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Annex 1: NCRAS data equity pack, technical notes

CADEAS and NCRAS have produced two equity data packs presenting the latest national data on the number of urgent suspected two-week wait referrals and first definitive treatments for cancer. These data packs are produced on the basis of the Cancer Wait Times data, with analysis from Hospital Episode Statistics (HES) and other sources outlined in their technical notes.

"Any differences between treatment volumes in the published official statistics and the volumes presented in this pack are because:
- Data was extracted from the CWT system at a slightly different time.
- Data included here is based on England residents only.

Additional logic has been applied to remove treatments where some of the information required for this equity analysis is missing or there are potential data quality issues, for example cases with a mismatch between the suspected cancer referral type and sex (eg. gynaecological cancer treatments for men, testicular cancer treatments for women), and suspected cancer referral type and age (eg. suspected children's cancer for patients aged 20 and over)." – NCRAS Cancer data equity pack technical notes, final tab within the downloaded spreadsheet. Available under "Links to data": http://www.ncin.org.uk/local_cancer_intelligence/cadeas as at 26/01/2022

Annex 2: Consultation definition

CPRD Aurum data dictionary sets out the structure of the data. Within the consultation file there are two variables one can use to identify whether a primary care contact, rather than an administrative note ("EMIS® consultation source identifier" and "Consultation source code identifier").

The EMIS consultation source identifier is the primary variable used. We include the following observations of this variable:

Acute visit, Casualty attendance, Clinic, Emergency appointment, Emergency consultation, Enterprise consultation, Face to face consultation, Follow-up/routine visit, Gp surgery, Home visit, Home visit note, Main surgery, Nursing home, Nursing home visit note, Online services message, Other, Residential home, Residential home visit note, Same day appointment, Surgery consultation, Telephone encounter, Urgent consultation, Walk-in centre, Walk-in clinic

We also include instances where EMIS consultation source identifier is "awaiting review" and the Consultation source code identifier is in the following list:

Consultation, visit, seen in gp unit, seen in private clinic, seen in rapid access clinic at gp surgery, seen in urgent care centre, online communication.

We then further exclude records on the basis of the category of staff responsible for the record. The "Job category" variable from the staff file, linked by the consultation id is used. We only include as a consultation records filled out by GPs, doctors, nurses and other health care professionals as defined in CPRD's numerical codes listed below:

GP – 4, 5, 15, 24, 31, 181, 183

Dr – 1, 41, 91, 116, 119, 121, 126, 173, 177, 197

Nurse – 8, 9, 27, 33, 47, 48, 50, 55, 59, 60, 61, 111

Other healthcare professional - 2, 3, 6, 7, 10:14, 16, 17, 34:37, 42, 43, 52, 54, 58, 62:65, 68, 72, 73, 77, 80, 82, 83, 86:89, 94, 95, 97, 100:102, 105, 106, 112:114, 118, 122, 125, 127, 131, 135, 136, 138, 141, 142, 145, 148, 149, 154, 156, 158, 168, 185, 186, 188, 189, 204, 208

In Table A2.1 we present the CPRD Aurum Staff Category list.

In Table A2.2 we present the total number of consultations identified from 01 January 2016 to 31 January 2021, the count with each combination of staff category, "EMIS® consultation source identifier" and "Consultation source code identifier" in Table A2.2 we show the count of records that were excluded, highlighting those that were excluded on the basis of staff category, not the consultation file description variables.

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Table A2.1: CPRD Aurum Staff Job Categories

1 Consultant	51 Helper/Assistant
2 Hospital Practitioner	52 Community Mental Health Nurse
3 Clinical Medical Officer	53 Senior Administrator
4 General Medical Practitioner	54 Technician - Healthcare Scientists
5 Salaried General Practitioner	55 Associate Practitioner - Nurse
6 Midwife - Sister/Charge Nurse	56 Senior Manager
7 Midwife	57 Community Administrator
8 Community Practitioner	58 Associate Specialist
9 Community Nurse	59 Student Practice Nurse
10 Chiropodist/Podiatrist	60 Nurse Manager
11 Dietitian	61 Sister/Charge Nurse
12 Pharmacist	62 Psychotherapist
13 Clinical Psychologist	63 Osteopath
14 Health Care Support Worker	64 Social Care Support Worker
15 Associate Practitioner - General Practitioner	65 Assistant Psychologist
16 Counsellor	66 Officer
17 Phlebotomist	67 Technician - Admin & Clerical
18 Clerical Worker	68 Psychiatrist
19 Manager	69 Health Records Clerk
20 Analyst	70 Desktop Support Technician
21 System Administrator	71 Dispenser
22 Desktop Support Administrator	72 Clinical Assistant
23 System Worker	73 Practitioner
24 GP Registrar	74 Information Officer
25 Medical Student	75 Network Administrator
26 Other Community Health Service - Admin Clerk	76 Chaplain
27 Specialist Nurse Practitioner	77 Student Physiotherapist
28 Receptionist	78 Paramedic Specialist Practitioner
29 Secretary	79 Clinical Team Manager
30 Medical Secretary	80 Physiotherapist Specialist Practitioner
31 Sessional GP	81 Helpdesk Technician
32 Clinical Application Administrator	82 Radiographer
33 Nurse Consultant	83 Other Community Health Service
34 Physiotherapist	84 Call Operator
35 Specialist Practitioner	85 Community Worker (children)
36 Healthcare Assistant	86 Paramedic Consultant
37 Medical Technical Officer - Pharmacy	87 Associate Practitioner
38 Health Records Administrator	88 Modern Matron
39 Helpdesk Administrator	89 Asst. Clinical Medical Officer
40 Appointments Clerk	90 Community Team Manager
41 Senior House Officer	91 Specialist Registrar
42 Social Worker	92 Chiropodist/Podiatrist Manager
43 Trainee Practitioner	93 Radiographer - Therapeutic, Manager
44 Network Technician	94 Optometrist
45 Clinical Coder	95 Assistant Practitioner
46 Medical Records Clerk	96 Community Learning Disabilities Nurse
47 Staff Nurse	97 Technician - Additional Clinical Services
48 Enrolled Nurse	98 Student Health Visitor
49 Multi Therapist	99 Interpreter
50 Nursery Nurse	100 Medical Technical Officer

101 Midwife - Specialist Practitioner
102 Occupational Therapist
103 Chief Executive
104 Audit Manager
105 Paramedic
106 Physiotherapist Consultant
107 Availability Monitor
108 Medical Laboratory Assistant
109 Gateway Worker
110 Medical Records Manager
111 Student Nurse - Adult Branch
112 Audiologist
113 Radiographer - Diagnostic
114 Therapist
115 Student District Nurse
116 House Officer - Post Registration
117 Speech & Language Therapist
118 Dietitian Specialist Practitioner
119 Trust Grade Doctor - SHO level
120 Director of Public Health
121 Staff Grade
122 Patient Welfare Officer
123 Occupational Therapy Specialist Practitioner
124 Technician - PS&T
125 Chiropodist/Podiatrist Consultant
126 Trust Grade Doctor - Career Grade level
127 Student Community Practitioner
128 Healthcare Scientist
129 Waiting List Clerk
130 Clinical Director
131 Pre-reg Pharmacist
132 Mental Health Act Administrator
133 Ward Clerk
134 Support, Time, Recovery Worker
135 Art Therapist Specialist Practitioner
136 Physiotherapist Manager
137 Healthcare Cadet
138 Dietitian Consultant
139 Orthoptist Manager
140 Social work assistant (mental health)
141 Chiropodist/Podiatrist Specialist Practitioner
142 Student Technician
143 Complaints Investigator
144 Trainee Scientist
145 Radiographer - Diagnostic, Manager
146 Social services care manager (mental health)
147 Dietitian Manager
148 Midwife - Consultant
149 Art Therapist Consultant
150 Paramedic Manager

