



Slope Index of Inequality



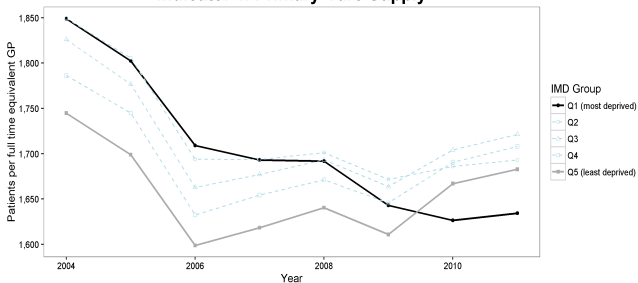
Relative Index of Inequality



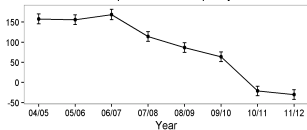
Indicator 1. Primary Care Supply: Patients per full time equivalent GP, excluding registrars and retainers

Equity trend chart

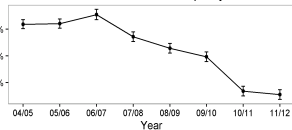
Indicator 1. Primary Care Supply



Slope Index of Inequality



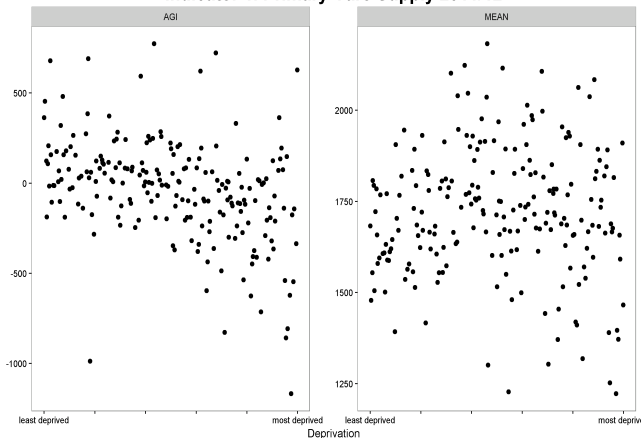
Relative Index of Inequality



Indicator 1. Primary Care Supply: Patients per full time equivalent GP, excluding registrars and retainers, adjusted for age, sex and health deprivation

Equity correlation plot at CCG level

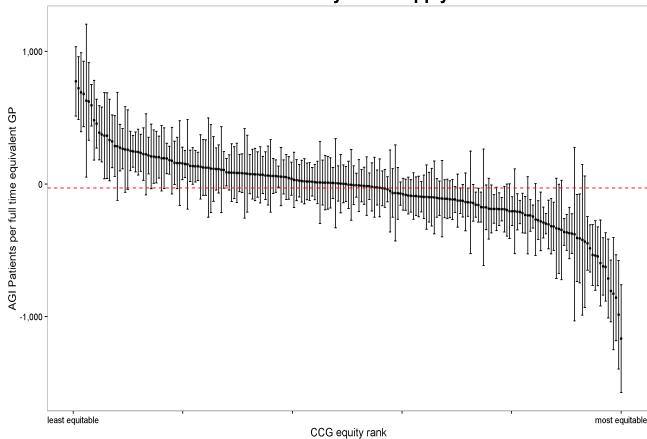
Indicator 1. Primary Care Supply 2011/12



Indicator 1. Primary Care Supply: Patients per full time equivalent GP, excluding registrars and retainers, adjusted for age, sex and health deprivation

Equity caterpillar plot at CCG level

Indicator 1. Primary Care Supply 2011/12



Indicator 1. Primary Care Supply: Patients per full time equivalent GP, excluding registrars and retainers, adjusted for age, sex and health deprivation

Top 10 CCGs (1 = best on equity)

Rank	CCG	SII	Significant
1	City and Hackney	-1,166.41	TRUE
2	Hambleton, Richmondshire and Whitby	-986.61	TRUE
3	Blackpool	-857.67	TRUE
4	West London (Kensington and Chelsea, Que	-826.97	TRUE
5	Sandwell and West Birmingham	-806.51	TRUE
6	Greenwich	-713.50	TRUE
7	Southwark	-625.70	TRUE
8	Tower Hamlets	-621.37	TRUE
9	Lincolnshire East	-595.85	TRUE
10	Knowsley	-545.43	TRUE

Table: Best performing CCGs in terms of SII: 2011

Bottom 10 CCGs (1 = worst on equity)

Rank	CCG	SII	Significant
1	North East Essex	773.55	TRUE
2	Swale	722.97	TRUE
3	South Lincolnshire	691.32	TRUE
4	Bracknell and Ascot	679.51	TRUE
5	Bradford City	627.91	TRUE
6	Southend	622.19	TRUE
7	Basildon and Brentwood	593.93	TRUE
8	Richmond	480.87	TRUE
9	Surrey Downs	454.71	TRUE
10	Stafford and Surrounds	386.20	TRUE

Table: Worst performing CCGs in terms of SII: 2011

Indicator 2. Primary Care Quality

Primary Care Quality

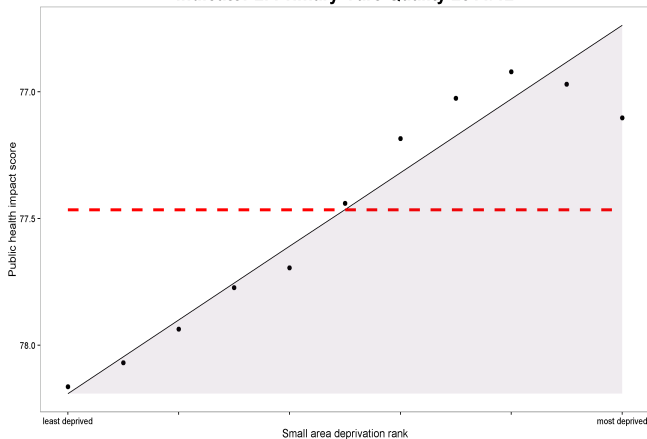
- clinical performance in the quality and outcomes framework (weighted by public health impact)

PHIS Definition

Summary description of indicator	Crude prevalence per 100 000 registered patients - mean (SD)	Annual mortality reduction per 100 000 registered patients	Weight in PHIS
Diabetes: influenza vaccination	4420 (1881)	63.7	0.158
CHD: influenza vaccination	3448 (1487)	61.6	0.153
Hypertension: BP \leq 150/90 mmHg	13 548 (5117)	48.2	0.120
CHD: beta-blocker treatment	3448 (1487)	45.9	0.114
Stroke/TIA: influenza vaccination	1649 (967)	28.1	0.070
Diabetes: HbA1c \leq 7.0%	4420 (1881)	26.5	0.066
COPD: influenza vaccination	1626 (958)	24.9	0.062
CHD: aspirin or other antithrombotic therapy	3448 (1487)	24.8	0.061
CHD: cholesterol \leq 5.0 mmol/l	3448 (1487)	15.8	0.039
Stroke (non-haemorrhagic): aspirin or other antithrombotic	1080 (649)	15.8	0.039
Diabetes: BP \leq 145/85 mmHg	4420 (1881)	13.5	0.033
CHD: BP \leq 150/90 mmHg	3448 (1487)	11.3	0.028
CHD, stroke/TIA, hypertension, DM, CKD, COPD, asthma, psychosis: smoking cessation advice	3903 (2525)	10.9	0.027
Diabetes: HbA1c \leq 9.0%	4420 (1881)	7.4	0.018
Diabetes with proteinuria or microalbuminuria: ACEI or ARB therapy	505 (513)	3.4	0.008
CHD (myocardial infarction): ACEI or ARB therapy	572 (291)	1.5	0.004

Equity scatterplot (inverted scale)

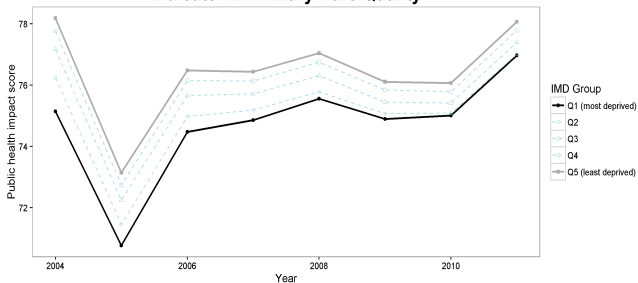
Indicator 2. Primary Care Quality 2011/12



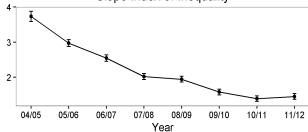
Indicator 2. Primary Care Quality: clinical performance in the quality and outcomes framework (weighted by public health impact)

