## SUPPLEMENTAL MATERIAL Supplemental methods

#### Statistical analysis

Once a patient was determined to have severe disease they were classed as having severe disease for the rest of the study follow-up period.

Patients with a minimum of 12 months of follow-up from their EoE diagnosis index date were included in the treatment analysis. The first recorded prescription of PPI, TCS or OCS therapy in the 12 months prior to EoE diagnosis or any time after that was defined as the therapy index date. First-, second- and third-line drug treatments were also recorded. To ensure treatment patterns over time (i.e., first-, second- and third-line drug treatments) were captured adequately, patients were required to have a minimum of 3 years of follow-up to be included in the analysis. First-line drug treatment was defined in either the pre- or post-diagnosis period. Second- and third-line drug treatments were defined as:

- **Continued** indicates no treatment change until end of follow-up for the patient.
- Switched indicates treatment change from one to another different drug class, (e.g. moving from PPI to TCS).
- Addition/augmentation indicates the addition of at least one EoE medication to the
  current EoE regimen. A patient was considered to have received combination
  therapy if prescriptions for drug treatment of at least two classes occurred within a
  30-day period; otherwise, the patient was considered to have received
  monotherapy.
- Removal moving from combination therapy to monotherapy indicates the
  removal of at least one EoE medication. If a patient was on combination therapy,
  they were considered to have moved to monotherapy if there were no prescriptions

for one of the EoE medications after the last prescription of >60 days, with no restarting of that drug over the rest of follow-up.

Discontinued indicates no prescription for the EoE medication after the last
prescription of >60 days. If a patient discontinued a drug treatment but restarted it
later, the treatment was considered to occur in the same line of therapy, regardless
of the gap between treatments.

Patients were required to have at least 12 months of registration with the practice prior to first EoE diagnosis to be included in the stricture development analysis. Strictures were identified using diagnosis codes for oesophageal strictures. At least 12 months of follow-up from EoE diagnosis was needed to describe the proportion of patients on medication who developed strictures.

#### **Definitions**

EoE symptom onset was defined as first recording of dysphagia, food impaction, acid reflux/heartburn, non-cardiac chest pain or failure to thrive ≥3 years before EoE diagnosis. Adequate disease control was defined as no change in treatment, no procedures for the management/treatment of EoE, no hospitalisations or Accident and Emergency visits and no addition of a dietary formula for ≥3 months. Poor disease control was defined as a change in drug class or the addition of other treatments including procedures for the management of EoE and dietary formulas.

### Sensitivity analysis

A univariate sensitivity analysis was performed to determine the impact of excluding patients diagnosed with first EoE symptoms on the same day as EoE diagnosis when assessing disease severity, upper GI endoscopy and oesophageal dilation as potential determinants of time to diagnosis.

### Supplemental table 1. Code lists for EoE diagnosis

| MedCodeID        | Term         | Original      | Cleansed  | SnomedCT      | SnomedCT  |
|------------------|--------------|---------------|-----------|---------------|-----------|
| Medcodeib        | ReadCode     | ReadCode      | ConceptId | DescriptionId |           |
| 353159016        | Eosinophilic | J1017         | J101700   | 235599003     | 353159016 |
|                  | oesophagitis |               |           |               |           |
| 5082651000006117 | Eosinophilic | ^ESCTEO508265 |           | 235599003     | 353158012 |
|                  | esophagitis  | LSCILOSU6203  |           | 233333003     | 333130012 |

EoE, eosinophilic oesophagitis; SnomedCT, Systematized Nomenclature of Medicine Clinical Terms