151 Finance Director
152 Senior social worker (adults)
153 Student Midwife
154 Radiologist
155 Ward Manager
156 Midwife - Manager
157 Waiting List Manager
158 Radiographer - Diagnostic, Specialist Practitioner
159 Biomedical Scientist
160 Board Level Director
161 Non Executive Director
162 Nursing Cadet
163 Porter
164 Social services care manager (adults)
165 Student Psychotherapist
166 Orthoptist
167 Clinical Director - Medical
168 Approved Social Worker
169 Student Community Mental Health Nurse
170 Other Executive Director
171 Student Orthoptist
172 Childcare Co-ordinator
173 House Officer - Pre Registration
174 SODP
175 Outpatient Manager
176 Medical Director
177 Trust Grade Doctor - Specialist Registrar level
178 Senior Clinical Medical Officer
179 Consultant Healthcare Scientist
180 Reporting Radiographer
181 Locum GP
182 Researcher
183 Assistant GP
184 Special salary scale in Public Health Medicine
185 Advanced Practitioner
186 Health Visitor
187 Dental Assistant Clinical Director
188 Other Community Health Service - Social Care Worker
189 Physician Assistant
190 Deputising Doctor
191 Student Occupational Health Nurse
192 Senior social worker (mental health)
193 Regional Dental Officer
194 Trainer
195 Cytoscreener
196 Chair
197 Trust Grade Doctor - House Officer level
198 Art Therapist
199 Multi Therapist Specialist Practitioner
200 Drama Therapist

201 Healthcare Science Assistant
202 Social work assistant (adults)
203 Social work team manager (adults)

204 Intermediate Care worker
205 Student Occupational Therapist
206 Student Dietitian
207 Healthcare Science Associate
208 Child Protection worker
209 Professor
210 General Dental Practitioner
211 Student School Nurse
212 Occupational Therapist Consultant
213 Intermediate Care staff
214 Home help
215 Art, Music & Drama Student
216 Specialist Healthcare Scientist
217 Social Services information manager

Table A2.2: Number of observations by EMIS® consultation source identifier, Consultation source code identifier and Staff Job Category, with an indicator for whether it was included as a consultation: Include: 1 = Include, 0 = Exclude, "Excl. job title" = Excluded on the basis of job title.

Include	Staff Job Category	Consultation source code identifier	EMIS consultation source identifier	Count
1	gp	gp surgery	gp surgery	3,119,080
1	nurse	gp surgery	gp surgery	1,692,606
1	gp	telephone consultation	telephone consultation	1,471,946
1	other care provider	gp surgery	gp surgery	977,067
1	nurse	telephone consultation	telephone consultation	196,665
1	gp	telephone call to a patient	telephone call to a patient	108,025
1	gp	home visit note	home visit note	83,600
1	other care provider	telephone consultation	telephone consultation	81,980
1	nurse	telephone call to a patient	telephone call to a patient	32,423
1	gp	face to face consultation	face to face consultation	25,435
1	nurse	home visit note	home visit note	24,174
1	other care provider	telephone call to a patient	telephone call to a patient	23,194
1	gp	gp surgery	surgery consultation	22,756

1	gp	nursing home visit note	nursing home visit note	21,357
1	nurse	face to face consultation	face to face consultation	17,580
1	gp	enterprise consultation	enterprise consultation	14,904
1	gp	telephone call from a patient	telephone call from a patient	13,062
1	gp	routine consultation	surgery consultation	11,668
1	other care provider	home visit note	home visit note	10,853
1	gp	provision of general practitioner intermediate care	gp surgery	10,441
1	gp	emergency consultation	emergency consultation	10,351
1	gp	residential home visit note	residential home visit note	9,579
1	other care provider	face to face consultation	face to face consultation	9,350
1	gp	emergency appointment	emergency appointment	8,687
1	gp	urgent consultation	urgent consultation	8,155
1	gp	walk-in clinic	walk-in clinic	7,908
1	dr	gp surgery	gp surgery	7,654
1	gp	other note	other	7,520
1	gp	face to face consultation	surgery consultation	6,932
1	nurse	gp surgery	surgery consultation	5,318
1	gp	seen in gp unit	surgery consultation	4,687
1	gp	consultation via video conference	awaiting review	4,653
1	nurse	enterprise consultation	enterprise consultation	4,460
1	other care provider	provision of general practitioner intermediate care	gp surgery	4,369
1	gp	clinic note	surgery consultation	3,823
1	nurse	residential home visit note	residential home visit note	3,612
1	nurse	clinic note	clinic	3,585
1	nurse	nursing home visit note	nursing home visit note	3,528
1	nurse	face to face consultation	surgery consultation	3,442
1	gp	online communication	awaiting review	3,410
1	other care provider	other note	other	3,406
1	other care provider	seen in gp unit	gp surgery	2,781
1	gp	e-mail consultation	awaiting review	2,523
1	nurse	other note	other	2,449
1	other care provider	gp surgery	surgery consultation	2,334
1	other care provider	enterprise consultation	enterprise consultation	2,318
1	other care provider	telephone call from a patient	telephone call from a patient	2,211
1	nurse	telephone call from a patient	telephone call from a patient	2,183
1	gp	routine consultation	awaiting review	2,117
1	nurse	emergency appointment	emergency appointment	2,041
1	gp	home visit note	home visit	2,021
1	gp	seen in gp unit	gp surgery	1,896
1	nurse	provision of general practitioner intermediate care	gp surgery	1,762

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1	other care provider	clinic note	clinic	1,699
1	nurse	clinic note	surgery consultation	1,628
1	gp	clinic note	clinic	1,623
1	nurse	routine consultation	surgery consultation	1,578
1	nurse	seen in gp unit	surgery consultation	1,426
1	nurse	walk-in clinic	walk-in clinic	1,412
1	nurse	gp surgery	clinic	1,355
1	other care provider	routine consultation	other	1,303
1	other care provider	clinic note	surgery consultation	1,297
1	gp	face to face consultation	emergency consultation	1,292
1	other care provider	walk-in clinic	walk-in clinic	1,216
1	gp	telephone encounter	telephone encounter	1,184
1	gp	online communication	online services message	1,139
1	gp	other consultation medium used	awaiting review	1,134
1	other care provider	residential home visit note	residential home visit note	1,113
1	nurse	seen in gp unit	gp surgery	1,103
1	other care provider	nursing home visit note	nursing home visit note	1,081
1	other care provider	face to face consultation	surgery consultation	1,045
1	other care provider	seen in gp unit	surgery consultation	1,043
1	nurse	emergency consultation	emergency consultation	1,024
1	nurse	urgent consultation	urgent consultation	959
1	gp	extended hours consultation	awaiting review	924
1	gp	routine consultation	other	922
1	gp	home visit note	other	835
1	gp	gp surgery	face to face consultation	808
1	other care provider	gp surgery	clinic	746
1	other care provider	routine consultation	surgery consultation	738
1	gp	consultation via multimedia	awaiting review	734
1	gp	face to face consultation with relative/carer	awaiting review	669
1	nurse	e-mail consultation	awaiting review	638
1	nurse	routine consultation	awaiting review	574
1	nurse	consultation via video conference	awaiting review	505
1	nurse	routine consultation	other	478
1	other care provider	online communication	awaiting review	473
1	nurse	same day appointment	same day appointment	468
1	gp	face to face consultation	gp surgery	461
1	gp	same day appointment	same day appointment	457
1	nurse	gp surgery	face to face consultation	455
1	gp	telephone encounter	telephone consultation	429
1	nurse	face to face consultation	emergency consultation	420

