

National respiratory audit programme (NRAP)

## National Respiratory Audit Programme (NRAP) Pulmonary rehabilitation (PR) audit - clinical audit dataset Version v4: (November 2023)

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(you can navigate this data set using the interactive menu below)

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| Gener       | ic Data      |  |  |                                  |
|-------------|--------------|--|--|----------------------------------|
| ltem<br>No. | Question     | Text under question  | Pop-up help note   | Validation                       |
|             | Patient data | <ul> <li>Include patients:</li> <li>Who attend an initial assessment for pulmonary rehabilitation</li> <li>who are 18 years or over on the date of assessment</li> <li>For those assessed before 1 April 2024, patients should only be included if they have read the patient information sheet and provided consent (written or verbal) on the audit consent form or via the required verbal</li> </ul> |  |                                  |
| 1.1         | NHS number   | consent process.         The field will accept valid NHS Numbers which are ten digits long.         Optionally, you can enter spaces or dashes or 3-3-4 format.  | Permission has been granted to use the<br>NHS number as a patient identifier for<br>patients assessed from 1 April 2024.<br>Patients assessed before 1 April 2024<br>should have given express consent for<br>the NHS number to be used as a patient<br>identifier. Their data should not be<br>entered into this audit unless the<br>patient has read the patient<br>information sheet and signed the<br>patient consent form.<br>This will be used to determine:<br>case-mix<br>admission rate<br>mortality. | Look of answer option:<br><br>or |

| Generi      | c Data        |   |   |   |
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| ltem<br>No. | Question      | Text under question   | Pop-up help note  | Validation  |
|             |               |   | <ul> <li>The NHS number is essential to create a Patient Record. It should only consist of digits.</li> <li>It may be formatted as 000 000 0000 (spaces) or 000-000-0000 (dashes)</li> <li>It should contain exactly 10 digits.</li> <li>NHS Numbers start with a 4, 6 or 7</li> <li>A warning will be given if the number appears invalid.</li> <li>Use '[NONNHS]' for patients that reside in the UK, but do not have an NHS number.</li> </ul> |   |
| 1.2         | Date of birth | dd/mm/yyyy  | Patients must be at least 18 years old.<br>Date of birth may be entered<br>numerically e.g. 01/03/1957 can be<br>inputted as 1 3 57.  | <ul> <li>Date required.</li> <li>The web tool only allows patients that are: <ul> <li>aged 18 years and over</li> <li>aged under 115 years old</li> <li>at the date of assessment.</li> </ul> </li> <li>Cannot be a future date.</li> </ul> |
| 1.3         | Gender        | Please enter the patient's gender as it appeared in the notes/referral information. | The 'Other' should be used for patients<br>who do not recognise themselves as<br>either male, female, or transgender.   | <ul> <li>Radio buttons five options:</li> <li>Male</li> <li>Female</li> <li>Transgender</li> <li>Other</li> <li>Not recorded/Preferred not to say</li> </ul>  |

| Gener       | Generic Data  |   |   |   |  |
|-------------|---------------|---|---|---|--|
| ltem<br>No. | Question      | Text under question   | Pop-up help note  | Validation  |  |
|             |               |   | If the gender for the patient cannot be determined 'Not recorded/Preferred not to say' should be selected.  | Can select one option only.   |  |
| 1.4         | Home postcode | Please enter the full postcode.<br>For patients with no fixed abode use '[NFA]' | Permission has been given to facilitate<br>case-mix adjustment and understand<br>local referral trends.   | Allows '[NFA]' for patients with no fixed abode.  |  |
| 1.5         | Ethnicity     |   | Permission has been given to collect<br>data on ethnicity to facilitate case-mix<br>adjustments and understand variances<br>in clinical outcomes for different<br>groups. | Drop down list options:<br>White British<br>White Irish<br>Any other White background<br>White and Black Caribbean<br>White and Black African<br>White and Asian<br>Any other mixed background<br>Indian<br>Pakistani<br>Bangladeshi<br>Any other Asian background<br>Caribbean<br>African<br>Any other Black background<br>Chinese<br>Any other ethnic group |  |