# Supplemental table 2. Baseline EoE symptoms and allergic comorbidities by age group in England

| EoE symptoms and allergic | Overall     | Age at EoE diagnosis |             |             |
|---------------------------|-------------|----------------------|-------------|-------------|
| comorbidities             |             | <12 years            | 12-17 years | ≥18 years   |
| comorbidities             | (n=2381)    | (n=165)              | (n=173)     | (n=2043)    |
| Symptoms                  |             |                      |             |             |
| Dysphagia                 | 952 (40.0)  | 19 (11.5)            | 43 (24.9)   | 890 (43.6)  |
| Acid reflux/heartburn     | 515 (21.6)  | 43 (26.1)            | 41 (23.7)   | 431 (21.1)  |
| Acid reflux/heartburn     | 220 (9.2)   | 21 (12.7)            | 20 (11.6)   | 179 (8.8)   |
| GERD/GORD                 | 359 (15.1)  | 29 (17.6)            | 28 (16.2)   | 302 (14.8)  |
| Regurgitation             | 13 (0.6)    | 7 (4.2)              | 2 (1.2)     | 4 (0.2)     |
| Vomiting and nausea       | 167 (7.0)   | 45 (27.3)            | 19 (11.0)   | 103 (5.0)   |
| Food impaction            | 194 (8.2)   | 3 (1.8)              | 11 (6.4)    | 180 (8.8)   |
| Non-cardiac chest pain    | 96 (4.0)    | 1 (0.6)              | 5 (2.9)     | 90 (4.4)    |
| Abdominal pain            | 256 (10.8)  | 30 (18.2)            | 32 (18.5)   | 194 (9.5)   |
| Failure to thrive         | 28 (1.2)    | 6 (3.6)              | 1 (0.6)     | 21 (1.0)    |
| ≥1 symptom                | 1581 (66.4) | 100 (60.6)           | 108 (62.4)  | 1373 (67.2) |
| Comorbidities             |             |                      |             |             |
| Asthma                    | 567 (23.8)  | 43 (26.1)            | 50 (28.9)   | 474 (23.2)  |
| Atopic dermatitis/eczema  | 118 (5.0)   | 31 (18.8)            | 14 (8.1)    | 73 (3.6)    |
| Allergic rhinitis         | 86 (3.6)    | 9 (5.5)              | 22 (12.7)   | 55 (2.7)    |
| Food allergy/oral allergy | FO (2.4)    | 14 (0.5)             | 12 /7 5\    | 22 (4.4)    |
| syndrome                  | 50 (2.1)    | 14 (8.5)             | 13 (7.5)    | 23 (1.1)    |
| ≥1 allergic comorbidity   | 695 (29.2)  | 65 (39.4)            | 71 (41.0)   | 559 (27.4)  |

All data are presented as n (%)

EoE, eosinophilic oesophagitis; GERD, gastroesophageal reflux disease; GORD, gastro-oesophageal reflux disease

Supplemental table 3. Baseline comorbidities of patients with EoE and non-EoE matched controls in England