Equity trend chart

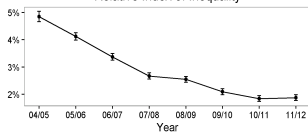
Indicator 2. Primary Care Quality



Slope Index of Inequality



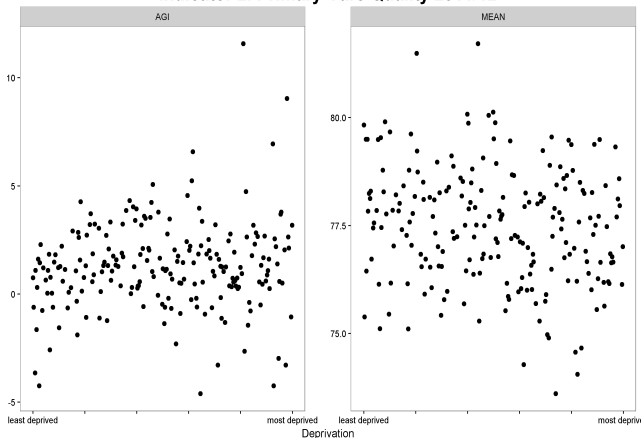
Relative Index of Inequality



Indicator 2. Primary Care Quality: clinical performance in the quality and outcomes framework (weighted by public health impact)

Equity correlation plot at CCG level

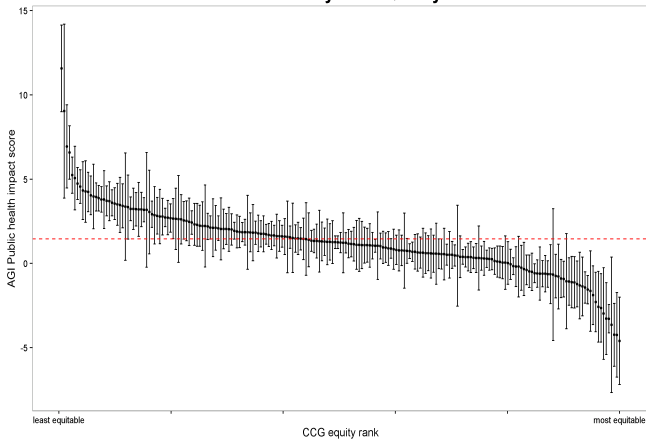
Indicator 2. Primary Care Quality 2011/12



Indicator 2. Primary Care Quality: clinical performance in the quality and outcomes framework (weighted by public health impact)

Equity caterpillar plot at CCG level

Indicator 2. Primary Care Quality 2011/12



Indicator 2. Primary Care Quality: clinical performance in the quality and outcomes framework (weighted by public health impact)

Top 10 CCGs (1 = best on equity)

Rank	CCG	SII	Significant
1	Slough	-4.60	TRUE
2	Bracknell and Ascot	-4.24	TRUE
3	Waltham Forest	-4.24	TRUE
4	Surrey Heath	-3.64	TRUE
5	City and Hackney	-3.28	TRUE
6	West London (Kensington and Chelsea, Que	-3.28	TRUE
7	Islington	-2.97	TRUE
8	Southwark	-2.64	TRUE
9	Newbury and District	-2.58	TRUE
10	Hounslow	-2.30	TRUE

Table: Best performing CCGs in terms of SII: 2011

Bottom 10 CCGs (1 = worst on equity)

Rank	CCG	SII	Significant
1	Brent	11.58	TRUE
2	Newham	9.04	TRUE
3	South Manchester	6.94	TRUE
4	Southend	6.59	TRUE
5	Greater Huddersfield	5.24	TRUE
6	Thurrock	5.07	TRUE
7	South Sefton	4.74	TRUE
8	Croydon	4.56	TRUE
9	Havering	4.32	TRUE
10	West Suffolk	4.27	TRUE

Table: Worst performing CCGs in terms of SII: 2011

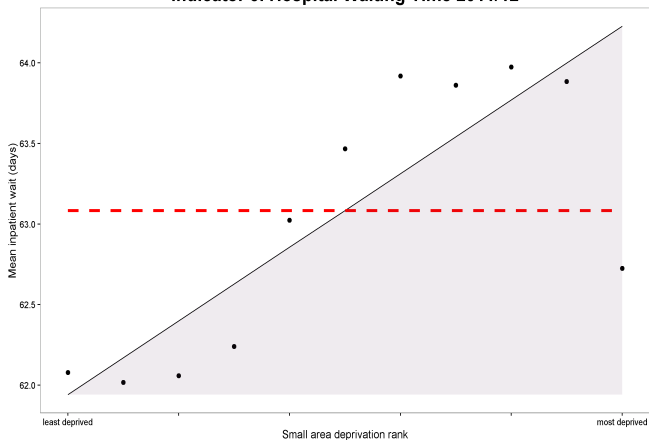
Indicator 3. Hospital Waiting Time

Hospital Waiting Time

- days from outpatient decision-to-treat to inpatient admission-for-treatment
- excludes "planned appointments" where wait scheduled for medical reasons
- excludes waits longer than 12 months
- adjusted for speciality of consultant responsible for admission episode (over 100 mainspef codes)

Equity scatterplot

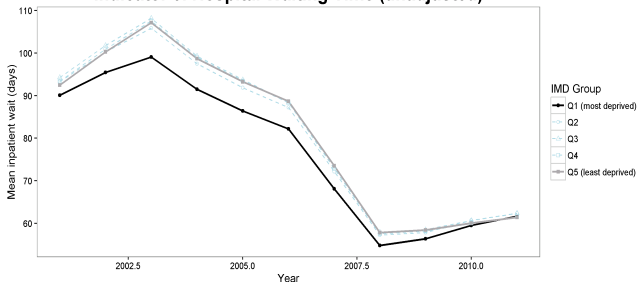
Indicator 3. Hospital Waiting Time 2011/12



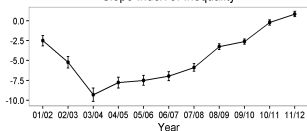
Indicator 3. Hospital Waiting Time: days from outpatient decision-to-treat to inpatient admission-for-treatment adjusted for speciality

Equity trend chart unadjusted

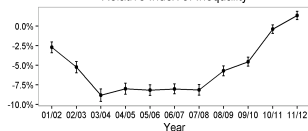
Indicator 3. Hospital Waiting Time (unadjusted)



Slope Index of Inequality



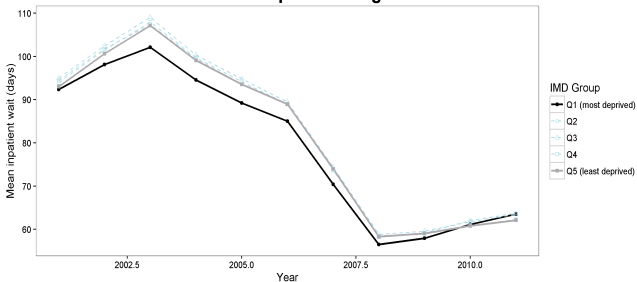
Relative Index of Inequality



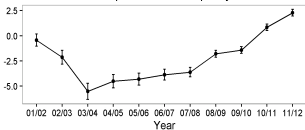
Indicator 3. Hospital Waiting Time: days from outpatient decision-to-treat to inpatient admission-for-treatment

Equity trend chart

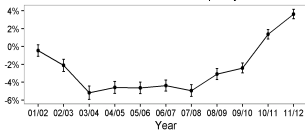
Indicator 3. Hospital Waiting Time



Slope Index of Inequality



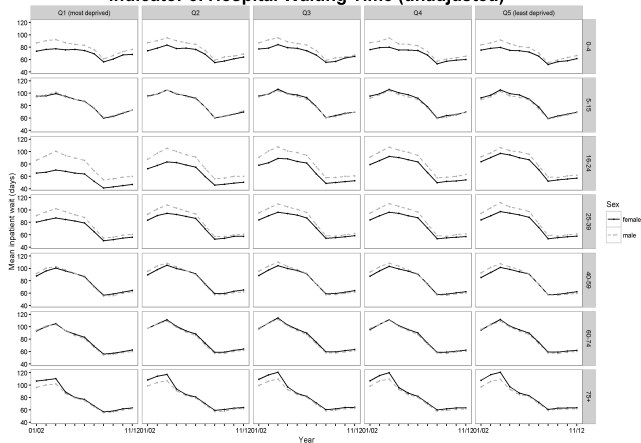
Relative Index of Inequality



Indicator 3. Hospital Waiting Time: days from outpatient decision-to-treat to inpatient admission-for-treatment adjusted for specialty

Equity matrix plot

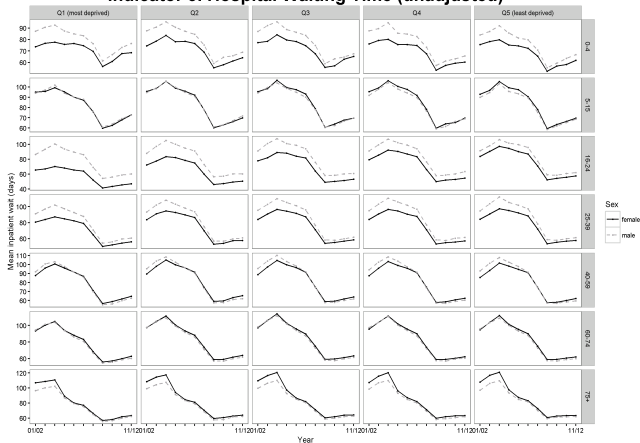
Indicator 3. Hospital Waiting Time (unadjusted)