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1	gp	group consultation	awaiting review	402
1	nurse	home visit note	other	402
1	nurse	seen in urgent care centre	awaiting review	344
1	gp	face to face consultation	emergency appointment	330
1	gp	seen in urgent care centre	awaiting review	322
1	nurse	telephone encounter	telephone encounter	314
1	other care provider	consultation via video conference	awaiting review	288
1	gp	telephone consultation	telephone call to a patient	287
1	dr	telephone consultation	telephone consultation	279
1	nurse	online communication	awaiting review	279
1	other care provider	face to face consultation	awaiting review	272
1	other care provider	home visit note	home visit	262
1	other care provider	routine consultation	awaiting review	260
1	nurse	home visit note	home visit	246
1	gp	consultation via sms text message	awaiting review	244
1	other care provider	online communication	online services message	241
1	other care provider	emergency consultation	emergency consultation	235
1	other care provider	emergency appointment	emergency appointment	231
1	gp	telephone encounter	telephone call to a patient	226
1	gp	residential home visit note	residential home	225
1	gp	face to face consultation	awaiting review	224
1	nurse	face to face consultation	gp surgery	221
1	other care provider	gp surgery	face to face consultation	209
1	nurse	extended hours consultation	awaiting review	186
1	gp	seen in rapid access clinic at gp surgery	awaiting review	182
1	gp	school visit note	awaiting review	181
1	other care provider	telephone consultation	telephone call to a patient	179
1	nurse	face to face consultation	awaiting review	166
1	gp	home visit note	acute visit	153
1	nurse	online communication	online services message	145
1	other care provider	group consultation	awaiting review	133
1	gp	seen in gp unit	awaiting review	129
1	dr	clinic note	surgery consultation	125
1	other care provider	telephone encounter	telephone encounter	119
1	other care provider	extended hours consultation	awaiting review	116
1	nurse	face to face consultation with relative/carer	awaiting review	115
1	nurse	seen in gp unit	awaiting review	109
1	gp	night visit note	awaiting review	108

1	nurse	school visit note	awaiting review	107
1	nurse	group consultation	awaiting review	102
1	gp	other consultation medium used	other	99
1	gp	children's home visit note	awaiting review	95
1	gp	telephone consultation	telephone call from a patient	94
1	gp	administration note	other	91
1	nurse	telephone encounter	telephone call to a patient	86
1	other care provider	e-mail consultation	awaiting review	71
1	nurse	consultation via multimedia	awaiting review	65
1	gp	gp surgery	clinic	63
1	nurse	telephone consultation	telephone call to a patient	63
1	other care provider	face to face consultation with relative/carer	awaiting review	62
1	gp	consultation via telemedicine web camera	awaiting review	61
1	dr	telephone call to a patient	telephone call to a patient	60
1	nurse	laboratory result	clinic	55
1	other care provider	other consultation medium used	awaiting review	53
1	nurse	other consultation medium used	awaiting review	51
1	nurse	district nurse visit	awaiting review	48
1	gp	clinic note	gp surgery	47
1	other care provider	clinic note	gp surgery	45
1	other care provider	urgent consultation	urgent consultation	42
1	other care provider	home visit note	other	41
1	other care provider	laboratory result	clinic	40
1	gp	laboratory result	acute visit	39
1	dr	home visit note	home visit note	38
1	other care provider	telephone encounter	telephone call to a patient	38
1	nurse	telephone encounter	telephone consultation	33
1	other care provider	consultation via sms text message	awaiting review	28
1	gp	walk-in clinic	walk-in centre	27
1	nurse	walk-in clinic	walk-in centre	27
1	other care provider	walk-in clinic	clinic	27
1	nurse	children's home visit note	awaiting review	25
1	gp	gp surgery	main surgery	24
1	nurse	residential home visit note	residential home	22
1	other care provider	seen in urgent care centre	awaiting review	22
1	nurse	night visit note	awaiting review	20
1	other care provider	children's home visit note	awaiting review	19
1	other care provider	consultation via multimedia	awaiting review	19

1	gp	home visit note	nursing home visit note	17
1	gp	nursing home visit note	nursing home	17
1	gp	residential home visit note	nursing home	15
1	other care provider	face to face consultation	gp surgery	14
1	other care provider	night visit note	awaiting review	14
1	other care provider	other consultation medium used	other	14
1	nurse	clinic note	gp surgery	13
1	nurse	walk-in clinic	clinic	13
1	nurse	home visit note	acute visit	10
1	nurse	consultation via sms text message	awaiting review	< 10
1	nurse	consultation via telemedicine web camera	awaiting review	< 10
1	dr	consultation via video conference	awaiting review	< 10
1	dr	nursing home visit note	nursing home visit note	< 10
1	other care provider	home visit note	nursing home visit note	< 10
1	dr	other note	other	< 10
1	gp	telephone encounter	telephone call from a patient	< 10
1	gp	twilight visit note	awaiting review	< 10
1	other care provider	laboratory result	acute visit	< 10
1	dr	face to face consultation	face to face consultation	< 10
1	gp	home visit note	follow-up/routine visit	< 10
1	gp	other consultation medium used	casualty attendance	< 10
1	other care provider	home visit note	residential home visit note	< 10
1	other care provider	other note	gp surgery	< 10
1	gp	home visit note	awaiting review	< 10
1	gp	non-consultation medication data	awaiting review	< 10
1	gp	remote consultation	awaiting review	< 10
1	gp	third party consultation	casualty attendance	< 10
1	nurse	home visit note	follow-up/routine visit	< 10
1	nurse	telephone encounter	telephone call from a patient	< 10
1	nurse	third party consultation	casualty attendance	< 10
1	dr	enterprise consultation	enterprise consultation	< 10
1	dr	telephone call from a patient	telephone call from a patient	< 10
1	gp	district nurse visit	awaiting review	< 10
1	gp	e-mail received from patient	acute visit	< 10
1	gp	hospital outpatient report	casualty attendance	< 10
1	gp	joint consultation	awaiting review	< 10
1	gp	pharmacy consultation	awaiting review	< 10
1	gp	telephone call to a patient	telephone consultation	< 10
1	nurse	administration note	other	< 10
1	nurse	face to face consultation	emergency appointment	< 10
1	other care provider	consultation via telemedicine web camera	awaiting review	< 10

1	other care provider	face to face consultation	emergency appointment	< 10
1	other care provider	face to face consultation	emergency consultation	< 10
1	other care provider	home visit note	acute visit	< 10
1	other care provider	pharmacy consultation	awaiting review	< 10
1	other care provider	residential home visit note	residential home	< 10
1	other care provider	telephone encounter	telephone consultation	< 10
1	dr	group consultation	awaiting review	< 10
1	dr	home visit note	acute visit	< 10
1	gp	clinic note	follow-up/routine visit	< 10
1	gp	emergency consultation	casualty attendance	< 10
1	gp	home visit note	nursing home	< 10
1	nurse	seen in rapid access clinic at gp surgery	awaiting review	< 10
1	nurse	telephone consultation	telephone call from a patient	< 10
1	nurse	twilight visit note	awaiting review	< 10
1	other care provider	administration note	other	< 10
1	other care provider	children's home visit note	clinic	< 10
1	other care provider	home visit note	awaiting review	< 10
1	other care provider	twilight visit note	awaiting review	< 10
excl. job cat		gp surgery	gp surgery	875,291
excl. job cat		other note	other	31,332
excl. job cat		telephone consultation	telephone consultation	29,455
excl. job cat		online communication	online services message	14,055
excl. job cat		telephone call to a patient	telephone call to a patient	13,935
excl. job cat		provision of general practitioner intermediate care	gp surgery	9,791
excl. job cat		telephone call from a patient	telephone call from a patient	7,098
excl. job cat		seen in gp unit	gp surgery	6,240
excl. job cat		home visit note	home visit note	4,776
excl. job cat		routine consultation	other	4,248
excl. job cat		gp surgery	surgery consultation	3,047
excl. job cat		home visit note	other	2,664
excl. job cat		face to face consultation	face to face consultation	2,071
excl. job cat		face to face consultation	surgery consultation	1,177
excl. job cat		online communication	awaiting review	1,098
excl. job cat		nursing home visit note	nursing home visit note	708
excl. job cat		routine consultation	surgery consultation	509
excl. job cat		consultation via video conference	awaiting review	494
excl. job cat		routine consultation	awaiting review	453
excl. job cat		enterprise consultation	enterprise consultation	398
excl. job cat		administration note	other	376
excl. job cat		telephone encounter	telephone encounter	376