| Baseline comorbidities                 | Patients with | Non-EoE controls | p value |
|--|---------------|------------------|---------|
| paseille comorpiulties                 | EoE (n=2381)  | (n=9365)         | p value |
| Concomitant allergic diseases          |               |                  |         |
| Asthma                                 | 567 (23.8)    | 614 (6.6)        | <0.001  |
| Atopic dermatitis/eczema               | 118 (5.0)     | 199 (2.1)        | <0.001  |
| Allergic rhinitis                      | 86 (3.6)      | 91 (1.0)         | <0.001  |
| Food allergy/oral allergy syndrome     | 50 (2.1)      | 11 (0.1)         | <0.001  |
| ≥1 allergic comorbidity (per patient)  | 695 (29.2)    | 851 (9.1)        | <0.001  |
| Diseases associated with EoE           |               |                  |         |
| Reflux oesophagitis                    | 489 (20.5)    | 95 (1.0)         | <0.001  |
| Eosinophilic gastritis/gastroenteritis | 10 (0.4)      | 0 (0.0)          | <0.001  |
| Coeliac disease                        | 17 (0.7)      | 5 (0.1)          | <0.001  |
| Inflammatory bowel disease             | 41 (1.7)      | 36 (0.4)         | <0.001  |
| Hypereosinophilic syndrome             | 0 (0.0)       | 0 (0.0)          | NR      |
| Achalasia                              | 5 (0.2)       | 2 (0.0)          | <0.001  |
| Drug hypersensitivity                  | 45 (1.9)      | 42 (0.5)         | <0.001  |
| Vasculitis and eosinophilic            | 7 (0.2)       | 19 (0.2)         | 0.40    |
| granulomatosis polyangiitis            | 7 (0.3)       | 18 (0.2)         | 0.48    |
| Connective tissue diseases             | 16 (0.7)      | 47 (0.5)         | 0.39    |
| Graft-versus-host disease              | 0 (0.0)       | 0 (0.0)          | NR      |
| ≥1 EoE-related comorbidity (per        | 581 (24.4)    | 242 (2.6)        | <0.001  |
| patient)                               | 301 (24.4)    | 242 (2.0)        | <0.001  |
| Psychiatric comorbidities              |               |                  |         |
| Depression/anxiety                     | 223 (9.4)     | 483 (5.2)        | <0.001  |
| Depression                             | 139 (5.8)     | 328 (3.5)        | <0.001  |
| Anxiety                                | 51 (2.1)      | 46 (0.5)         | <0.001  |
| Bipolar disorder                       | 4 (0.2)       | 17 (0.2)         | 1.00    |
| Post-traumatic stress disorder         | 0 (0.0)       | 0 (0.0)          | NR      |
| Schizophrenia                          | 3 (0.1)       | 24 (0.3)         | 0.34    |
| Insomnia                               | 20 (0.8)      | 34 (0.4)         | <0.001  |

| Baseline comorbidities                   | Patients with | Non-EoE controls | p value |  |  |
|--|---------------|------------------|---------|--|--|
| baseline comorbidities                   | EoE (n=2381)  | (n=9365)         | p value |  |  |
| Chronic pain disorder                    | 6 (0.3)       | 14 (0.2)         | 0.42    |  |  |
| ≥1 psychiatric comorbidity (per patient) | 260 (10.9)    | 598 (6.4)        | <0.001  |  |  |
| Prescribed psychiatric medication at     | baseline      |                  |         |  |  |
| SSRI                                     | 207 (8.7)     | 680 (7.3)        | 0.02    |  |  |
| SNRI                                     | 33 (1.4)      | 87 (0.9)         | 0.06    |  |  |
| Tricyclic antidepressant                 | 126 (5.3)     | 287 (3.1)        | <0.001  |  |  |
| MAOI                                     | 2 (0.1)       | 0 (0.0)          | 0.05    |  |  |
| Antipsychotic                            | 70 (2.9)      | 166 (1.8)        | <0.001  |  |  |
| Benzodiazepine                           | 74 (3.1)      | 203 (2.2)        | 0.01    |  |  |
| Buspirone, and others (trazodone,        |               |                  |         |  |  |
| pregabalin, gabapentin, and              | 94 (4.0)      | 304 (3.3)        | 0.10    |  |  |
| mirtazapine anxiolytics)                 |               |                  |         |  |  |
| ≥1 psychiatric medication (per patient)  | 439 (18.4)    | 1281 (13.7)      | 0.00    |  |  |

All data are presented as n (%)

EoE, eosinophilic oesophagitis; MAOI, monoamine-oxidase inhibitor; NR, not relevant; SNRI, serotonin norepinephrine reuptake inhibitor; SSRI, selective serotonin reuptake inhibitor