Breakdown by age, sex, deprivation and year

Equity matrix plot (free axis between age groups)

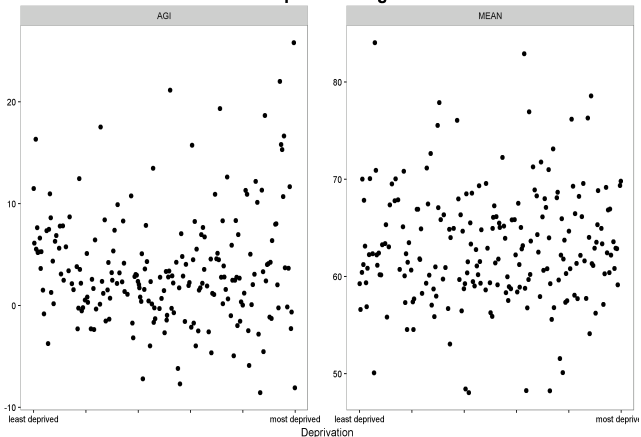
Indicator 3. Hospital Waiting Time (unadjusted)



Breakdown by age, sex, deprivation and year

Equity correlation plot at CCG level

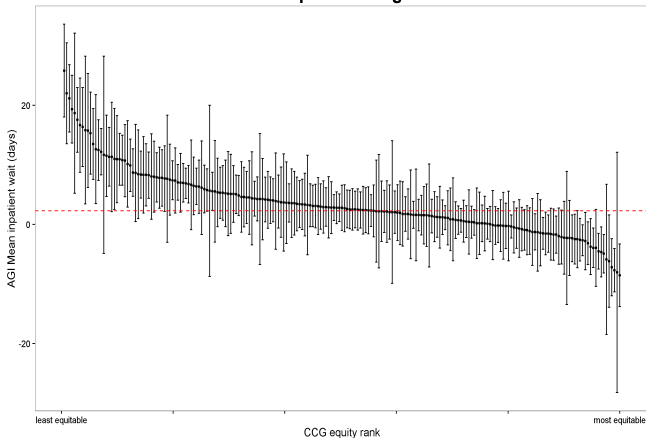
Indicator 3. Hospital Waiting Time 2011/12



Indicator 3. Hospital Waiting Time: days from outpatient decision-to-treat to inpatient admission-for-treatment adjusted for speciality

Equity caterpillar plot at CCG level

Indicator 3. Hospital Waiting Time 2011/12



Indicator 3. Hospital Waiting Time: days from outpatient decision-to-treat to inpatient admission-for-treatment adjusted for speciality

Top 10 CCGs (1 = best on equity)

Rank	CCG	SII	Significant
1	Nottingham City	-8.54	TRUE
2	Bradford City	-8.06	FALSE
3	South Devon and Torbay	-7.70	TRUE
4	North Derbyshire	-7.20	TRUE
5	Hounslow	-6.18	TRUE
6	Lewisham	-5.89	FALSE
7	Rotherham	-4.93	TRUE
8	Portsmouth	-4.63	TRUE
9	South Tees	-4.51	TRUE
10	Cannock Chase	-3.96	FALSE

Table: Best performing CCGs in terms of SII: 2011

Bottom 10 CCGs (1 = worst on equity)

Rank	CCG	SII	Significant
1	North Manchester	25.80	TRUE
2	Haringey	22.01	TRUE
3	Redbridge	21.15	TRUE
4	West London (Kensington and Chelsea, Que	19.34	TRUE
5	Barking & Dagenham	18.66	TRUE
6	West Essex	17.54	TRUE
7	Central Manchester	16.65	TRUE
8	Surrey Heath	16.34	TRUE
9	Islington	15.82	TRUE
10	Central London (Westminster)	15.74	TRUE

Table: Worst performing CCGs in terms of SII: 2011

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2 Healthcare Access

3 Healthcare Outcomes

- 4. Preventable Hospitalisation
- 5. Repeat Hospitalisation
- 6. Dying in Hospital
- 7. Amenable Mortality

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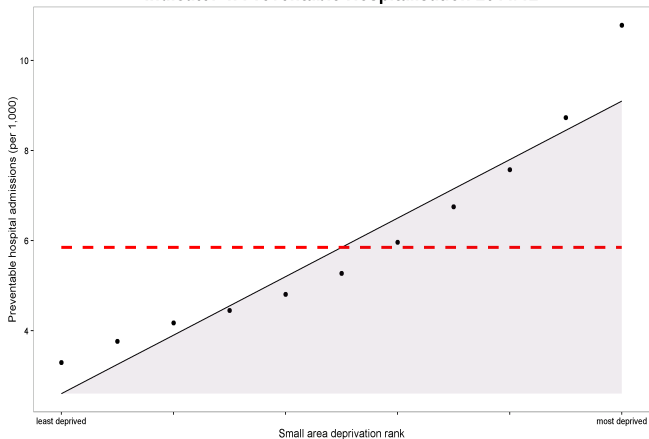
Indicator 4. Preventable Hospitalisation

Preventable Hospitalisation

- number of people per 1,000 population having one or more emergency hospitalisations for an ambulatory care sensitive condition
- adjusted for age and sex
- preventable defined according to the NHS outcomes framework definition for indicator: [NHS OF 2.3.i](#)

Equity scatterplot

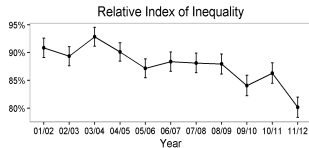
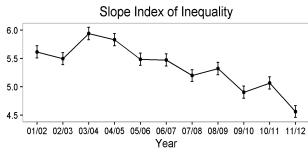
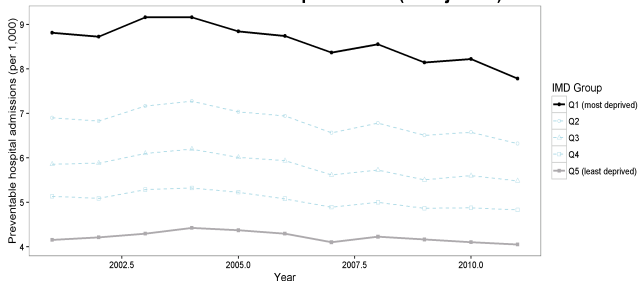
Indicator 4. Preventable Hospitalisation 2011/12



Indicator 4. Preventable Hospitalisation: hospitalisations per 1,000 population for conditions amenable to healthcare adjusted for age and sex

Equity trend chart unadjusted

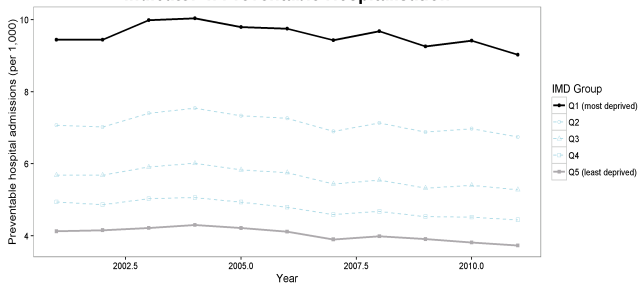
Indicator 4. Preventable Hospitalisation (unadjusted)



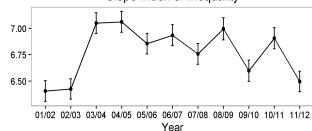
Indicator 4. Preventable Hospitalisation: hospitalisations per 1,000 population for conditions amenable to healthcare

Equity trend chart

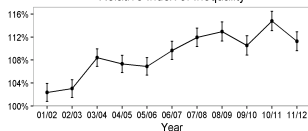
Indicator 4. Preventable Hospitalisation



Slope Index of Inequality



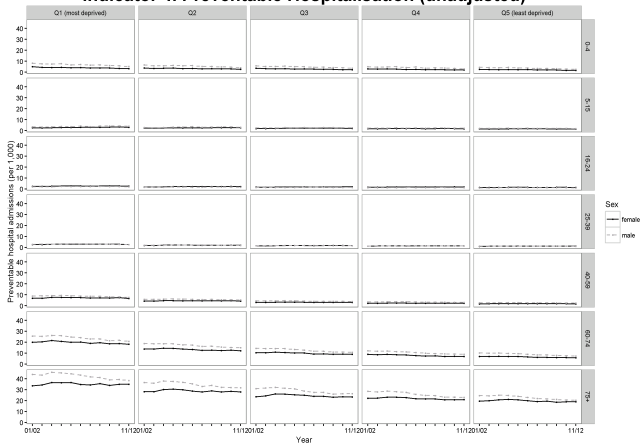
Relative Index of Inequality



Indicator 4. Preventable Hospitalisation: hospitalisations per 1,000 population for conditions amenable to healthcare adjusted for age and sex

