

Table S1 - Associations of group 3 outcomes - those unrelated to prescribing or dispensing status

		Dispensing	Not dispensing	Adjusted	
	Indicator	Median % (IQR)	Median % (IQR)	OR (CI)	P-value
AF006	Percentage of patients with atrial fibrillation CHA2DS2-VASc score recorded in preceding 12 months (excluding those with previous CHADS2 or CHA2DS2-VASc \geq 2)	94.6(90.9, 97.0)	94.8(91.0, 98.0)	1.00 (0.92, 1.08)	0.98
HF002	Percentage of patients with heart failure confirmed echocardiogram or specialist assessment between 3 months before and 12 months after diagnosis	91.3 (87.2, 94.7)	92.1 (88.5, 96.0)	0.99 (0.87, 1.14)	0.93
STIA008	Percentage of patients with stroke or TIA referred for further investigation between 3 months before or 1 month after the latest recorded stroke or first TIA	84.2 (79.1, 90.1)	84.6 (78.6, 90.9)	1.04 (0.98, 1.1)	0.20
STIA009	Percentage of patients with stroke or TIA who have had influenza immunisation in the preceding 1 August to 31 March	77.4 (73.8, 81.3)	75.1 (69.6,80.3)	1.01 (0.98, 1.05)	0.49
DM012	Percentage of patients with diabetes with record of foot examination and risk classification within preceding 12 months	86.1 (81.3, 89.8)	84.4 (77.9, 89.1)	1.16 (1.1, 1.22)	< 0.001
DM014	Percentage of patients newly diagnosed with diabetes in preceding 1 April to 31 March referred to a structured education programme within 9 months of diagnosis	71.0 (48.5,85.0)	76.5(57.1, 88.9)	0.96 (0.86, 1.08)	0.52
DM018	Percentage of patients with diabetes who have had influenza immunisation in the preceding 1 August to 31 March	77.5 (74.0, 80.9)	75.3 (70.5, 79.6)	1.01 (0.98, 1.04)	0.49
AST002	Percentage of patients aged 8 or over with asthma, with measures of variability or reversibility recorded between 3 months before or any time after diagnosis	86.3 (81.0, 91.2)	85.4 (80.3, 90.6)	1.02 (0.97, 1.08)	0.49
AST003	Percentage of patients with asthma who have had an asthma review in the preceding 12 months including assessment of control using the 3 RCP questions	72.9 (68.5, 77.8)	72.9 (67.6, 77.6)	1.09 (1.05, 1.14)	< 0.001
AST004	Percentage of patients with asthma aged \geq 14 and < 20 for whom smoking status recorded in last 12 months	85.3 (80.0, 90.9)	87.1 (80.8,93.8)	1.09 (1.02, 1.17)	0.010
COPD002	Percentage of patients with COPD diagnosis confirmed by post bronchodilator spirometry between 3 months before and 12 months after diagnosis	82.4 (76.5, 87.9)	81.7 (75.5, 87.7)	1.09 (1.03, 1.15)	0.002
COPD003	Percentage of patients with COPD who have had a review including assessment of breathlessness using MRC dyspnoea scale in preceding 12 months	83.6 (77.2, 88.8)	83.1 (75.8, 88.9)	1.15 (1.08, 1.22)	< 0.001

COPD004	Percentage of patients with COPD with a record of FEV ₁ in the preceding 12 months	77.3 (69.2, 84.0)	75.0 (66.0, 83.0)	1.16 (1.09, 1.23)	< 0.001
COPD005	Percentage of patients with COPD and MRC dyspnoea grade ≥3 in preceding 12 months, with a record of oxygen saturation value within preceding 12 months	96.6 (93.6, 100)	96.6 (93.2, 100)	1.04 (0.95, 1.13)	0.44
COPD007	Percentage of patients with COPD who have had influenza immunisation in preceding 1 August to 31 March	82.0 (78.3, 86.1)	79.7 (74.9, 84.2)	1.01 (0.97, 1.04)	0.70
DEM004	Percentage of patients with dementia whose care plan has been reviewed face-to-face in preceding 12 months	80.0 (73.3, 86.3)	80.0 (72.7, 87.5)	1.09 (1.03,1.16)	0.005
DEM005	Percentage of patients with a new diagnosis of dementia with a record of FBC, calcium, glucose, renal and liver function, thyroid function tests, serum vitamin B12 and folate levels recorded between 12 months before or 6 months after diagnosis	70.0 (57.8, 81.9)	66.7 (55.6, 81.3)	1.10 (1.03, 1.17)	0.005
DEP003	Percentage of patients aged ≥18 with new diagnosis of depression reviewed not earlier than 10 days after and not later than 56 days after date of diagnosis	68.5 (61.5, 75.0)	66.7 (58.1, 73.6)	1.07 (1.01, 1.13)	0.028
MH002	Percentage of patients with schizophrenia, bipolar affective disorder and other psychoses who have a comprehensive care plan documented in preceding 12 months	83.3 (73.3, 89.7)	83.6 (74.3, 89.5)	1.11 (1.03, 1.21)	0.008
MH003	Percentage of patients with schizophrenia, bipolar affective disorder and other psychoses who have a record of blood pressure in the preceding 12 months	85.7 (79.5, 90.9)	84.2 (77.8, 89.7)	1.09 (1.03, 1.15)	0.003
MH007	Percentage of patients with schizophrenia, bipolar affective disorder and other psychoses who have a record of alcohol consumption in preceding 12 months	85.2 (75.3, 91.3)	85.7 (77.2, 91.4)	1.08 (1.00, 1.16)	0.059
MH008	Percentage of women aged ≥25 and <65 with schizophrenia, bipolar affective disorder and other psychoses with cervical screening in preceding 5 years	75.0 (66.7, 84.6)	71.2 (62.5, 80.0)	1.11 (1.05, 1.17)	<0.001
MH009	Percentage of patients on lithium therapy with a record of serum creatinine and TSH in preceding 9 months	100 (100, 100)	100 (93.3,100)	1.08 (0.91, 1.28)	0.39
MH010	Percentage of patients on lithium therapy with record of lithium levels in therapeutic range in preceding 4 months	91.7 (80.0,100)	88.9 (73.3, 100)	1.07 (0.96, 1.19)	0.22

CAN003	Percentage of patients with cancer who have a patient review recorded within 6 months of diagnosis	71.8 (61.1, 81.0)	73.0 (61.4, 83.3)	0.98 (0.92, 1.05)	0.65
RA002	Percentage of patients with rheumatoid arthritis who have had face-to-face review in preceding 12 months	89.7 (83.3, 93.3)	90.0 (83.3, 94.1)	1.16 (1.07, 1.26)	< 0.001
SMOK005	Percentage of patients with any of CHD, PAD, stroke or TIA, hypertension, diabetes, COPD, CKD, asthma, schizophrenia, bipolar affective disorder or other psychoses and current smokers with a record of offer of support and treatment within the preceding 12 months	97.2 (98.6, 95.1)	97.1 (95.0, 98.7)	1.11 (0.93, 1.32)	0.25