Supplemental table 4. English patient and clinical characteristics by time to diagnosis in patients with EoE with data available at least 3 years prior and including the EoE diagnosis date, and with EoE symptom onset on or before the diagnosis date (n=1473)

|                               | Time to diagnosis (months) |              |              | -            |
|-------------------------------|----------------------------|--------------|--------------|--------------|
|                               | 0                          | >0-<12       | 12-<24       | 24–36        |
| Total number of patients      | 76 (5 2%)                  | 928 (63.0%)  | 240 (16 2%)  | 220 (15 5%)  |
| with EoE, n (%)               | 70 (3.2%)                  | 928 (03.076) | 240 (10.370) | 229 (13.570) |
| Demographic characteristics   |                            |              |              |              |
| Sex, n (%)                    |                            |              |              |              |
| Male                          | 46 (60.5)                  | 660 (71.1)   | 162 (67.5)   | 151 (65.9)   |
| Age at diagnosis, years       |                            |              |              |              |
| <18, n (%)                    | 6 (7.9)                    | 81 (8.7)     | 36 (15.0)    | 45 (19.7)    |
| BMI, kg/m <sup>2</sup>        |                            |              |              |              |
| Mean (SD)                     | 26.3 (5.4)                 | 79.5 (8.6)   | 25.7 (5.2)   | 26.0 (6.0)   |
| Ethnicity, n (%)              |                            |              |              |              |
| White                         | 44 (57.9)                  | 575 (62.0)   | 147 (61.3)   | 147 (64.2)   |
| Black                         | 2 (2.6)                    | 12 (1.3)     | 6 (2.5)      | 4 (1.7)      |
| Asian                         | 4 (5.3)                    | 29 (3.1)     | 9 (3.8)      | 14 (6.1)     |
| Other                         | 0 (0.0)                    | 16 (1.7)     | 7 (2.9)      | 6 (2.6)      |
| Unknown                       | 26 (34.2)                  | 296 (31.9)   | 71 (29.6)    | 58 (25.3)    |
| Clinical characteristics      |                            |              |              |              |
| Dysphagia, n (%)              | 37 (48.7)                  | 658 (70.9)   | 140 (58.3)   | 131 (57.2)   |
| Acid reflux/heartburn, n (%)  | 25 (32.9)                  | 329 (35.5)   | 120 (50.0)   | 132 (57.6)   |
| Regurgitation, n (%)          | 0 (0.0)                    | 6 (0.7)      | 2 (0.8)      | 5 (2.2)      |
| Vomiting and nausea, n (%)    | 11 (14.5)                  | 68 (7.3)     | 24 (10.0)    | 42 (18.3)    |
| Food impaction, n (%)         | 26 (34.2)                  | 139 (15.0)   | 27 (11.3)    | 20 (8.7)     |
| Non-cardiac chest pain, n (%) | 0 (0.0)                    | 44 (4.7)     | 54 (22.5)    | 74 (32.3)    |
| Abdominal pain, n (%)         | 7 (9.2)                    | 79 (8.5)     | 0 (0.0)      | 0 (0.0)      |
| Failure to thrive, n (%)      | 0 (0.0)                    | 16 (1.7)     | 10 (4.2)     | 15 (6.6)     |
| Disease severity              |                            |              |              |              |
| Severe disease, n (%)         | 26 (34.2)                  | 221 (23.8)   | 55 (22.9)    | 52 (22.7)    |