Equity matrix plot

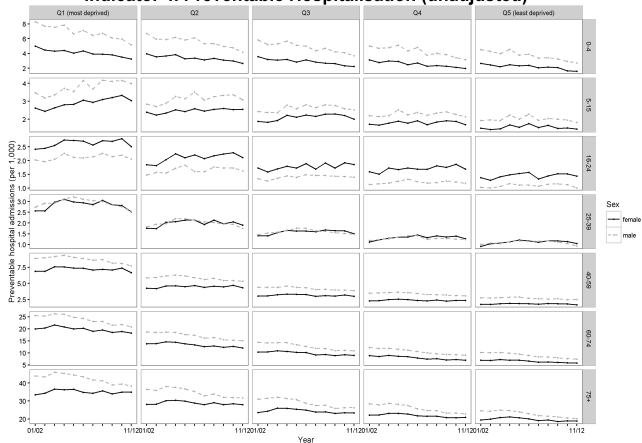
Indicator 4. Preventable Hospitalisation (unadjusted)



Breakdown by age, sex, deprivation and year

Equity matrix plot (free axis between age groups)

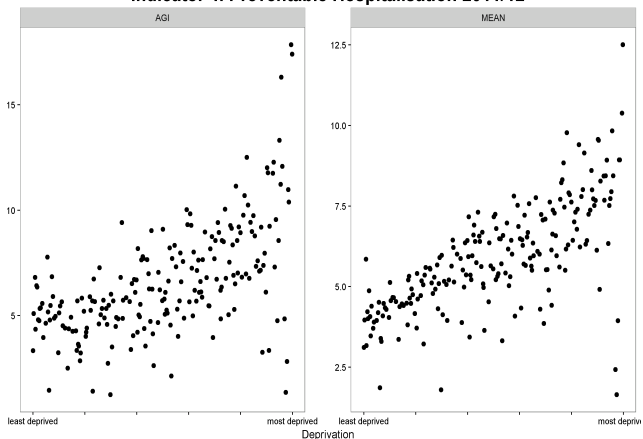
Indicator 4. Preventable Hospitalisation (unadjusted)



Breakdown by age, sex, deprivation and year

Equity correlation plot at CCG level

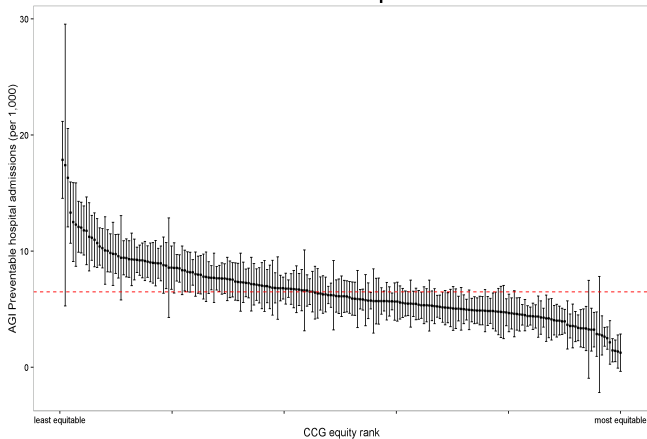
Indicator 4. Preventable Hospitalisation 2011/12



Indicator 4. Preventable Hospitalisation: hospitalisations per 1,000 population for conditions amenable to healthcare adjusted for age and sex

Equity caterpillar plot at CCG level

Indicator 4. Preventable Hospitalisation 2011/12



Indicator 4. Preventable Hospitalisation: hospitalisations per 1,000 population for conditions amenable to healthcare adjusted for age and sex

Top 10 CCGs (1 = best on equity)

Rank	CCG	SII	Significant
1	Crawley	1.25	TRUE
2	City and Hackney	1.35	TRUE
3	North Somerset	1.41	TRUE
4	East Surrey	1.46	TRUE
5	Isle of Wight	2.13	TRUE
6	Fareham and Gosport	2.51	TRUE
7	North, East, West Devon	2.62	TRUE
8	North Norfolk	2.73	TRUE
9	Newham	2.82	FALSE
10	Hambleton, Richmondshire and Whitby	2.85	TRUE

Table: Best performing CCGs in terms of SII: 2011

Bottom 10 CCGs (1 = worst on equity)

Rank	CCG	SII	Significant
1	North Manchester	17.85	TRUE
2	Bradford City	17.40	FALSE
3	Central Manchester	16.32	TRUE
4	Birmingham South and Central	13.31	TRUE
5	Lewisham	12.51	TRUE
6	Waltham Forest	12.28	TRUE
7	Sandwell and West Birmingham	12.09	TRUE
8	Blackburn with Darwen	12.02	TRUE
9	Heywood, Middleton & Rochdale	11.78	TRUE
10	South Manchester	11.75	TRUE

Table: Worst performing CCGs in terms of SII: 2011

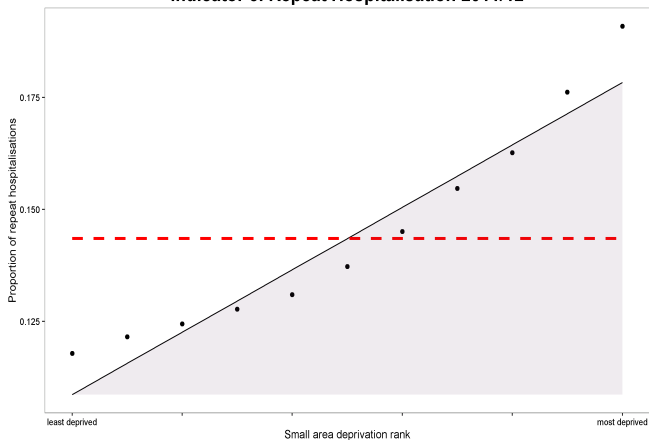
Indicator 5. Repeat Hospitalisation

Repeat hospitalisation

- proportion of inpatients with subsequent emergency readmission the same year
- adjusted for age and sex

Equity scatterplot

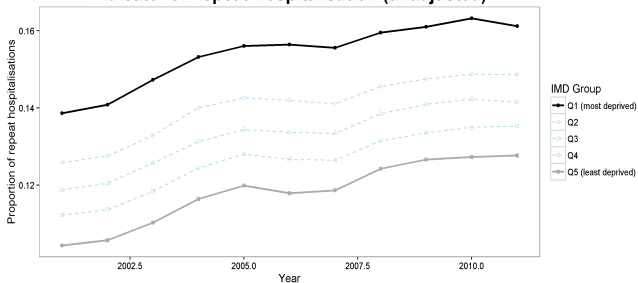
Indicator 5. Repeat Hospitalisation 2011/12



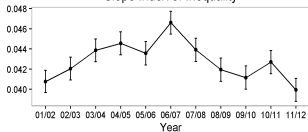
Indicator 5. Repeat Hospitalisation: proportion of inpatients with subsequent emergency readmission the same year adjusted for age and sex

Equity trend chart unadjusted

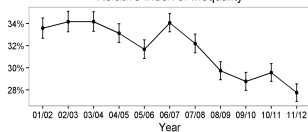
Indicator 5. Repeat Hospitalisation (unadjusted)



Slope Index of Inequality



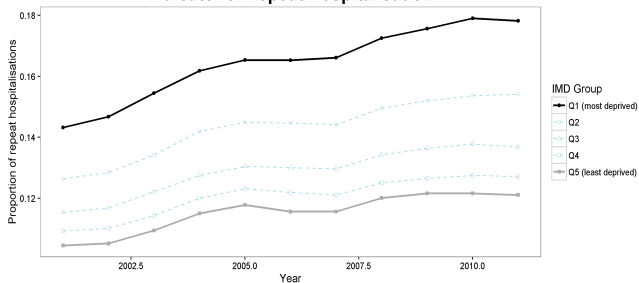
Relative Index of Inequality



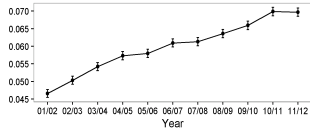
Indicator 5. Repeat Hospitalisation: proportion of inpatients with subsequent emergency readmission the same year

Equity trend chart

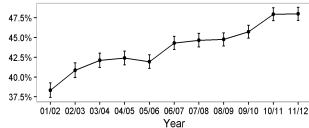
Indicator 5. Repeat Hospitalisation



Slope Index of Inequality



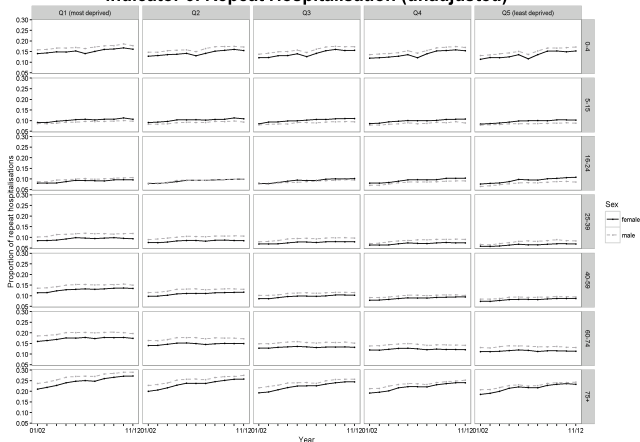
Relative Index of Inequality



Indicator 5. Repeat Hospitalisation: proportion of inpatients with subsequent emergency readmission the same year adjusted for age and sex