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excl. job cat		home visit note	awaiting review	371
excl. job cat		clinic note	clinic	337
excl. job cat		clinic note	surgery consultation	329
excl. job cat		residential home visit note	residential home visit note	327
excl. job cat		face to face consultation	gp surgery	305
excl. job cat		face to face consultation	awaiting review	293
excl. job cat		home visit note	home visit	250
excl. job cat		urgent consultation	urgent consultation	240
excl. job cat		walk-in clinic	walk-in clinic	196
excl. job cat		group consultation	awaiting review	170
excl. job cat		seen in gp unit	surgery consultation	148
excl. job cat		e-mail consultation	awaiting review	145
excl. job cat		emergency consultation	emergency consultation	121
excl. job cat		face to face consultation with relative/carer	awaiting review	116
excl. job cat		consultation via multimedia	awaiting review	75
excl. job cat		seen in gp unit	awaiting review	75
excl. job cat		children's home visit note	awaiting review	63
excl. job cat		other note	gp surgery	54
excl. job cat		other consultation medium used	other	44
excl. job cat		other consultation medium used	awaiting review	42
excl. job cat		extended hours consultation	awaiting review	37
excl. job cat		gp surgery	face to face consultation	36
excl. job cat		emergency appointment	emergency appointment	35
excl. job cat		gp surgery	clinic	32
excl. job cat		face to face consultation	emergency consultation	25
excl. job cat		residential home visit note	residential home	23
excl. job cat		telephone encounter	telephone call to a patient	23
excl. job cat		night visit note	awaiting review	14
excl. job cat		home visit note	acute visit	13
excl. job cat		walk-in clinic	walk-in centre	11
excl. job cat		district nurse visit	awaiting review	< 10
excl. job cat		seen in urgent care centre	awaiting review	< 10
excl. job cat		twilight visit note	awaiting review	< 10
excl. job cat		clinic note	gp surgery	< 10
excl. job cat		laboratory result	acute visit	< 10
excl. job cat		telephone consultation	telephone call to a patient	< 10
excl. job cat		walk-in clinic	clinic	< 10
excl. job cat		telephone encounter	telephone call from a patient	< 10
excl. job cat		emergency consultation	casualty attendance	< 10
excl. job cat		pharmacy consultation	awaiting review	< 10
excl. job cat		third party consultation	casualty attendance	< 10
excl. job cat		case conference	gp surgery	< 10
excl. job cat		emergency consultation	awaiting review	< 10
excl. job cat		gp surgery	main surgery	< 10
excl. job cat		home visit note	follow-up/routine visit	< 10
excl. job cat		non-consultation medication data	casualty attendance	< 10
excl. job cat		nursing home visit note	nursing home	< 10

excl. job cat		remote consultation	awaiting review	< 10
excl. job cat		same day appointment	same day appointment	< 10
excl. job cat		school visit note	awaiting review	< 10
excl. job cat		telephone consultation	awaiting review	< 10
excl. job cat		telephone encounter	telephone consultation	< 10
excl. job cat		third party consultation	awaiting review	< 10
0	gp	externally entered note	externally entered	3,467,397
0		scanned document	docman	3,183,781
0		administration note	administration note	968,767
0				737,843
0		scanned document	scanned document	727,269
0	gp	administration note	administration note	725,612
0		inbound document	inbound document	402,647
0		awaiting clinical code migration to emis web	awaiting review	385,598
0	nurse	externally entered note	externally entered	303,830
0	gp	awaiting clinical code migration to emis web	awaiting review	261,627
0		administration note	administration	256,604
0	other care provider	scanned document	docman	255,022
0		externally entered note	externally entered	252,167
0	gp			208,462
0	gp	outbound referral	outbound referral	197,534
0	gp	awaiting clinical code migration to emis web	gp surgery	162,048
0	other care provider	administration note	administration note	160,918
0		awaiting clinical code migration to emis web	third party consultation	147,374
0	gp	scanned document	scanned document	145,355
0		awaiting clinical code migration to emis web	gp surgery	127,041
0	gp	awaiting clinical code migration to emis web	results recording	122,118
0		awaiting clinical code migration to emis web	other	121,401
0	gp	awaiting clinical code migration to emis web	surgery consultation	107,304
0		awaiting clinical code migration to emis web		104,693
0	gp	inbound document	inbound document	102,534
0	nurse	awaiting clinical code migration to emis web	awaiting review	94,158
0	other care provider	awaiting clinical code migration to emis web	gp surgery	86,398
0	other care provider	awaiting clinical code migration to emis web	awaiting review	85,745
0	nurse	administration note	administration note	84,051
0	gp	awaiting clinical code migration to emis web		77,585
0	nurse	awaiting clinical code migration to emis web	gp surgery	75,552

0	other care provider			66,366
0	other care provider	externally entered note	externally entered	62,810
0		externally entered note	externally entered note	61,848
0		awaiting clinical code migration to emis web	repeat issue	61,683
0	nurse			58,019
0	gp	telephone triage encounter	telephone triage encounter	50,662
0		third party consultation	third party consultation	44,609
0	other care provider	scanned document	scanned document	38,341
0	nurse	awaiting clinical code migration to emis web		35,376
0	nurse	awaiting clinical code migration to emis web	surgery consultation	27,699
0	gp	administration note	administration	27,390
0	gp	awaiting clinical code migration to emis web	telephone consultation	26,214
0	gp	awaiting clinical code migration to emis web	other	26,204
0		awaiting clinical code migration to emis web	scanned document	25,627
0		awaiting clinical code migration to emis web	administration note	24,458
0		gp surgery	awaiting review	24,337
0		awaiting clinical code migration to emis web	touchscreen	24,311
0	gp	third party consultation	third party consultation	23,952
0		awaiting clinical code migration to emis web	patientchase insert	22,515
0	gp	laboratory result	results recording	22,066
0	gp	externally entered note	externally entered note	20,864
0	gp	awaiting clinical code migration to emis web	administration note	20,729
0	other care provider	inbound document	inbound document	20,159
0	gp	telephone call to relative/carer	telephone call to relative/carer	19,234
0	other care provider	awaiting clinical code migration to emis web		17,081
0		awaiting clinical code migration to emis web	surgery consultation	15,972
0	nurse	awaiting clinical code migration to emis web	clinic	15,892
0	gp	other note	other note	15,816
0	gp	gp surgery	awaiting review	15,810
0	gp	discussion with colleague	discussion with colleague	12,973
0	gp	awaiting clinical code migration to emis web	telephone call to a patient	11,782
0		repeat prescription	repeat issue	11,542
0	other care provider	administration note	administration	11,037
0	nurse	awaiting clinical code migration to emis web	other	11,008

0		hospital outpatient report	hospital outpatient report	10,033
0	nurse	inbound document	inbound document	9,304
0	nurse	scanned document	scanned document	7,878
0	other care provider	awaiting clinical code migration to emis web	repeat issue	7,745
0	gp	awaiting clinical code migration to emis web	outbound referral	7,402
0	other care provider	externally entered note	externally entered note	6,736
0	gp	telephone call from relative/carer	telephone call from relative/carer	6,626
0	other care provider	awaiting clinical code migration to emis web	surgery consultation	6,514
0		awaiting clinical code migration to emis web	inbound document	6,495
0	nurse	gp surgery	awaiting review	6,475
0	other care provider	awaiting clinical code migration to emis web	other	6,315
0	nurse	administration note	administration	6,285
0		outbound referral	outbound referral	6,194
0	nurse	telephone triage encounter	telephone triage encounter	6,074
0	gp	clinic note	clinic note	5,834
0	gp	awaiting clinical code migration to emis web	repeat issue	5,803
0	gp	non-consultation data	non-consultation data	5,552
0	other care provider	third party consultation	third party consultation	5,505
0	other care provider	gp surgery	awaiting review	5,332
0	gp	awaiting clinical code migration to emis web	telephone call from a patient	5,282
0	nurse	externally entered note	externally entered note	5,251
0	gp	face to face consultation	triage	5,196
0	nurse	telephone call to relative/carer	telephone call to relative/carer	5,191
0		awaiting clinical code migration to emis web	mail to patient	5,178
0		non-consultation data	non-consultation data	4,933
0	gp	e-mail received from patient	e-mail received from patient	4,877
0	nurse	outbound referral	outbound referral	4,787
0		medication requested	repeat issue	4,639
0	nurse	third party consultation	third party consultation	4,605
0	nurse	awaiting clinical code migration to emis web	results recording	4,405
0	gp	awaiting clinical code migration to emis web	scanned document	4,384
0		other note	other note	4,375
0		awaiting clinical code migration to emis web	mjog	4,221
0	other care provider	other note	other note	4,071
0		mail to patient	mail to patient	3,924
0	other care provider	awaiting clinical code migration to emis web	clinic	3,859
0		e-mail received from patient	e-mail received from patient	3,632