|                                | Time to diagnosis (months) |              |              |               |
|--------------------------------|----------------------------|--------------|--------------|---------------|
|                                | 0                          | >0-<12       | 12-<24       | 24–36         |
| Total number of patients       | 76 (5.2%)                  | 928 (63.0%)  | 240 (16.3%)  | 229 (15.5%)   |
| with EoE, n (%)                | 70 (3.270)                 | 328 (03.070) | 240 (10.570) | 223 (13.370)  |
| Strictures or selected procedu | res                        |              |              |               |
| Oesophageal strictures, n (%)  | 19 (25.0)                  | 149 (16.1)   | 50 (20.8)    | 35 (15.3)     |
| Endoscopic dilation, n (%)     | 3 (4.0)                    | 16 (1.7)     | 10 (4.2)     | 10 (4.4)      |
| Barium meal, n (%)             | 0 (0.0)                    | 1 (0.1)      | 2 (0.8)      | 0 (0.0)       |
| Upper GI endoscopy (with       | 40 (62 2)                  | 000 (00 3)   | 200 (00 7)   | 107 (00 0)    |
| and without biopsy), n (%)     | 48 (63.2)                  | 800 (86.2)   | 208 (86.7)   | 197 (86.0)    |
| Comorbidities                  |                            |              |              |               |
| Concomitant allergic diseases  |                            |              |              |               |
| Asthma, n (%)                  | 18 (23.7)                  | 250 (26.9)   | 69 (28.8)    | 83 (36.2)     |
| Atopic dermatitis, n (%)       | 7 (9.2)                    | 73 (7.9)     | 19 (7.9)     | 28 (12.2)     |
| Allergic rhinitis, n (%)       | 9 (11.8)                   | 50 (5.4)     | 26 (10.8)    | 23 (10.0)     |
| Food allergy, n (%)            | 2 (2.6)                    | 27 (2.9)     | 11 (4.6)     | 16 (7.0)      |
| Diseases associated with EoE   |                            |              |              |               |
| Reflux oesophagitis, n (%)     | 23 (30.3)                  | 298 (32.1)   | 97 (40.4)    | 119 (52.0)    |
| ≥1 EoE-related comorbidity,    | 27 (25 5)                  | 224 (25.7)   | 440 (45.0)   | 422 (52.7)    |
| n (%)                          | 27 (35.5)                  | 331 (35.7)   | 110 (45.8)   | 123 (53.7)    |
| Psychiatric comorbidities      |                            |              |              |               |
| Depression/anxiety, n (%)      | 14 (18.4)                  | 124 (13.4)   | 39 (16.3)    | 46 (20.1)     |
| ≥1 psychiatric comorbidity,    | 46 (24.4)                  | 444/455\     | 44 (40 2)    | F.C. (2.4.F.) |
| n (%)                          | 16 (21.1)                  | 144 (15.5)   | 44 (18.3)    | 56 (24.5)     |
| ≥1 psychiatric medication,     | 20 (26 2)                  | 472 (40 5)   | 47 (40 C)    | E0 (2E 2)     |
| n (%)                          | 20 (26.3)                  | 172 (18.5)   | 47 (19.6)    | 58 (25.3)     |

Time to diagnosis was defined as the time between EoE symptom onset and EoE diagnosis BMI, body mass index; EoE, eosinophilic oesophagitis; GI, gastrointestinal; SD, standard deviation

## Supplemental table 5. Multivariable association (IRR and 95% CI) of disease severity and EoE procedures with prolonged time to diagnosis<sup>1</sup>

|   | Unadjusted<br>incident rate<br>ratio<br>(95% CI) | Adjusted <sup>2</sup> incident rate ratio (95% CI) |
|---|--|--|
| Analysis of patients diagnosed with first symptom price | or to or on same da                              | y as EoE   |
| diagnosis   |  |  |
| Severe disease compared with no severe disease at       | 0.81 (0.69,                                      | 0.77 (0.65,  |
| baseline (262 versus 1211)                              | 0.96)  | 0.91)  |
| Oesophageal dilation compared with no oesophageal       | 0.84 (0.52,                                      | 0.91 (0.56,  |
| dilation at baseline (24 versus 1449)                   | 1.38)  | 1.48)  |
| Upper GI endoscopy compared with no upper GI            | 1.09 (0.96,                                      | 1.12 (0.98,  |
| endoscopy at baseline (977 versus 496)                  | 1.25)  | 1.28)  |
| Sensitivity analysis of those with first symptom before | day of EoE diagno                                | sis  |
| Severe disease compared with no severe disease at       | 0.76 (0.66,                                      | 0.72 (0.62,  |
| baseline (261 versus 1136)                              | 0.89)  | 0.85)  |
| Oesophageal dilation compared with no oesophageal       | 0.89 (0.56,                                      | 0.96 (0.61,  |
| dilation at baseline (24 versus 1373)                   | 1.41)  | 1.53)  |
| Upper GI endoscopy compared with no upper GI            | 1.28 (1.12,                                      | 1.31 (1.14,  |
| endoscopy at baseline (975 versus 422)                  | 1.46)  | 1.49)  |