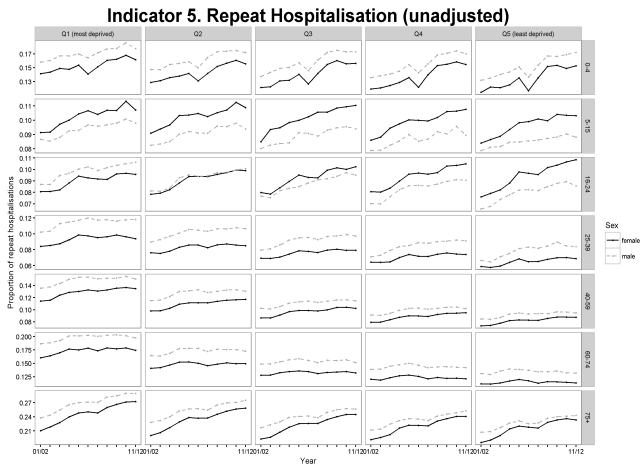
Equity matrix plot

Indicator 5. Repeat Hospitalisation (unadjusted)



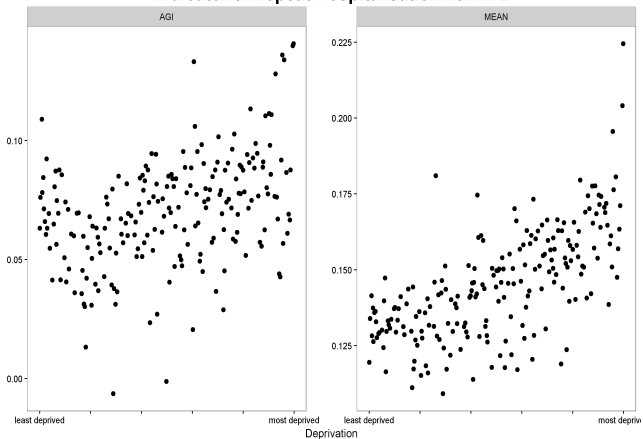
Breakdown by age, sex, deprivation and year

Equity matrix plot (free axis between age groups)



Equity correlation plot at CCG level

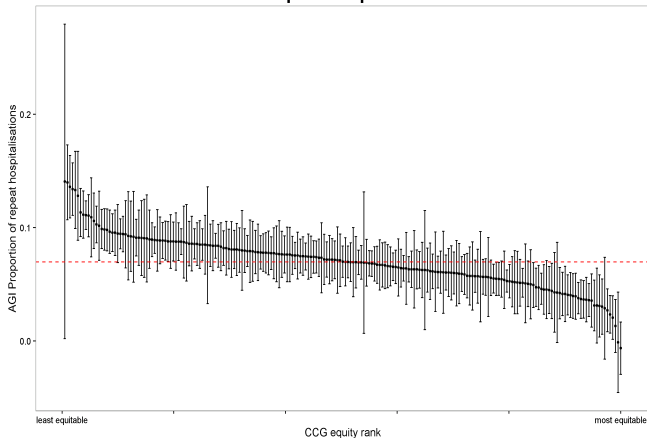
Indicator 5. Repeat Hospitalisation 2011/12



Indicator 5. Repeat Hospitalisation: proportion of inpatients with subsequent emergency readmission the same year adjusted for age and sex

Equity caterpillar plot at CCG level

Indicator 5. Repeat Hospitalisation 2011/12



Indicator 5. Repeat Hospitalisation: proportion of inpatients with subsequent emergency readmission the same year adjusted for age and sex

Top 10 CCGs (1 = best on equity)

Rank	CCG	SII	Significant
1	North Norfolk	-0.01	TRUE
2	South Reading	-0.00	TRUE
3	Hambleton, Richmondshire and Whitby	0.01	TRUE
4	North East Essex	0.02	TRUE
5	South Kent Coast	0.02	TRUE
6	Corby	0.03	FALSE
7	Crawley	0.03	TRUE
8	North & West Reading	0.03	TRUE
9	South Lincolnshire	0.03	TRUE
10	South Norfolk	0.03	TRUE

Table: Best performing CCGs in terms of SII: 2011

Bottom 10 CCGs (1 = worst on equity)

Rank	CCG	SII	Significant
1	Blackpool	0.14	TRUE
2	Bradford City	0.14	FALSE
3	North Manchester	0.14	TRUE
4	Central London (Westminster)	0.13	TRUE
5	Sandwell and West Birmingham	0.13	TRUE
6	Waltham Forest	0.13	TRUE
7	Birmingham CrossCity	0.11	TRUE
8	Blackburn with Darwen	0.11	TRUE
9	Leeds South and East	0.11	TRUE
10	Oldham	0.11	TRUE

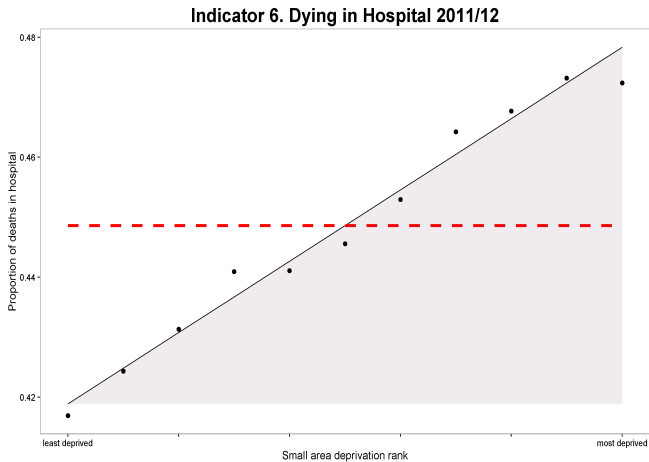
Table: Worst performing CCGs in terms of SII: 2011

Indicator 6. Dying in Hospital

Dying in Hospital

- proportion of deaths in hospital

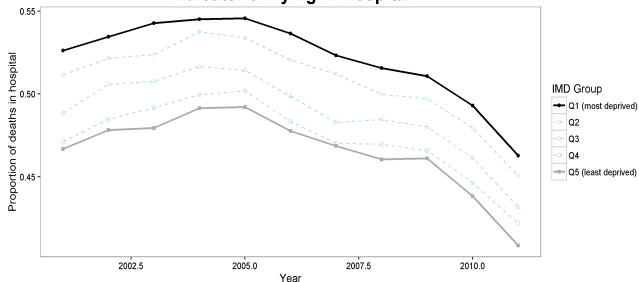
Equity scatterplot



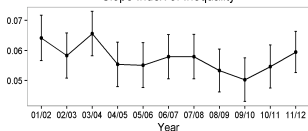
Indicator 6. Dying in Hospital: proportion of deaths in hospital

Equity trend chart

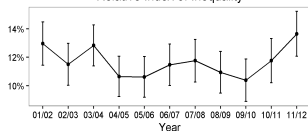
Indicator 6. Dying in Hospital



Slope Index of Inequality



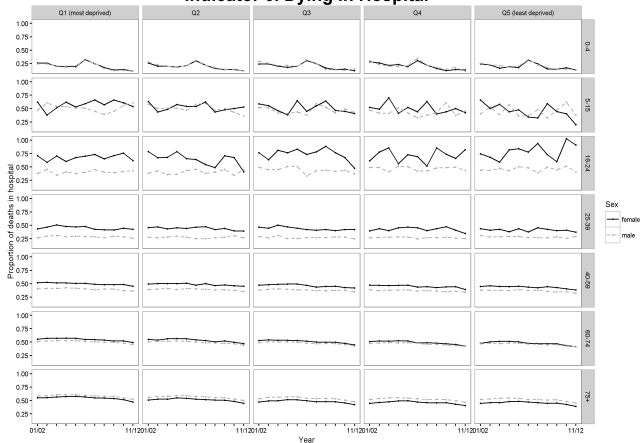
Relative Index of Inequality



Indicator 6. Dying in Hospital: proportion of deaths in hospital

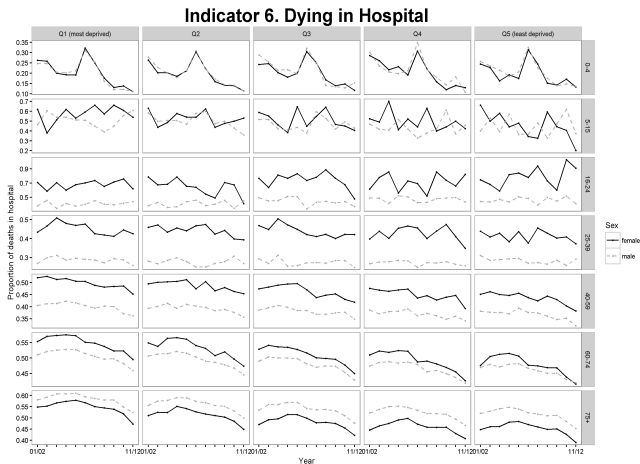
Equity matrix plot

Indicator 6. Dying in Hospital



Breakdown by age, sex, deprivation and year

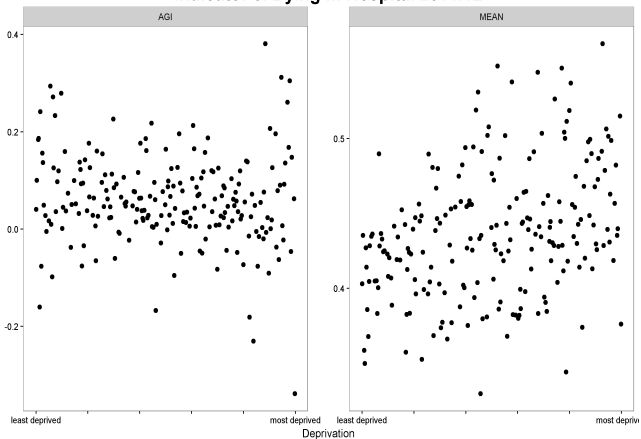
Equity matrix plot (free axis between age groups)