0		awaiting clinical code migration to emis web	out of hours, non practice	3,607
0	other care provider	clinic note	clinic note	3,371
0	gp	awaiting clinical code migration to emis web	home visit note	3,370
0	gp	hospital outpatient report	hospital outpatient report	3,359
0	nurse	nurse telephone triage	nurse telephone triage	3,274
0	nurse	clinic note	clinic note	3,252
0	gp	awaiting clinical code migration to emis web	clinic	3,245
0	other care provider	awaiting clinical code migration to emis web	administration note	3,044
0	gp	awaiting clinical code migration to emis web	third party consultation	3,038
0	other care provider	awaiting clinical code migration to emis web	medicine management	2,829
0	other care provider	telephone call to relative/carer	telephone call to relative/carer	2,807
0	nurse	awaiting clinical code migration to emis web	telephone consultation	2,782
0		awaiting clinical code migration to emis web	clinic	2,775
0		laboratory result	laboratory result	2,727
0	gp	awaiting clinical code migration to emis web	inbound document	2,605
0		telephone call from relative/carer	telephone call from relative/carer	2,594
0		clinic note	clinic note	2,579
0	gp	laboratory result	laboratory result	2,511
0	other care provider	repeat prescription	repeat issue	2,511
0		awaiting clinical code migration to emis web	home of patient	2,454
0	gp	awaiting clinical code migration to emis web	out of hours, non practice	2,365
0	gp	awaiting clinical code migration to emis web	nhs direct report	2,334
0		awaiting clinical code migration to emis web	results recording	2,185
0	dr	third party consultation	third party consultation	2,146
0	other care provider	awaiting clinical code migration to emis web	third party consultation	2,095
0	nurse	awaiting clinical code migration to emis web	administration note	2,075
0		administration note	patientchase insert	1,855
0		clinic note	awaiting review	1,790
0		hospital inpatient report	hospital inpatient report	1,760
0		e-mail received from patient	docman	1,753
0	nurse	other note	other note	1,708
0	nurse	non-consultation data	non-consultation data	1,681
0	gp	awaiting clinical code migration to emis web	referral letter	1,660
0		laboratory result	results recording	1,624

0		awaiting clinical code migration to emis web	non-consultation data	1,537
0	gp	awaiting clinical code migration to emis web	medicine management	1,510
0	nurse	laboratory result	results recording	1,464
0	nurse	telephone call from relative/carer	telephone call from relative/carer	1,401
0		administration note	scanned document	1,373
0		telephone triage encounter	telephone triage encounter	1,353
0	gp	medication requested	awaiting review	1,347
0	nurse	discussion with colleague	discussion with colleague	1,329
0	gp	awaiting clinical code migration to emis web	telephone triage encounter	1,313
0	nurse	awaiting clinical code migration to emis web	telephone call to a patient	1,243
0	other care provider	non-consultation data	non-consultation data	1,239
0	gp	case conference	awaiting review	1,225
0	gp	awaiting clinical code migration to emis web	externally entered note	1,206
0		telephone call to relative/carer	telephone call to relative/carer	1,191
0	nurse	awaiting clinical code migration to emis web	third party consultation	1,170
0	gp	e-mail sent to patient	awaiting review	1,162
0	dr	administration note	administration	1,159
0		other note		1,156
0		administration note		1,120
0	dr	externally entered note	externally entered	1,113
0	gp	awaiting clinical code migration to emis web	face to face consultation	1,112
0	other care provider	telephone triage encounter	telephone triage encounter	1,107
0	nurse	laboratory result	laboratory result	1,064
0	other care provider	outbound referral	outbound referral	1,052
0	gp	clinic note	awaiting review	1,030
0	other care provider	mail to patient	patientchase insert	1,019
0	gp	repeat prescription	awaiting review	1,003
0	gp	awaiting clinical code migration to emis web	data transferred from other system	983
0		awaiting clinical code migration to emis web	non-consultation medication data	980
0	gp	awaiting clinical code migration to emis web	nursing home visit note	971
0	gp	repeat prescription	repeat issue	964
0		awaiting clinical code migration to emis web	telephone call to a patient	901
0	dr			885
0	nurse	awaiting clinical code migration to emis web	face to face consultation	853
0	other care provider	hospital outpatient report	hospital outpatient report	828
0		clinic note	community clinic	823

0		awaiting clinical code migration to emis web	gp2gp import	822
0		awaiting clinical code migration to emis web	letter from outpatients	809
0	other care provider	mail to patient	mail to patient	801
0	other care provider	telephone call from relative/carer	telephone call from relative/carer	789
0		awaiting clinical code migration to emis web	externally entered note	769
0		awaiting clinical code migration to emis web	referral letter	751
0	other care provider	awaiting clinical code migration to emis web	inbound document	719
0		e-mail sent to patient	awaiting review	711
0	gp	hospital inpatient report	hospital inpatient report	710
0	nurse	awaiting clinical code migration to emis web	repeat issue	694
0	gp	awaiting clinical code migration to emis web	acute visit	693
0	gp	awaiting clinical code migration to emis web	telephone call to relative/carer	680
0		non-consultation medication data	repeat issue	679
0	nurse	awaiting clinical code migration to emis web	home visit note	672
0	other care provider	discussion with colleague	discussion with colleague	665
0		administration note	docman	665
0	gp	other note		661
0		awaiting clinical code migration to emis web	telephone consultation	656
0	other care provider	awaiting clinical code migration to emis web	scanned document	642
0		ooh report	third party consultation	637
0	gp	scanned document	externally entered	619
0	gp	medication requested	repeat issue	606
0	nurse	awaiting clinical code migration to emis web	telephone triage encounter	602
0	other care provider	awaiting clinical code migration to emis web	telephone call to a patient	541
0	other care provider	awaiting clinical code migration to emis web	face to face consultation	534
0	dr	administration note	administration note	525
0	gp	discussion with other professional	awaiting review	514
0	gp	administration note	awaiting review	509
0	other care provider	awaiting clinical code migration to emis web	mail to patient	507
0		ooh report	awaiting review	504
0	dr	awaiting clinical code migration to emis web	gp surgery	501
0		walk-in clinic		495
0		administration note	inbound document	493
0		routine consultation	repeat issue	488

0		awaiting clinical code migration to emis web	telephone call from a patient	486
0	gp	ooh report	out of hours, non practice	478
0	gp	mail from patient	mail from patient	473
0		other note	awaiting review	472
0	gp	awaiting clinical code migration to emis web	enterprise consultation	458
0	other care provider	repeat prescription	awaiting review	455
0	gp	awaiting clinical code migration to emis web	discussion with colleague	451
0		awaiting clinical code migration to emis web	outbound referral	450
0	gp	awaiting clinical code migration to emis web	nursing home	447
0	dr	awaiting clinical code migration to emis web	awaiting review	444
0	nurse	e-mail received from patient	e-mail received from patient	443
0		awaiting clinical code migration to emis web	data transferred from other system	442
0	nurse	ooh report	awaiting review	439
0		administration note	awaiting review	436
0	other care provider	clinic note	awaiting review	431
0	gp	administration note		415
0	gp	administration note	scanned document	414
0	gp	awaiting clinical code migration to emis web	urgent consultation	404
0	other care provider	awaiting clinical code migration to emis web	externally entered note	385
0		awaiting clinical code migration to emis web	school	384
0	nurse	hospital outpatient report	hospital outpatient report	380
0		mail to patient	patientchase insert	377
0		awaiting clinical code migration to emis web	telephone encounter	376
0	gp	administration note	results recording	372
0		discussion with colleague	discussion with colleague	368
0	other care provider	awaiting clinical code migration to emis web	results recording	365
0		case conference	awaiting review	361
0	other care provider	awaiting clinical code migration to emis web	telephone consultation	350
0	other care provider	awaiting clinical code migration to emis web	patientchase insert	345
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0	gp	awaiting clinical code migration to emis web	telephone call from relative/carer	310
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0	other care provider	e-mail received from patient	e-mail received from patient	292
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0	nurse	clinic note	awaiting review	286
0	dr	scanned document	scanned document	285
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0	other care provider	laboratory result	laboratory result	282
0	gp	awaiting clinical code migration to emis web	discharge details	281
0		home visit note	home of patient	277
0	nurse	awaiting clinical code migration to emis web	inbound document	276
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0	gp	mail to patient	mail to patient	270
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0		awaiting clinical code migration to emis web	acute visit	263
0		walk-in clinic	awaiting review	260
0	dr	hospital outpatient report	hospital outpatient report	256
0	gp	awaiting clinical code migration to emis web	mail to patient	249
0		administration note	mjog	248
0		mail from patient	mail from patient	248
0	gp	awaiting clinical code migration to emis web	letter from outpatients	247
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Supplemental material

