

National COPD Primary Care Audit (Wales) 2015

Primary care audit dataset (with reporting levels)

The data items are categorised according to their 'centrality' in the processes of COPD care. The categorisation scheme consists of 3 levels:

- Level 1 data are extremely important, but usually available from sources such as the Quality and Outcomes Framework (QOF) (publically accessible data – to be reported at practice and HB level).
- Level 2 data are important items for the quality improvement elements (to be reported at practice level).
- Level 3 data are exploratory and intended to evaluate how well certain items are recorded, with a view to using them as level 2 items in future extractions (for national reporting purposes).

No	Data item	Data level	Description of data item	Purpose of data item
1	NHS Number	n/a	NHS number of the patient	Required for list cleaning by the Medical Research Information Service (MRIS) and data linkage (with secondary care data, pulmonary rehabilitation data, PREMs data, Patient Episode Database for Wales (PEDW), HES, and ONS).
2	Date of Birth	Demographic and identifier	Date of birth of the patient	Required for list cleaning, data linkage, and analysis of equality of access
3	Postcode	Demographic and identifier	Postcode of the patient	Required for data linkage/geographical analysis
4	Gender	Demographic	Gender of the patient	Required for determining equality of access
5	Practice Number	n/a	The national practice number of the practice	Required to enable practice level reporting
6	Dissent from disclosing personal data by HSCIC	n/a	The code of the latest "Dissent from disclosure of personal confidential data by Health and Social Care Information Centre" or "Dissent withdrawn from disclosure of personal confidential data by HSCIC" recorded at any time up to the date of the data exaction.	Required to support patient objections management
7	Date of dissent code	n/a	The date of the latest 'Dissent from disclosure of personal confidential data by Health and Social Care Information Centre' or "Dissent Withdrawn from disclosure of personal confidential data by HSCIC"	
8	Height	2	The value of the latest height measurement	Required to calculate Body Mass Index (BMI) if there is no BMI or FEV1% value recorded in the patient's record and Forced
9	Date of height measurement	2	The date of the latest height measurement	

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10	Weight	2	The value of the latest weight measurement	Expiratory Volume in 1 second ratio (FEV1%) predicted
11	Date of weight measurement	2	The date of the latest weight measurement	
12	BMI	2	The value of the latest BMI measurement.	Required to calculate FEV1% predicted
13	Date of BMI measurement	2	The date of the latest BMI measurement	
14	Earliest COPD Diagnosis	1	The code of the earliest recorded COPD diagnosis.	To support assessment of the timeliness and appropriateness of the assessment and treatment of COPD patients following diagnosis.
15	Date of earliest COPD diagnosis	1	The date of the earliest COPD diagnosis	
16	Latest COPD diagnosis	1	The code of the latest recorded COPD diagnosis.	
17	Date of latest COPD diagnosis	1	The date of the latest COPD diagnosis	
18	Latest Post Bronchodilator Spirometry	1	The date of the latest post bronchodilator spirometry	To support assessment of compliance with audit standards relating to use of spirometry
19	Latest FEV1/FVC ratio after bronchodilator	2	The value of the latest FEV1/FVC ratio after bronchodilator	
20	Date of FEV1/FVC ratio after bronchodilator	1	The date of the latest FEV1/FVC ratio after bronchodilator	
21	Latest other spirometry test	2	The code of the latest other spirometry test	
22	Value of other spirometry test	2	The value of the latest other spirometry test	
23	Date of other spirometry test	2	The date of the latest other spirometry test	
24	Latest COPD review	2	The code of the latest Chronic Obstructive Pulmonary Disease Review recorded.	To support assessment of compliance with the audit standard that COPD patients should have been reviewed in the last 12 months.
25	Date of COPD review	2	The date of the latest COPD review	
26	Latest chest x-ray	2	The code of the latest chest x-ray recorded.	To support assessment of compliance with the audit standard that COPD patients should have had a chest x-ray since diagnosis (or up to 3 months before diagnosis) to exclude co-morbidities
27	Date of chest x-ray	2	The date of the latest x-ray	
28	Latest Dyspnoea, Obstruction, Smoking, Exacerbation (DOSE) score	2	The value of the latest DOSE score.	To assess compliance with the NICE recommendation for use of multi-component assessment and recording of these items in order to manage COPD patients effectively.