| Generi      | c Data  |   |  |   |
|-------------|---|---|--|---|
| ltem<br>No. | Question  | Text under question   | Pop-up help note   | Validation  |
| 1.6         | Does this patient have a<br>current mental illness or<br>cognitive impairment |   | It is not expected that services ask<br>patients about their current mental<br>health. Please answer this question   | <ul> <li>Not known</li> <li>Not stated</li> <li>Can select one option only</li> <li>Radio button options         <ul> <li>None</li> <li>Anxiety</li> </ul> </li> </ul>  |
|             | recorded?   |   | based on the information recorded in<br>the patient notes.<br>'Other' should be used where the<br>patients is considered to have a mental<br>health illness or cognitive impairment<br>but this does not appear in the options<br>given. | <ul> <li>Depression</li> <li>Severe mental illness,</li> <li>Dementia/mild cognitive<br/>impairment</li> <li>Other</li> <li>Not recorded</li> </ul>   |
|             |   |   |  | Select all that apply, or choose none / not recorded  |
| 1.7         | What is the patient's<br>primary respiratory<br>condition?                    | <ul> <li>Pre/post thoracic surgery includes lung cancer/Lung Volume Recruitment/lung transplant.</li> <li>Pulmonary hypertension includes chronic thromboembolic pulmonary hypertension.</li> </ul> | Range of conditions included in BTS Oct<br>2023 clinical statement.  | Radio button options<br><b>Can select one option only</b><br>• COPD<br>• asthma<br>• bronchiectasis<br>• interstitial lung disease<br>• long COVID<br>• pre/post thoracic surgery (including<br>lung cancer/LVR/lung transplant)<br>• pulmonary hypertension<br>• chronic heart failure |

| Generi      | eneric Data  |  |   |   |  |
|-------------|--|--|---|---|--|
| ltem<br>No. | Question   | Text under question  | Pop-up help note  | Validation  |  |
|             |  |  |   | • other chronic respiratory disease   |  |
| 1.7a        | Does the patient have any<br>of the following other<br>respiratory conditions? | COPD, asthma, bronchiectasis, interstitial lung<br>disease, long COVID, pre/post thoracic surgery<br>(including lung cancer/LVR/lung transplant),<br>pulmonary hypertension, chronic heart failure,<br>other chronic respiratory disease | pre/post thoracic surgery- lung<br>cancer/Lung Volume Recruitment/lung<br>transplant.<br>Pulmonary hypertension- chronic<br>thromboembolic pulmonary<br>hypertension. | <ul> <li>Radio button options <ul> <li>No /none</li> <li>COPD</li> <li>asthma</li> <li>bronchiectasis</li> <li>interstitial lung disease</li> <li>long COVID</li> <li>pre/post thoracic surgery (including lung cancer/LVR/lung transplant)</li> <li>pulmonary hypertension</li> <li>chronic heart failure</li> <li>other chronic respiratory disease</li> <li>not recorded</li> </ul> </li> <li>Select all that apply or choose 'none' or 'not recorded'</li> <li>Cannot select same condition as Q.1.7</li> </ul> |  |

| Progra      | Programme referral                      |  |   |  |  |
|-------------|---|--|---|--|--|
| ltem<br>No. | Question                                | Text under question  | Pop-up help note  | Validation   |  |
| 2.1         | Date of receipt of referral             | dd/mm/yyyy<br>If this is not known, please leave the date box<br>blank and select 'Not known'. | For this question, please enter the date<br>the referral letter was received by your<br>programme, <b>not</b> the date of the letter.<br>This maps to the British Thoracic<br>Society's 'Quality Standards for<br>Pulmonary Rehabilitation in Adults'<br>quality statements 1b and 3b (all<br>subsequent references to these quality<br>standards will solely list the relevant<br>quality statement).                          | Look of answer options:<br>//<br>□ Not known<br>Can enter date value <u>OR</u> select 'Not known'<br>only.<br>Date options:<br>• Enable entry of: Date <u>OR</u> 'Not known'<br>• Date should not be in the future<br>Date should not be before 01/01/18 |  |
| 2.2         | Where was the patient<br>referred from? |  | <ul> <li>'Primary care- includes referrals for patients treated at <ul> <li>home</li> <li>or in a community location</li> </ul> </li> <li>'Secondary Care — includes referrals for all patients from secondary care.</li> <li>'Secondary Care – post admission for AECOPD' - includes referrals for patients treated in hospital.<br/>Grey out unless COPD selected<br/><i>This maps to BTS quality statement 3.</i></li> </ul> | <ul> <li>Radio buttons four options:</li> <li>Primary Care</li> <li>Secondary Care</li> <li>Post AECOPD</li> <li>Self referral</li> <li>Can select one option only.</li> </ul>   |  |