Breakdown by age, sex, deprivation and year

Equity correlation plot at CCG level

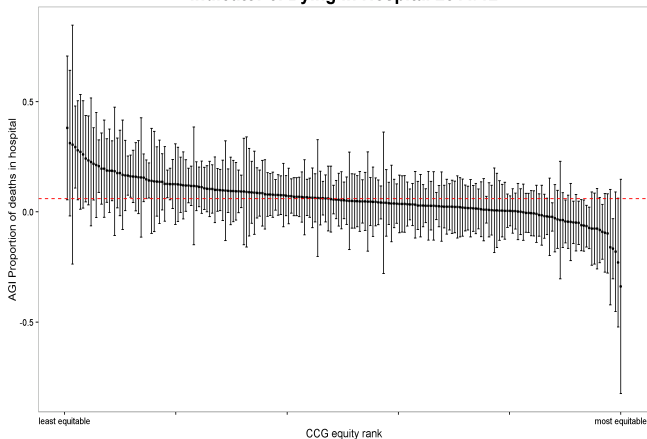
Indicator 6. Dying in Hospital 2011/12



Indicator 6. Dying in Hospital: proportion of deaths in hospital

Equity caterpillar plot at CCG level

Indicator 6. Dying in Hospital 2011/12



Indicator 6. Dying in Hospital: proportion of deaths in hospital

Top 10 CCGs (1 = best on equity)

Rank	CCG	SII	Significant
1	Bradford City	-0.34	FALSE
2	Lambeth	-0.23	FALSE
3	Lewisham	-0.18	FALSE
4	Thurrock	-0.17	TRUE
5	Rushcliffe	-0.16	FALSE
6	East Surrey	-0.10	FALSE
7	Isle of Wight	-0.10	FALSE
8	Wolverhampton	-0.09	TRUE
9	Greenwich	-0.08	FALSE
10	Luton	-0.08	FALSE

Table: Best performing CCGs in terms of SII: 2011

Bottom 10 CCGs (1 = worst on equity)

Rank	CCG	SII	Significant
1	Barking & Dagenham	0.38	FALSE
2	Islington	0.31	FALSE
3	Newham	0.30	FALSE
4	Harrogate and Rural District	0.29	TRUE
5	Kingston	0.28	FALSE
6	Newbury and District	0.27	FALSE
7	Tower Hamlets	0.26	FALSE
8	Guildford and Waverley	0.24	FALSE
9	Crawley	0.23	FALSE
10	Richmond	0.23	FALSE

Table: Worst performing CCGs in terms of SII: 2011

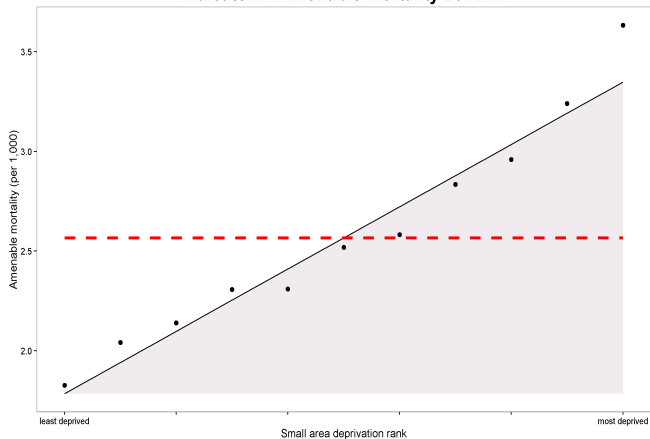
Indicator 7. Amenable Mortality

Amenable Mortality

- deaths per 1,000 population from causes considered amenable to health care
- adjusted for age and sex
- amenable defined according to the NHS outcomes framework definition for indicator: [NHS OF 1.1](#)

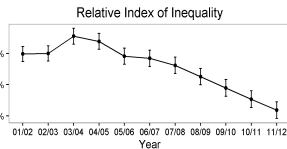
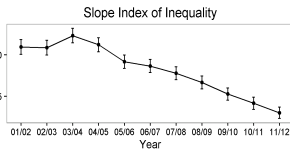
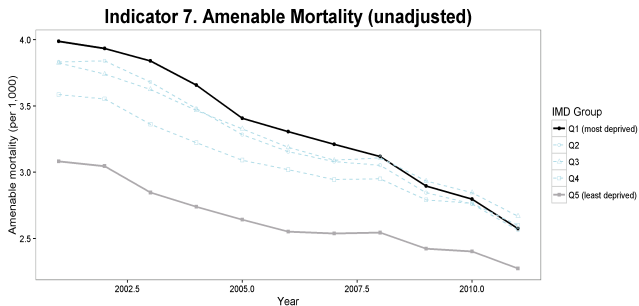
Equity scatterplot

Indicator 7. Amenable Mortality 2011/12



Indicator 7. Amenable Mortality: deaths per 1,000 population from causes amenable to health care adjusted for age and sex

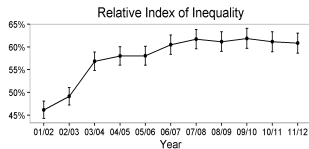
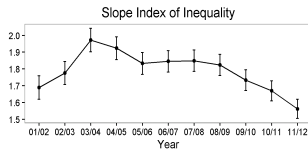
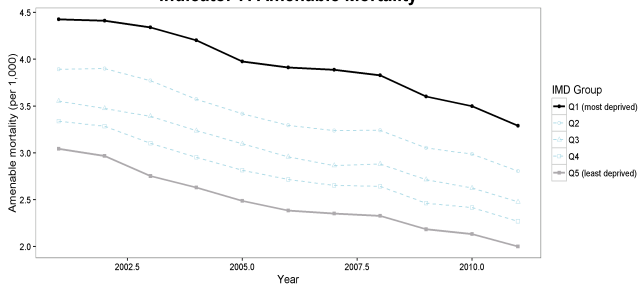
Equity trend chart unadjusted



Indicator 7. Amenable Mortality: deaths per 1,000 population from causes amenable to health care

Equity trend chart

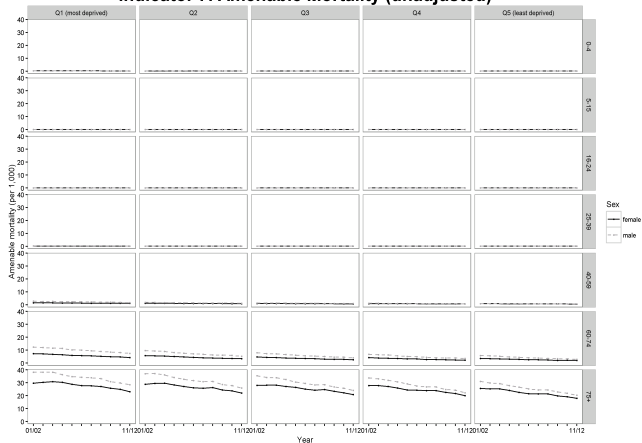
Indicator 7. Amenable Mortality



Indicator 7. Amenable Mortality: deaths per 1,000 population from causes amenable to health care adjusted for age and sex

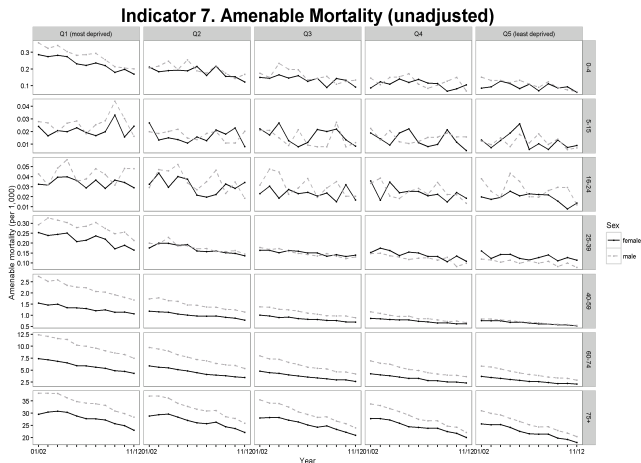
Equity matrix plot

Indicator 7. Amenable Mortality (unadjusted)