<sup>&</sup>lt;sup>1</sup>Time to diagnosis was defined as time from symptom onset to first EoE diagnosis; <sup>2</sup>Adjusted for age (measured in years at index), gender, BMI (most recent measurement prior to index), ethnicity, and the following comorbidities, measured at baseline (12 months prior to index): concomitant allergic diseases (including asthma), oesophagitis and depression

BMI, body mass index; CI, confidence interval; EoE, eosinophilic oesophagitis; GI, gastrointestinal; IRR, incident rate ratio

Supplemental table 6. Baseline patient characteristics and development of strictures in patients in England with EoE with at least 12 months of follow-up

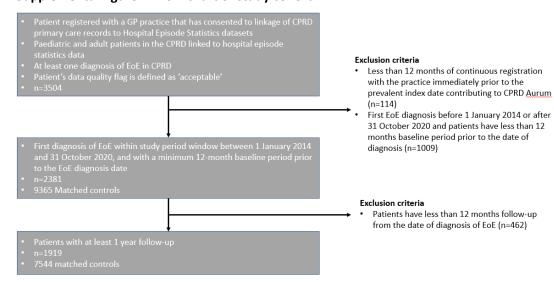
| Duration of follow-up<br>(days)  | Patients with  EoE with  ≥1 year of  follow-up  (n=1919) | Patients with incident EoE who NEVER developed strictures (baseline or follow-up) (n=1567) | Patients with incident EoE who developed strictures EVER (baseline or follow-up period) (n=352) |
|----------------------------------|--|--|---|
| Mean (SD)                        | 1131.8 (529.9)   | 1122.7 (526.0)   | 1172.5 (546.1)  |
| Demographics                     |  |  |   |
| Sex, n (%)                       |  |  |   |
| Male                             | 1350 (70.4)  | 1085 (69.2)  | 265 (75.3)  |
| Age at diagnosis (years)         |  |  |   |
| Median (IQR)                     | 40 (25)  | 39 (26)  | 44 (22)   |
| <18, n (%)                       | 303 (15.8)   | 287 (18.3)   | 16 (4.6)  |
| ≥18, n (%)                       | 1616 (84.2)  | 1280 (81.7)  | 336 (95.5)  |
| BMI, kg/m <sup>2</sup>           |  |  |   |
| Mean (SD)                        | 26.8 (6.3)   | 25.6 (6.2)   | 25.7 (5.1)  |
| Clinical characteristics         |  |  |   |
| Dysphagia, n (%)                 | 756 (39.4)   | 598 (38.2)   | 158 (44.9)  |
| Acid reflux/heartburn, n (%)     | 415 (21.6)   | 359 (22.9)   | 56 (15.9)   |
| Food impaction, n (%)            | 157 (8.2)  | 114 (7.3)  | 43 (12.2)   |
| Non-cardiac chest pain,<br>n (%) | 74 (3.9)   | 57 (3.6)   | 17 (4.8)  |
| Regurgitation, n (%)             | 9 (0.5)  | 9 (0.6)  | 0 (0.0)   |
| Vomiting and nausea, n (%)       | 140 (7.3)  | 130 (8.3)  | 10 (2.8)  |
| Abdominal pain, n (%)            | 203 (10.6)   | 181 (11.6)   | 22 (6.3)  |
| Failure to thrive, n (%)         | 19 (1.0)   | 17 (1.1)   | 2 (0.6)   |
|                                  |  |  |   |