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0		administration note	mail to patient	36
0	gp	awaiting clinical code migration to emis web	home of patient	35
0	gp	awaiting clinical code migration to emis web	casualty attendance	34
0	gp	inbound document	letter from outpatients	34
0	other care provider	awaiting clinical code migration to emis web	outbound referral	34
0	other care provider	extended hours consultation	out of hours, non practice	34
0	gp	awaiting clinical code migration to emis web	telephone encounter	33
0	gp	seen in hospital ward	awaiting review	33
0		other note	non-consultation data	33
0	nurse	other note	awaiting review	32
0	other care provider	awaiting clinical code migration to emis web	discussion with colleague	32
0		discussion with other professional	awaiting review	32

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0		multidisciplinary team meeting without patient	awaiting review	32
0		children's home visit note		31
0	other care provider	laboratory result	results recording	30
0		awaiting clinical code migration to emis web	casualty attendance	30
0		extended hours consultation	nhs direct report	30
0	nurse	administration note	awaiting review	29
0	nurse	awaiting clinical code migration to emis web	letter from outpatients	29
0	nurse	awaiting clinical code migration to emis web	open door surgery	29
0	nurse	discussion with other professional	awaiting review	29
0	nurse	ooh report	out of hours, non practice	29
0		face to face consultation	treatment room	29
0	gp	email received from carer	awaiting review	28
0	other care provider	awaiting clinical code migration to emis web	telephone triage encounter	28
0		administration note	touchscreen	28
0	nurse	awaiting clinical code migration to emis web	encompass message	27
0	nurse	awaiting clinical code migration to emis web	nursing home	27
0		third party consultation	out of hours, non practice	27
0	gp	awaiting clinical code migration to emis web	follow-up/routine visit	26
0	other care provider	emergency consultation	accident & emergency	26
0	gp	hospital outpatient report	nhs direct report	25
0	other care provider	awaiting clinical code migration to emis web	telephone call from relative/carer	23
0	other care provider	outbound referral	referral letter	23
0		externally entered note	scanned document	23
0	nurse	multidisciplinary team meeting without patient	awaiting review	22
0		other consultation medium used	data transferred from other system	22
0	dr	awaiting clinical code migration to emis web	outbound referral	21
0	gp	seen in influenza vaccination clinic	awaiting review	21
0	nurse	awaiting clinical code migration to emis web	other note	21
0		ooh report	nhs direct report	21
0	dr	awaiting clinical code migration to emis web	inbound document	20
0	gp	awaiting clinical code migration to emis web	day case report	20
0	other care provider	seen by general practitioner with special interest in ear nose and throat disorders	data transferred from other system	20
0		emergency consultation	accident & emergency	20
0	gp	awaiting clinical code migration to emis web	online services message	19

0	gp	hospital outpatient report	third party consultation	19
0	nurse	repeat prescription	awaiting review	19
0		awaiting clinical code migration to emis web	walk in centre	19
0	dr	hospital inpatient report	hospital inpatient report	18
0	other care provider	awaiting clinical code migration to emis web	residential home visit note	18
0	other care provider	walk-in clinic		18
0		awaiting clinical code migration to emis web	residential home visit note	18
0		awaiting clinical code migration to emis web	telephone triage encounter	18
0	dr	outbound referral	outbound referral	17
0	gp	ooh report	third party consultation	17
0	gp	other consultation medium used	nhs direct report	17
0	gp	radiology result	awaiting review	17
0	gp	telephone consultation	telephone call from relative/carer	17
0	other care provider	awaiting clinical code migration to emis web	enterprise consultation	17
0	other care provider	walk-in clinic	walk in centre	17
0		administration note	referral letter	17
0	dr	other note	other note	16
0	other care provider	awaiting clinical code migration to emis web	nursing home visit note	16
0	dr	medication requested	repeat issue	15
0	other care provider	administration note	inbound document	15
0	other care provider	awaiting clinical code migration to emis web	out of hours, non practice	15
0		non-consultation data	data transferred from other system	15
0	other care provider	face to face consultation	triage	15
0	dr	awaiting clinical code migration to emis web	telephone call to a patient	14
0	dr	externally entered note	externally entered note	14
0	gp	hospital inpatient report	discharge details	14
0	gp	seen by general practitioner with special interest in ear nose and throat disorders	data transferred from other system	14
0	other care provider	administration note	scanned document	14
0	other care provider	discussion with other professional	awaiting review	14
0		awaiting clinical code migration to emis web	out of hours, practice	14
0		externally entered note		14
0	dr	telephone call to relative/carer	telephone call to relative/carer	13
0	nurse	awaiting clinical code migration to emis web	nhs direct report	13
0	nurse	awaiting clinical code migration to emis web	out of hours, non practice	13
0		hospital inpatient note	awaiting review	13

0		repeat prescription	awaiting review	13
0	gp	other note	encompass message	12
0	nurse	awaiting clinical code migration to emis web	hospital outpatient report	12
0	other care provider	awaiting clinical code migration to emis web	accident & emergency	12
0	nurse	other note	encompass message	11
0	nurse	repeat prescription	repeat issue	11
0	other care provider	seen in influenza vaccination clinic	awaiting review	11
0		awaiting clinical code migration to emis web	discussion with colleague	11
0		awaiting clinical code migration to emis web	hospital outpatient consultation	11
0		awaiting clinical code migration to emis web	walk-in clinic	11
0		non-consultation medication data	medicine management	11
0		provision of general practitioner intermediate care	awaiting review	10
0	dr	clinic note	awaiting review	< 10
0	other care provider	ooh report	out of hours centre	< 10
0		administration note	non-consultation data	< 10
0		clinic note	nhs direct report	< 10
0		telephone follow-up	awaiting review	< 10
0	gp	administration note	clinic note	< 10
0	gp	progress report	awaiting review	< 10
0	nurse	awaiting clinical code migration to emis web	acute visit	< 10
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0		administration note	other note	< 10
0	dr	awaiting clinical code migration to emis web	home visit note	< 10
0	gp	hospital inpatient note	day case report	< 10
0	gp	inbound document	discharge details	< 10
0	nurse	awaiting clinical code migration to emis web	follow-up/routine visit	< 10
0	other care provider	awaiting clinical code migration to emis web	discharge details	< 10
0		awaiting clinical code migration to emis web	enterprise consultation	< 10
0		awaiting clinical code migration to emis web	nursing home visit note	< 10
0		email received from carer	awaiting review	< 10
0		ooh report	out of hours, practice	< 10
0		other note	data transferred from other system	< 10
0		outbound referral	referral letter	< 10
0		radiology result	awaiting review	< 10
0	dr	gp surgery	awaiting review	< 10
0	gp	routine consultation	repeat issue	< 10
0	nurse	email received from carer	awaiting review	< 10
0	nurse	non-consultation data	data transferred from other system	< 10