| Progra      | Programme referral   |  |   |   |  |
|-------------|--|--|---|---|--|
| ltem<br>No. | Question   | Text under question  | Pop-up help note                                  | Validation  |  |
| 2.3         | Date of initial Pulmonary<br>Rehabilitation (PR)<br>assessment appointment | dd/mm/yyyy<br>Please enter the first date the patient was<br>assessed with the view of enrolling them onto<br>a PR programme.<br>Does not include telephone contact to book<br>assessment. Does not include date offered, if<br>patient DNAs or rearranges assessment. | This maps to BTS quality statements 1b<br>and 3b. | <ul> <li>Date required.</li> <li>Date options:</li> <li>Cannot be before date in 2.1, if date is entered.</li> <li>Cannot be in the future.</li> <li>Cannot be before 01/03/19</li> </ul> |  |

| tem<br>No. | Question                    | Text under question                             | Pop-up help note  | Validation   |
|------------|-----------------------------|---|---|--|
| Nhat v     | vere the most recent availa | able values for the following:                  |   |  |
| 3.1        | FEV1% predicted             | Please enter a percentage between 10% and 125%. | Can be values provided by the referrer.<br><i>This maps to BTS quality statement 8.</i> | <ul> <li>To appear only if COPD selected.</li> <li>Look of answer options: <ul> <li>%</li> </ul> </li> <li>□ Not recorded</li> <li>Can enter numeric value <u>OR</u> select 'Not recorded' only.</li> </ul> <li>Numeric option must be a: <ul> <li>percentage</li> <li>maximum of 3 digits</li> <li>whole numbers only (values with 1 decimal place or more will be rounded up or down)</li> <li>number between 10 and 125.</li> </ul> </li> |

| Key clir    | Key clinical information at time of assessment  |  |  |  |  |
|-------------|---|--|--|--|--|
| ltem<br>No. | Question  | Text under question  | Pop-up help note   | Validation   |  |
| 3.2         | FEV1/FVC ratio  | Please enter a value between 0.20 and 0.95.  | Can be values provided by the referrer.<br><i>This maps to BTS quality statement 8.</i>  | To appear only if COPD selected.<br>Look of answer option:<br>   |  |
| 3.3         | What was the patient<br>reported MRC (Medical<br>Research Council) score at<br>assessment | Give the score as reported by the patient at<br>assessment or select 'Not recorded'. | Grade 1 – Not troubled by<br>breathlessness except on strenuous<br>exercise.<br>Grade 2 – Short of breath when<br>hurrying or walking up a slight hill.<br>Grade 3 – Walks slower than<br>contemporaries on level ground<br>because of breathlessness or has to<br>stop for breath when walking at own<br>pace.<br>Grade 4 – Stops for breath after walking<br>about 100 metres [109 yards] or after a<br>few minutes on level ground.<br>Grade 5 – Too breathless to leave the<br>house or breathless when dressing or<br>undressing. | <ul> <li>Radio buttons six options:</li> <li>Grade 1</li> <li>Grade 2</li> <li>Grade 3</li> <li>Grade 4</li> <li>Grade 5</li> <li>Not recorded</li> <li>Can select one option only.</li> </ul> |  |

| Key clin    | Key clinical information at time of assessment |                     |  |            |
|-------------|--|---------------------|--|------------|
| ltem<br>No. | Question                                       | Text under question | Pop-up help note                                     | Validation |
|             |  |                     | <i>This maps to BTS quality statements 1a and 2.</i> |            |