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29	Date of DOSE score	2	The date of the latest DOSE score	The DOSE score will be calculated after data extraction from component items if they are available (MRC dyspnoea scale, forced expiratory volume in 1 second (FEV1) as percentage of predicted (FEV1%pred), smoking status, and exacerbation rate.
30	Latest Medical Research Council (MRC) Breathlessness Test Score	2	The value of the latest MRC Breathlessness Test score.	
31	Date of MRC Breathlessness Test score	2	The date of the latest MRC Breathlessness Test score	
32	Latest smoking status	2	The code of the latest smoking status.	Smoking cessation is the single most important intervention in smokers with COPD and these items allow assessment of its management.
33	Date of smoking status	2	The date of the latest smoking status.	
34	Latest declined smoking cessation code	2	The code of the latest declined smoking cessation advice	
35	Date of declined smoking cessation advice	2	The date of the latest declined smoking cessation advice	
36	Latest smoking cessation activity	2	The code of the latest smoking cessation activity.	
37	Date of smoking cessation activity	2	The date of the latest smoking cessation activity	
38	Latest smoking cessation medication (non drug codes)	2	The code of the latest smoking cessation medication (non drug codes)	
39	Date of smoking cessation medication (non drug codes)	2	The date of the latest smoking cessation medication (non drug codes)	
40	Latest smoking cessation medication (drug codes)	2	The code of the latest smoking cessation medication (drug codes)	
41	Date of smoking cessation medication (drug codes)	2	The date of the latest smoking cessation medication (drug codes)	
42	Latest seasonal flu vaccination (non-drug codes)	1	The code of the latest seasonal flu vaccination (non-drug codes)	To allow assessment of the % of COPD patients with influenza immunisation in the last 15 months and any reasons for immunisation not being given.
43	Date of seasonal flu vaccination (non-drug codes)	1	The date of the latest seasonal flu vaccination (non-drug codes)	
44	Latest seasonal flu vaccination (drug codes)	1	The code of the latest seasonal flu vaccination (drug codes)	
45	Date of seasonal flu vaccination (drug codes)	1	The date of the latest seasonal flu vaccination (drug codes)	

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No	Data item	Data level	Description of data item	Purpose of data item
46	Latest reason seasonal flu vaccination not given	1	The code of the latest reason seasonal flu vaccination not given	Pulmonary rehabilitation is a key intervention for COPD patients with functional disability (usually with MRC Breathlessness Test score of 3 or more); these items will allow assessment of the appropriateness and timeliness of its provision.
47	Date of reason seasonal flu vaccination not given	1	The date of the latest reason seasonal flu vaccination not given.	
48	Latest referral for pulmonary rehabilitation	1	The code of the latest referral for pulmonary rehabilitation	
49	Date of referral for pulmonary rehabilitation	1	The date of the latest referral for pulmonary rehabilitation.	
50	Date of pulmonary rehabilitation commenced	1	The date the f pulmonary rehabilitation was commenced	
51	Date of pulmonary rehabilitation completed	1	The date the pulmonary rehabilitation was completed	
52	Latest reason pulmonary rehabilitation not completed	1	The code of the latest reason pulmonary rehabilitation not completed	
53	Date of latest reason pulmonary rehabilitation not completed	1	The date of the latest reason pulmonary rehabilitation not completed	
54	Exacerbations recorded	2	The number of all chronic obstructive pulmonary disease exacerbations recorded in the past year	<p>To allow assessment of compliance with audit standards that:</p> <ul style="list-style-type: none"> • The number of a patient's exacerbations in past 12 months should be recorded • Acute exacerbations that do not resolve with bronchodilator therapy should be treated with oral prednisolone • Median number (IQR) of exacerbations per-patient in the last year • Exacerbations associated with purulent sputum should be treated with antibiotics
55	Date of exacerbations recorded	2	The date on which the number of exacerbations was recorded	
56	Code of each exacerbation diagnosis	2	The code of each exacerbation diagnosis recorded within the reporting period (this field should be repeated for each separate diagnosis)	
57	Date of each exacerbation diagnosis	2	The date of each exacerbation diagnosis recorded within the reporting period (this field should be repeated for each separate diagnosis)	
58	Latest oxygen therapy activity	2	The code of the latest oxygen therapy	To allow measurement of mean and median number oxygen