0	nurse	scanned document	docman	< 10
0	other care provider	awaiting clinical code migration to emis web	home of patient	< 10
0	other care provider	hospital outpatient report	letter from outpatients	< 10
0	dr	discussion with colleague	discussion with colleague	< 10
0	gp	administration note	discussion with colleague	< 10
0	gp	awaiting clinical code migration to emis web	out of hours, practice	< 10
0	gp	clinic note	out of hours, non practice	< 10
0	gp	ooh report	out of hours, practice	< 10
0	gp	seen in diabetic clinic	awaiting review	< 10
0	gp	sms text message sent to patient	awaiting review	< 10
0	nurse	administration note	discussion with colleague	< 10
0	other care provider	awaiting clinical code migration to emis web	nursing home	< 10
0	other care provider	awaiting clinical code migration to emis web	online services message	< 10
0		awaiting clinical code migration to emis web	bulk operation	< 10
0		non-consultation data	touchscreen	< 10
0	dr	awaiting clinical code migration to emis web	hospital outpatient report	< 10
0	dr	awaiting clinical code migration to emis web	other	< 10
0	dr	awaiting clinical code migration to emis web	third party consultation	< 10
0	dr	clinic note	clinic note	< 10
0	dr	non-consultation data	non-consultation data	< 10
0	gp	awaiting clinical code migration to emis web	hospital inpatient report	< 10
0	gp	clinic note	community clinic	< 10
0	nurse	administration note	non-consultation data	< 10
0	nurse	awaiting clinical code migration to emis web	non-consultation medication data	< 10
0	other care provider	externally entered note	data transferred from other system	< 10
0	other care provider	gp surgery		< 10
0	other care provider	other note	referral letter	< 10
0		awaiting clinical code migration to emis web	nurseries/playgroup	< 10
0		hospital outpatient report	third party consultation	< 10
0	gp	nurse telephone triage	nurse telephone triage	< 10
0	dr	awaiting clinical code migration to emis web	discussion with colleague	< 10
0	dr	awaiting clinical code migration to emis web	medicine management	< 10
0	dr	awaiting clinical code migration to emis web	residential home visit note	< 10
0	dr	e-mail received from patient	e-mail received from patient	< 10
0	dr	telephone call from relative/carer	telephone call from relative/carer	< 10

0	gp	awaiting clinical code migration to emis web	walk-in centre	< 10
0	gp	extended hours consultation	out of hours, non practice	< 10
0	gp	externally entered note		< 10
0	gp	other consultation medium used	other note	< 10
0	gp	telephone consultation	telephone call to relative/carer	< 10
0	nurse	awaiting clinical code migration to emis web	telephone encounter	< 10
0	nurse	medication requested	awaiting review	< 10
0	nurse	telephone follow-up	awaiting review	< 10
0	other care provider	awaiting clinical code migration to emis web	e-mail received from patient	< 10
0	other care provider	awaiting clinical code migration to emis web	mail from patient	< 10
0	other care provider	awaiting clinical code migration to emis web	out of hours, practice	< 10
0	other care provider	other note	data transferred from other system	< 10
0		awaiting clinical code migration to emis web	day case report	< 10
0		awaiting clinical code migration to emis web	encompass message	< 10
0		e-mail encounter to carer	awaiting review	< 10
0		walk-in clinic	walk in centre	< 10
0	dr	awaiting clinical code migration to emis web	non-consultation data	< 10
0	dr	awaiting clinical code migration to emis web	other note	< 10
0	dr	e-mail sent to patient	awaiting review	< 10
0	gp	email received from third party	awaiting review	< 10
0	gp	hospital inpatient note	awaiting review	< 10
0	gp	night visit note	night visit	< 10
0	gp	other note	third party consultation	< 10
0	gp	telephone encounter	telephone call to relative/carer	< 10
0	gp	telephone follow-up	awaiting review	< 10
0	nurse	administration note	referral letter	< 10
0	nurse	awaiting clinical code migration to emis web	urgent consultation	< 10
0	nurse	seen in asthma clinic	awaiting review	< 10
0	nurse	seen in hospital ward	awaiting review	< 10
0	nurse	telephone consultation	telephone call to relative/carer	< 10
0	other care provider	administration note	other note	< 10
0	other care provider	administration note	referral letter	< 10
0	other care provider	administration note	repeat issue	< 10
0	other care provider	administration note	results recording	< 10
0	other care provider	awaiting clinical code migration to emis web	casualty attendance	< 10
0	other care provider	awaiting clinical code migration to emis web	diabetic clinic	< 10

0	other care provider	awaiting clinical code migration to emis web	encompass message	< 10
0	other care provider	clinic note	nhs direct report	< 10
0	other care provider	seen in diabetic clinic	awaiting review	< 10
0		awaiting clinical code migration to emis web	other report	< 10
0		child in need meeting	awaiting review	< 10
0		hospital inpatient report	hospital inpatient	< 10
0		progress report	nhs direct report	< 10
0		repeat prescription	non-consultation medication data	< 10
0		weekly care home ward round	awaiting review	< 10
0	dr	awaiting clinical code migration to emis web	non-consultation medication data	< 10
0	dr	awaiting clinical code migration to emis web	telephone call from a patient	< 10
0	dr	awaiting clinical code migration to emis web	telephone call from relative/carer	< 10
0	dr	awaiting clinical code migration to emis web	telephone call to relative/carer	< 10
0	gp	awaiting clinical code migration to emis web	night visit , practice	< 10
0	gp	awaiting clinical code migration to emis web	walk-in clinic	< 10
0	gp	non-consultation medication data	non-consultation medication data	< 10
0	gp	other consultation medium used	referral letter	< 10
0	gp	other note	non-consultation data	< 10
0	gp	other note	non-consultation medication data	< 10
0	gp	seen in baby clinic	awaiting review	< 10
0	gp	telephone encounter	telephone call from relative/carer	< 10
0	nurse	administration note	clinic note	< 10
0	nurse	administration note	laboratory result	< 10
0	nurse	awaiting clinical code migration to emis web	casualty attendance	< 10
0	nurse	awaiting clinical code migration to emis web	patientchase insert	< 10
0	nurse	clinic note	community clinic	< 10
0	nurse	extended hours consultation	out of hours, non practice	< 10
0	nurse	externally entered note	data transferred from other system	< 10
0	nurse	first attendance face to face	awaiting review	< 10
0	nurse	hospital inpatient note	awaiting review	< 10
0	nurse	ooh report	out of hours, practice	< 10
0	nurse	other consultation medium used	data transferred from other system	< 10
0	nurse	other note	data transferred from other system	< 10
0	nurse	other note	referral letter	< 10
0	nurse	outbound referral	referral letter	< 10
0	nurse	patient initiated enc. nos	awaiting review	< 10
0	nurse	telephone consultation	telephone call from relative/carer	< 10
0	nurse	telephone encounter	telephone call to relative/carer	< 10
0	nurse	weekly care home ward round	awaiting review	< 10

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0	other care provider	administration note	mail to patient	< 10
0	other care provider	awaiting clinical code migration to emis web	hospital inpatient report	< 10
0	other care provider	awaiting clinical code migration to emis web	hospital outpatient report	< 10
0	other care provider	awaiting clinical code migration to emis web	laboratory result	< 10
0	other care provider	clinic note	community clinic	< 10
0	other care provider	first attendance face to face	awaiting review	< 10
0	other care provider	inbound referral	awaiting review	< 10
0	other care provider	non-consultation data	data transferred from other system	< 10
0	other care provider	ooh report	out of hours, non practice	< 10
0	other care provider	telephone encounter	awaiting review	< 10
0		awaiting clinical code migration to emis web	follow-up/routine visit	< 10
0		awaiting clinical code migration to emis web	letter	< 10
0		awaiting clinical code migration to emis web	minor injuries unit	< 10
0		awaiting clinical code migration to emis web	secretary	< 10
0		email received from third party	awaiting review	< 10
0		gp surgery	non-consultation data	< 10
0		hospital inpatient report	awaiting review	< 10
0		hospital inpatient report	discharge details	< 10
0		multidisciplinary team meeting with patient	awaiting review	< 10
0		night visit note	night visit, local rota	< 10
0		provision of general practitioner intermediate care	gp2gp import	< 10
0		telephone triage encounter	nhs direct report	< 10
0		third party consultation	third party	< 10
0	other care provider	nurse telephone triage	nurse telephone triage	< 10

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Annex 3: *NHS targets for cancer wait times*