| Food refusal, n (%)        | Patients with  EoE with  ≥1 year of follow-up (n=1919) | Patients with incident EoE who NEVER developed strictures (baseline or follow-up) (n=1567) 0 (0.0) | Patients with incident EoE who developed strictures EVER (baseline or follow-up period) (n=352) 0 (0.0) |
|----------------------------|--|--|---|
| Disease severity           |  |  |   |
| Severe disease, n (%)      | 294 (15.3)   | 214 (13.7)   | 80 (19.2)   |
| Comorbidities              |  |  |   |
| Concomitant allergic       |  |  |   |
| diseases                   |  |  |   |
| Asthma, n (%)              | 452 (23.6)   | 371 (23.7)   | 81 (19.4)   |
| Atopic dermatitis, n (%)   | 101 (5.3)  | 90 (5.7)   | 11 (2.6)  |
| Allergic rhinitis, n (%)   | 69 (3.6)   | 58 (3.7)   | 11 (2.6)  |
| Food allergy, n (%)        | 44 (2.3)   | 40 (2.6)   | 4 (1.0)   |
| ≥1 allergic comorbidity in |  |  |   |
| baseline period (per       | 559 (29.1)   | 459 (29.3)   | 100 (24.0)  |
| patient), n (%)            |  |  |   |
| Diseases associated with   |  |  |   |
| EoE                        |  |  |   |
| Reflux oesophagitis, n     | 400 (20.8)   | 324 (21.6)   | 76 (18.2)   |
| (%)                        |  |  |   |
| ≥1 EoE-related             |  |  |   |
| comorbidity in baseline    | 498 (26.0)   | 355 (23.6)   | 143 (34.3)  |
| period (per patient),      | 130 (2010)   | 333 (23.6)   | 110 (0110)  |
| n (%)                      |  |  |   |
| Psychiatric                |  |  |   |
| comorbidities              |  |  |   |
| Depression/anxiety, n      | 158 (8.2)  | 128 (8.5)  | 30 (7.2)  |
| (%)                        | (,   | - ()   | ( /   |

|  | Patients with  EoE with  ≥1 year of  follow-up  (n=1919) | Patients with incident EoE who NEVER developed strictures (baseline or follow-up) (n=1567) | Patients with incident EoE who developed strictures EVER (baseline or follow-up period) (n=352) |
|--|--|--|---|
| ≥1 psychiatric comorbidity in baseline period (per patient), n (%) | 188 (9.8)  | 153 (10.2)   | 35 (8.4)  |

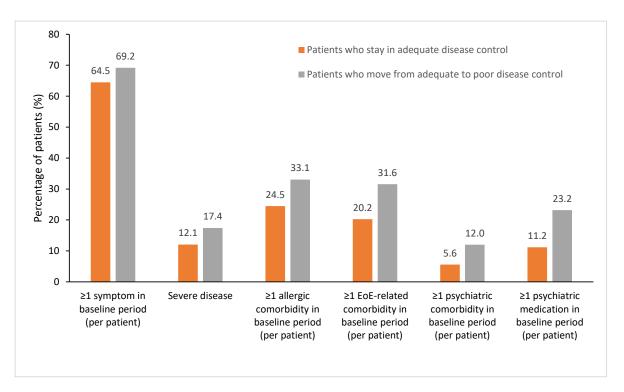
BMI, body mass index; EoE, eosinophilic oesophagitis; GI, gastrointestinal; IQR, interquartile range; SD, standard deviation

#### Supplemental figure 1. Flow chart of study cohort



CPRD, Clinical Practice Research Datalink; EoE, eosinophilic oesophagitis; GP, general practitioner

Supplemental figure 2. Percentage of patients with EoE in England remaining in adequate disease control and those experiencing poor disease control after achieving adequate disease control, by clinical characteristics (n=1729)



EoE, eosinophilic oesophagitis