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	recorded		recorded	therapies per-patient in the last 12 months and the % of COPD patients on oxygen therapy; to support assessment of the timeliness and appropriateness of the use of oxygen therapy.
59	Dates of oxygen therapy activity	2	The date of the latest oxygen therapy activity	
60	Latest oxygen therapy assessment	2	The code for the type of assessment for the latest oxygen therapy assessment	To allow assessment of compliance with the audit standard that COPD patients who had oxygen therapy in the last 12 months recorded should have oxygen therapy assessment recorded.
61	Date of oxygen therapy assessment	2	The date of the latest oxygen therapy assessment.	
62	Latest Long-acting Beta-Adrenoceptor Agonist (LABA) Rx	2	The code of the latest LABA Rx prescribed	To support assessment of:
63	Date of LABA Rx prescription	2	The date of the latest LABA Rx prescribed	<ul style="list-style-type: none"> - The % of COPD patients on Inhaled Cortico Steroids (ICS) but not LABA, to allow assessment of compliance with the recommendation that inhaled steroids alone are not recommended or licensed for COPD.
64	Latest LAMA Rx	2	The code of the latest LAMA Rx prescribed	<ul style="list-style-type: none"> - The % of COPD patients with MRC Breathlessness Scale 4 in the last 12 months on triple therapy (Long-Acting Muscarinic Antagonists (LAMA), LABA, ICS), to allow assessment of compliance with the recommendation of triple therapy for people with persistent symptoms and exacerbations despite treatment with ICS and LABA.
65	Date of LAMA Rx prescription	2	The date of the latest LAMA Rx prescribed	
66	Latest inhaled steroids including LABA and ICS	2	The code of the latest inhaled steroid prescribed including LABA and ICS	<ul style="list-style-type: none"> - Compliance with the recommendation of LABA and ICS treatment for people with 2 or more exacerbations in the last 12 months.
67	Date of inhaled steroid including LABA and ICS prescription	2	The date the latest inhaled steroid including LABA and ICS was prescribed.	<ul style="list-style-type: none"> - Compliance with the recommendation for use of ICS in patients where FEV1% is less than 50% of FEV1% predicted.
68	Latest inhaler technique check	1	The code of the latest inhaler technique check	The ability to use an inhaler correctly is critical to its effectiveness; these items allow assessment of compliance with the recommendation for inhaler technique to be checked routinely.
69	Date of inhaler technique check	1	The date of the latest inhaler technique check	

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70	Code of each short-term oral steroid prescription	2	The code of each oral steroid prescription within the reporting period where the prescription was for short-term treatment (this field should be repeated for each separate prescription)	To support assessment of compliance with audit standards relating to treatment of exacerbations with oral steroids
71	Date of each short-term oral steroid prescription Issue: none	2	The date of each oral steroid prescription within the reporting period where the prescription was the short-term treatment (this field should be repeated for each separate prescription)	
72	Code of each short-term antibiotic used in respiratory illness prescription	2	The code of each antibiotic prescription within the reporting period where the prescription was for short-term treatment (this field should be repeated for each separate prescription)	To support assessment of compliance with audit standards relating to treatment of exacerbations with oral antibiotics
73	Date of each short-term antibiotic used in respiratory illness prescription	2	The date of each antibiotic prescription within the reporting period where the prescription was for short-term treatment (this field should be repeated for each separate prescription)	
74	Latest asthma diagnosis	1	The code of the latest asthma diagnosis	To allow assessment of the % of COPD patients where the diagnosis of asthma was recorded in the last 12 months, and the appropriate treatment of patients with both COPD and asthma diagnoses.
75	Date of asthma diagnosis	1	The date of the latest asthma diagnosis	
76	Date of latest asthma resolution	1	The date of the latest 'asthma resolved' code recorded	