			Operational standard
Maximum two weeks from	Receipt of urgent referral for suspected cancer to first outpatient attendance		93%
	Receipt of referral of any patient with breast symptoms (where cancer not suspected) to first hospital assessment		93%
Maximum 28 days from	Receipt of two week wait referral for suspected cancer, receipt of urgent referral from a cancer screening programme (breast, bowel, cervical), and receipt of two week wait referral of any patient with breast symptoms (where cancer not suspected), to the date the patient is informed of a diagnosis or ruling out of cancer		75%
Maximum one month (31 days) from:	Decision to treat to first definitive treatment		96%
	Decision to treat/earliest clinically appropriate date to start of second or subsequent treatment(s) for all cancer patients including those diagnosed with a recurrence where the subsequent treatment is:	surgery	94%
		drug treatment	98%
		radiotherapy	94%
Maximum two months (62 days) from:	Urgent referral for suspected cancer to first treatment (62-day classic)		85%
	Urgent referral from a NHS Cancer Screening Programme (breast, cervical or bowel) for suspected cancer to first treatment		90%

Annex 4: Comparing Cancer Wait Times counts for referrals and first treatments with the NCRAS data equity pack

Table A4.1: Comparing Cancer Wait Times counts for referrals and first treatments with the NCRAS data equity pack

	01 Apr 2020 - 31 Jan 2021					
	First treatments for new cancer			Urgent cancer referrals		
	Observed	Expected	Percentage change (95% CI)	Observed	Expected	Percentage change (95% CI)
Cancer wait times data						
All	224,323	267,946	-16.3% (-16.6, -15.9)	1,673,775	2,071,967	-19.2% (-19.3, -19.1)
NCRAS data equity pack						
All	219,410	254,436	-13.8% (-14.3, -13.3)	1,658,309	1,984,489	-16.4% (-16.6, -16.3)
Breast	30,488	40,530	-24.8% (-25.9, -23.6)	337,582	363,139	-7% (-7.5, -6.6)
Gynaecological	11,281	12,344	-8.6% (-10.9, -6.2)	158,723	176,985	-10.3% (-10.9, -9.7)
Head and Neck	8,892	9,901	-10.2% (-12.7, -7.6)	163,668	189,837	-13.8% (-14.4, -13.2)
Lower GI	23,507	27,056	-13.1% (-14.6, -11.6)	302,369	366,677	-17.5% (-17.9, -17.1)
Lung	24,796	27,409	-9.5% (-11.1, -8.0)	33,830	53,641	-36.9% (-37.8, -36.1)
Skin	40,977	43,475	-5.7% (-7.0, -4.5)	338,172	429,802	-21.3% (-21.7, -21.0)
Upper GI	17,059	17,586	-3% (-5.0, -0.9)	141,720	163,013	-13.1% (-13.7, -12.4)
Urological	37,970	50,056	-24.1% (-25.2, -23.1)	134,389	184,642	-27.2% (-27.7, -26.7)
All other	24,441	26,080	-6.3% (-7.9, -4.6)	47,856	56,753	-15.7% (-16.7, -14.6)

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Annex 5: Patient demographics and person-time and total numbers of observed activity in CPRD Aurum sample

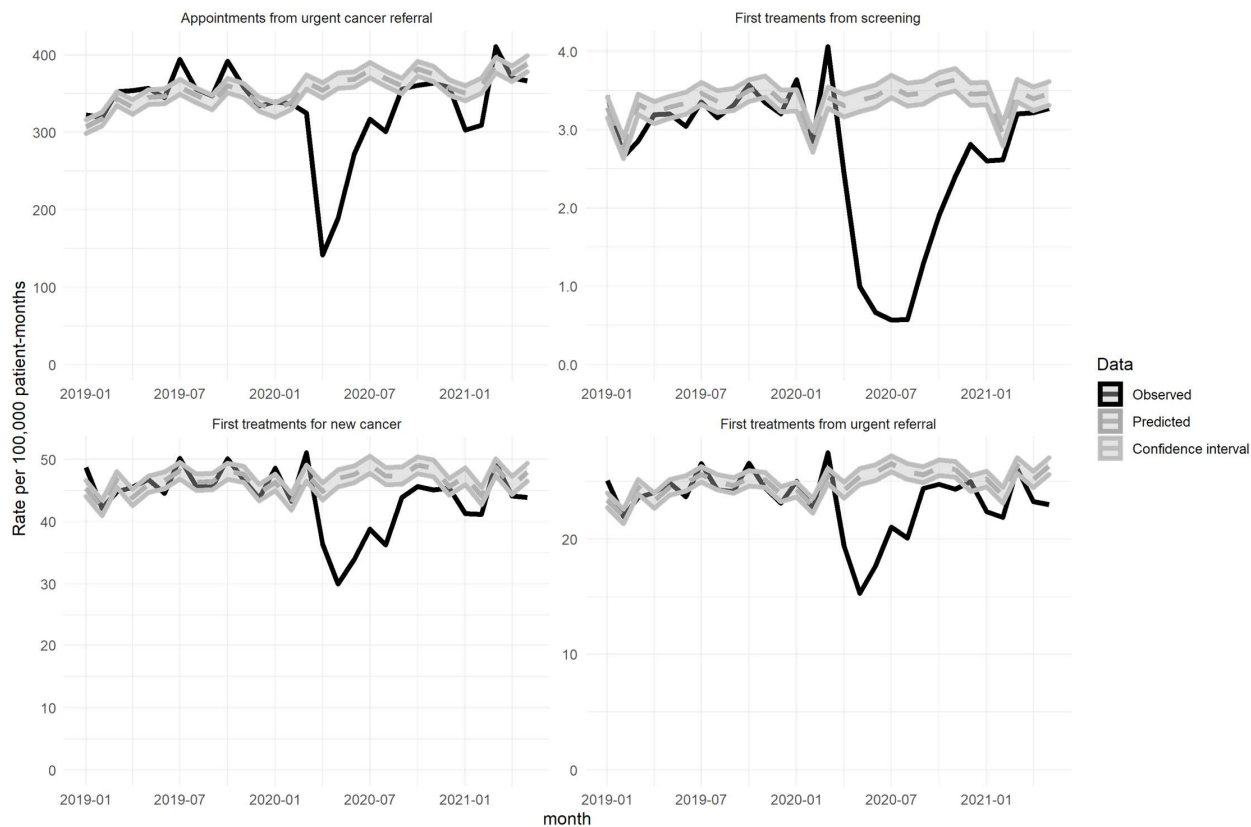Table A5.1: Patient demographics in CPRD Aurum sample as at 22 March 2020

	Patient count as at 22 March 2020	
	n	%
All	375,501	
Female	187,509	49.9%
Male	187,992	50.1%
Under 11	39,611	10.5%
11 to 19	43,406	11.6%
20 to 49	157,962	42.1%
50 to 69	87,482	23.3%
70 and older	47,040	12.5%
IMD Quintile - 1	78,759	21.0%
IMD Quintile - 2	73,046	19.5%
IMD Quintile - 3	71,840	19.1%
IMD Quintile - 4	77,545	20.7%
IMD Quintile - 5	74,020	19.7%
IMD not recorded	291	0.1%

Table A5.2: Person time (weeks) and total primary care activity analysed - CPRD Aurum

	3 January 2016 - 21March 2020*				22 March 2020 - 30 January 2021			
	Patient-time (weeks)	100,000 person-months	Activity count	Observed rate per 100,000 person-months	Patient-time (weeks)	100,000 person-months	Activity count	Observed rate per 100,000 person-months
Consultations excl flu vaccinations	78,868,977	181.44	6,912,079	38,095	16,701,707	38.19	1,306,206	34,201
Routine Referrals	78,868,977	181.44	312,422	1,722	16,701,707	38.19	40,744	1,067
2 Week Wait Referrals	78,868,977	181.44	38,905	214	16,701,707	38.19	10,235	268

The pre-pandemic period consists of 220 weeks or 51.61 months, the post pandemic period is 45 weeks or 10.29 months

Annex 6: Observed vs expected appointment and cancer diagnosis counts from CWT data from 01 Jan 2019 (per person-month)

Annex 7: Observed vs expected consultations by IMD quintile

Figure A7: Observed vs expected consultations per person per week by IMD quintile, age-standardised (01 Jan 2019 – 30 Jan 2021)

Total and predicted Consultations