Breakdown by age, sex, deprivation and year

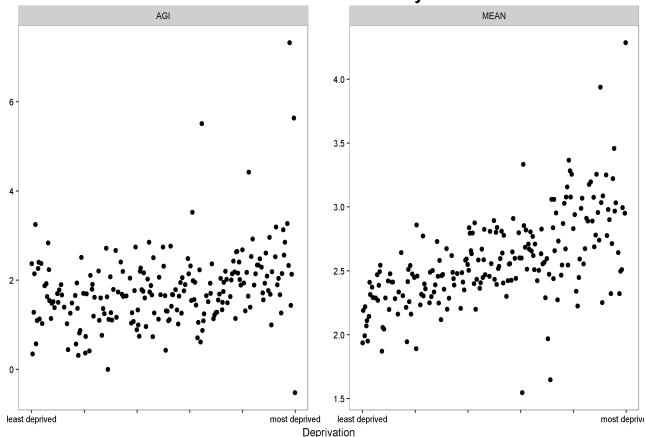
Equity matrix plot (free axis between age groups)



Breakdown by age, sex, deprivation and year

Equity correlation plot at CCG level

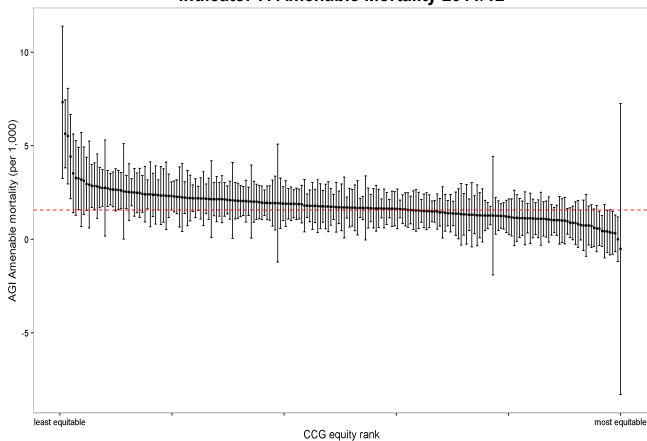
Indicator 7. Amenable Mortality 2011/12



Indicator 7. Amenable Mortality: deaths per 1,000 population from causes amenable to health care adjusted for age and sex

Equity caterpillar plot at CCG level

Indicator 7. Amenable Mortality 2011/12



Indicator 7. Amenable Mortality: deaths per 1,000 population from causes amenable to health care adjusted for age and sex

Top 10 CCGs (1 = best on equity)

Rank	CCG	SII	Significant
1	Bradford City	-0.52	FALSE
2	North Norfolk	-0.00	TRUE
3	South Norfolk	0.31	TRUE
4	Surrey Downs	0.34	TRUE
5	North & West Reading	0.36	FALSE
6	Merton	0.41	TRUE
7	Erewash	0.43	FALSE
8	Wiltshire	0.44	TRUE
9	Guildford and Waverley	0.57	FALSE
10	High Weald Lewes Havens	0.57	TRUE

Table: Best performing CCGs in terms of SII: 2011

Bottom 10 CCGs (1 = worst on equity)

Rank	CCG	SII	Significant
1	Newham	7.33	TRUE
2	North Manchester	5.64	TRUE
3	Slough	5.51	TRUE
4	Lewisham	4.42	TRUE
5	Scarborough and Ryedale	3.52	FALSE
6	Tower Hamlets	3.27	FALSE
7	Rushcliffe	3.25	TRUE
8	Waltham Forest	3.19	FALSE
9	Blackpool	3.13	FALSE
10	Blackburn with Darwen	2.96	FALSE

Table: Worst performing CCGs in terms of SII: 2011

Contents

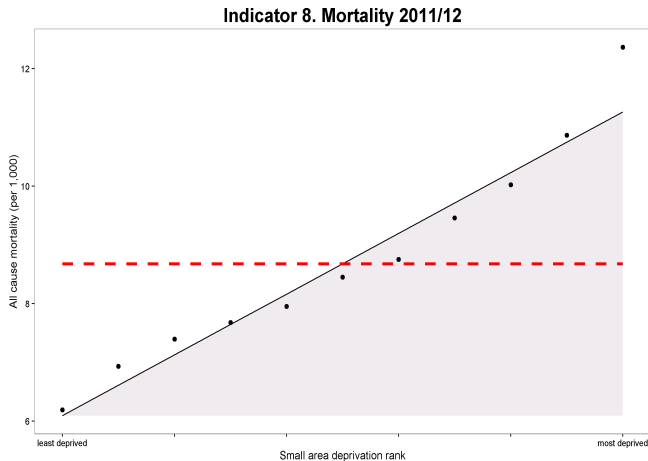
- 1 Background
- 2 Healthcare Access
- 3 Healthcare Outcomes
- 4 Health
 - 8. Mortality

Indicator 8. Mortality

Mortality

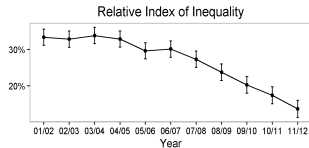
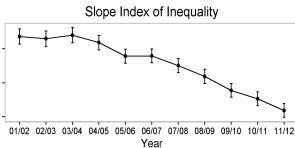
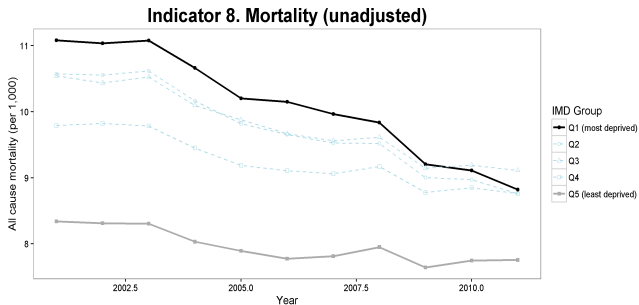
- deaths per 1,000 population from all causes at all ages
- adjusted for age and sex

Equity scatterplot



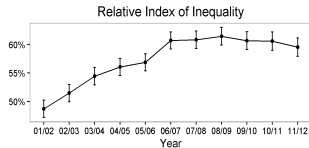
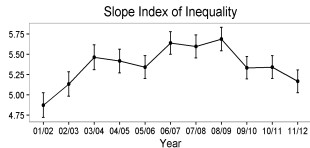
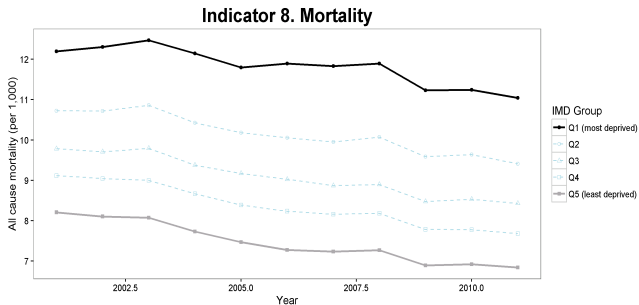
Indicator 8. Mortality: death rate per 1,000 population adjusted for age and sex

Equity trend chart unadjusted



Indicator 8. Mortality: deaths per 1,000 population from all causes at all ages

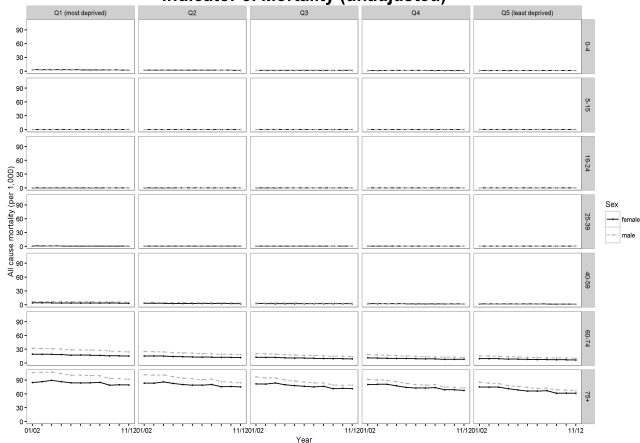
Equity trend chart



Indicator 8. Mortality: death rate per 1,000 population adjusted for age and sex

Equity matrix plot

Indicator 8. Mortality (unadjusted)



Breakdown by age, sex, deprivation and year

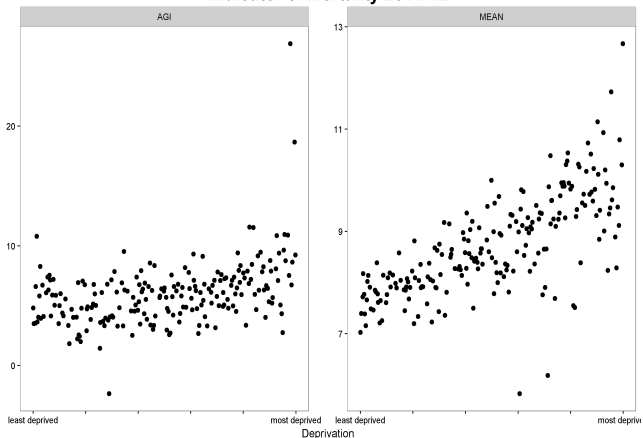
Equity matrix plot (free axis between age groups)



Breakdown by age, sex, deprivation and year

Equity correlation plot at CCG level

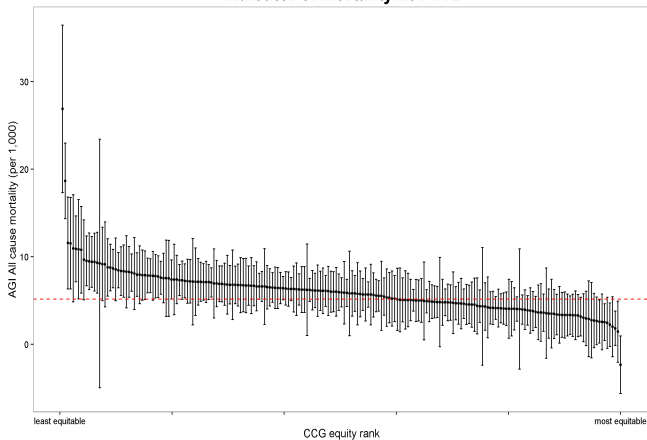
Indicator 8. Mortality 2011/12



Indicator 8. Mortality: death rate per 1,000 population adjusted for age and sex

Equity caterpillar plot at CCG level

Indicator 8. Mortality 2011/12



Indicator 8. Mortality: death rate per 1,000 population adjusted for age and sex

Top 10 CCGs (1 = best on equity)

Rank	CCG	SII	Significant
1	North Norfolk	-2.34	TRUE
2	Ashford	1.45	TRUE
3	Wiltshire	1.82	TRUE
4	Hambleton, Richmondshire and Whitby	2.00	FALSE
5	High Weald Lewes Havens	2.23	TRUE
6	South Norfolk	2.44	FALSE
7	South Eastern Hampshire	2.52	TRUE
8	South Lincolnshire	2.57	FALSE
9	Norwich	2.59	TRUE
10	Telford & Wrekin	2.67	FALSE

Table: Best performing CCGs in terms of SII: 2011

Bottom 10 CCGs (1 = worst on equity)

Rank	CCG	SII	Significant
1	Newham	26.90	TRUE
2	North Manchester	18.67	TRUE
3	Lewisham	11.58	TRUE
4	Lambeth	11.54	TRUE
5	Central Manchester	10.96	FALSE
6	Tower Hamlets	10.90	TRUE
7	Waltham Forest	10.86	TRUE
8	Rushcliffe	10.80	TRUE
9	Blackpool	9.65	FALSE
10	Southport and Formby	9.53	TRUE

Table: Worst performing CCGs in terms of SII: 2011

Appendix

Details of indicator definitions

NHS OF definition of ambulatory care sensitive conditions

NHS Outcomes Framework 2014/15: Domain 2 Appendices

Appendix 2 - Primary diagnoses for chronic ambulatory care sensitive conditions for indicator 2.3.i

ICD-10 codes	Condition group and cause
Infections	
B18.0, B18.1	Chronic viral hepatitis B without delta-agent (B18.0) and with delta-agent (B18.1) (excluding people with a secondary diagnosis of D57 (sickle-cell disorders))
Nutritional, endocrine and metabolic	
E10, E11, E12, E13, E14	Diabetes
Diseases of the blood	
D50.1, D50.8, D50.9, D51, D52	Iron deficiency anaemia: D50.1 Sideropenic dysphagia, D50.8 Other iron deficiency anaemias, D50.9 Iron deficiency anaemia, unspecified, D51 Vitamin B12 deficiency anaemia, D52 Folate deficiency anaemia
Mental and behavioural disorders	
F00, F01, F02, F03	Dementia
Neurological disorders	
G40, G41	Convulsions and Epilepsy
Cardiovascular diseases	
I11.0, I50, J81X, I13.0 (excluding OPCS4 codes: K0, K1, K2, K3, K4, K50, K52, K55, K56, K57, K60, K61, K66, K67, K68, K69, K71).	Congestive heart failure: I11.0 Hypertensive heart disease with (congestive) heart failure, I50 Heart failure, J81X Pulmonary oedema, I13.0 Hypertensive heart and renal disease with (congestive) heart failure.
I20, I25, OPCS4 codes excluded: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, V, W, X0, X1, X2, X4, X5	Angina
I10X, I11.9, OPCS4 codes excluded: K0, R1, K2, K3, K4, K50, K52, K55, K56, K57, K60, K61, K66, K67, K68, K69, K71	Hypertension
I48	Atrial fibrillation and flutter

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ICD-10 codes	Condition group and cause
Respiratory diseases	
J20, J41, J42X, J43, J44, J47X, J20 only with second diagnosis of J41, J42, J43, J44, J47	Chronic obstructive pulmonary disease
J45, J46X	Asthma (J45) and Status asthmaticus (J46)

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NHS OF definition of conditions amenable to healthcare (1/2)

NHS Outcomes Framework 2014/15: Domain 1 Appendices

Domain 1 Appendices

Appendix 1 – Causes considered amenable to healthcare used in the calculation of NHS Outcomes Framework indicators 1a, 1a.i and 1a.ii

ICD-10 codes	Condition group and cause	Ages included	Used in indicator
Infections			
A00 – A09	Intestinal infectious disease	0-14	Children's indicator (1a.ii) only
A15–A19, B90	Tuberculosis	0-74	All
A35 – A36, A80	Other infections (diphtheria, other tetanus, acute poliomyelitis)	0-19	Children's indicator (1a.ii) only
A37	Whooping cough	0-14	Children's indicator (1a.ii) only
A38–A41, A46, A48.1, B50–B54, G00, G03, J02, J03	Selected invasive bacterial and protozoal infections	0-74	All
B05	Measles	1-14	Children's indicator (1a.ii) only
B17.1, B18.2	Hepatitis C	0-74	All
B20–B24	HIV/AIDS	All ages	All
Neoplasms			
C18–C21	Malignant neoplasm of colon and rectum	0-74	All
C43	Malignant melanoma of skin	0-74	All
C44	Other malignant neoplasms of skin	0-19	Children's indicator (1a.ii) only
C50	Malignant neoplasm of breast	0-74	All

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NHS Outcomes Framework 2014/15: Domain 1 Appendices

ICD-10 codes	Condition group and cause	Ages included	Used in indicator
C53	Malignant neoplasm of cervix uteri	0-74	All
C54 – C55	Malignant neoplasms of corpus uteri and uterus unspecified	0-19	Children's indicator (1a.ii) only
C62	Malignant neoplasm of testis	0-19	Children's indicator (1a.ii) only
C67	Malignant neoplasm of bladder	0-74	All
C73	Malignant neoplasm of thyroid gland	0-74	All
C81	Hodgkin's disease	0-74	All
C91, C92.0	Leukaemia	0-44	All
D10–D36	Benign neoplasms	0-74	All
Nutritional, endocrine and metabolic			
E00 – E07	Disorders of thyroid gland	0-19	Children's indicator (1a.ii) only
E10–E14	Diabetes mellitus	0-49	All
Neurological disorders			
G40–G41	Epilepsy and status epilepticus	0-74	All
Cardiovascular diseases (CVD)			
I01–I09	Rheumatic and other valvular heart disease	0-74	All
I10–I15	Hypertensive diseases	0-74	All
I20–I25	Ischaemic heart disease	0-74	All
I60–I69	Cerebrovascular diseases	0-74	All
Respiratory diseases			
J09–J11	Influenza (including swine flu)	0-74	All
J12–J18	Pneumonia	0-74	All
J45–J46	Asthma	0-74	All

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NHS OF definition of conditions amenable to healthcare (2/2)

NHS Outcomes Framework 2014/15: Domain 1 Appendices

ICD-10 codes	Condition group and cause	Ages included	Used in Indicator
J00-J08, J09-J09, J47-J99	Other respiratory	1-14	Children's Indicator (1a.ii) only
Digestive disorders			
K25-K28	Gastric and duodenal ulcer	0-74	All
K35-K38, K40-K46, K50-K53, K55-K56.1, K66.0, K91.5	Acute abdomen, appendicitis, intestinal obstruction, cholecystitis / lithiasis, pancreatitis, hernia	0-74	All
Genitourinary disorders			
N00-N07, N17-N19, N25-N27	Nephritis and nephrosis	0-74	All
N13, N20-N21, N25, N40, N99.1	Obstructive uropathy & prostatic hyperplasia	0-74	All
Maternal & infant			
P00-P96, A33	Complications of perinatal period	All ages	All
Q00-Q99	Congenital malformations, deformations and chromosomal anomalies	0-74	All
O50 - O99	Pregnancy, childbirth and the puerperium	0-19	Children's Indicator (1a.ii) only
Injuries			
Y50-Y69, Y83-Y84	Misadventures to patients during surgical and medical care	All ages	All

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