| Assessi     | Assessment tests and questionnaires                                |  |  |  |  |
|-------------|--|--|--|--|--|
| ltem<br>No. | Question   | Text under question  | Pop-up help note   | Validation   |  |
| What ex     | ercise tests were recorded at                                      | initial assessment?  |  |  |  |
| 4.1         | Which walking test did you<br>record during initial<br>assessment? | Pick one walking test OR select 'No walking<br>test conducted' OR 'No walking test conducted<br>- assessment done remotely'. | This maps to BTS quality statements 8<br>and 9.<br>'No walking test conducted -<br>assessment done remotely' should be<br>selected for those patients whose<br>walking test could not be completed<br>due to the PR programme being<br>conducted remotely. | <ul> <li>Radio buttons four options:</li> <li>Incremental shuttle walk test (ISWT)</li> <li>Six-minute walk test (6MWT)</li> <li>No walking test conducted</li> <li>No walking test conducted - assessment done remotely</li> <li>Can select one option only.</li> </ul> |  |
| 4.1a        | What was the value in metres?                                      | Record as a whole number between 0 and 1020.   | Record the highest number of metres performed during test.   | Greyed out if 'No walking test conducted'<br>OR 'no walking test conducted - assessment<br>done remotely' selected for 4.1.<br>If test selected, numeric value required.   |  |

| Assess           | Assessment tests and questionnaires  |   |  |   |  |
|------------------|--|---|--|---|--|
| ltem<br>No.      | Question   | Text under question   | Pop-up help note   | Validation  |  |
|                  |  |   |  | Numeric option must be:<br>• a whole number only<br>between 0 and 1020  |  |
| 4.1b             | Was a practice walking<br>test performed at the time<br>of the initial assessment? |   | <i>This maps to BTS quality statements 8 and 9.</i>                                      | Greyed out if 'No walking test conducted'<br>OR 'no walking test conducted - assessment<br>done remotely' selected for 4.1. |  |
|                  |  |   |  | If test selected at 4.1, radio buttons two<br>options:<br>• Yes<br>• No<br>Can select one option only.                      |  |
| 4.2              | Did you also record the<br>Endurance shuttle walk<br>test (ESWT)?                  | Only answer if ESWT was performed.                          | <i>This maps to BTS quality statements 8 and 9.</i>                                      | <ul> <li>Radio buttons two options:</li> <li>Yes</li> <li>No</li> <li>Can select one option only.</li> </ul>                |  |
| 4.2a             | If 'Yes', what was the value in seconds?   | Record as a whole number between 0 and 1200.                |  | Greyed out if 'No' selected for 4.2.<br>If 'Yes' selected, numeric value required.  |  |
|                  |  |   |  | Numeric option must be:<br>• a whole numbers only<br>between 0 and 1200   |  |
|                  | indicate any health status ques<br>cal team if appropriate for pati                | stionnaires completed at initial assessment and pr<br>ient. | ovide values if recorded. Selection of disea   | se specific health questionnaire to be decided  |  |
| <mark>4.3</mark> | - CRQ (Chronic respiratory   | Please answer 'No' if no questionnaire conducted.           | The CRQ includes four areas: dyspnoea, fatigue, emotional function, and                  | Radio buttons<br>Options:   |  |
|                  | questionnaire)   | Otherwise, enter a value between 1 and 7 for<br>each score  | mastery.<br>In each area, scores are obtained by<br>adding the scores for the items that | <ul><li>Yes</li><li>No</li></ul>  |  |

| Assessi     | ment tests and questionnai       | ires  |   |   |
|-------------|----------------------------------|---|---|---|
| ltem<br>No. | Question                         | Text under question   | Pop-up help note  | Validation  |
|             |                                  |   | make up the area and dividing this by<br>the number of items (the value can<br>never therefore be greater than 7).<br>This maps to BTS quality statements 8<br>and 9. | <ul> <li>If 'Yes' selected, enter a value between 1 and 7<br/>for each of the following scores:</li> <li>a. Dyspnoea score</li> <li>b. Fatigue score</li> <li>c. Emotion score</li> <li>d. Mastery score</li> <li>Must enter a value for all options.</li> </ul>  |
| 4.4         | - CAT (COPD<br>assessment test)  | Please answer 'No' if no CAT conducted.   | This maps to BTS quality statements 8 and 9.  | Radio buttons<br>Options:<br>• Yes<br>• No CAT conducted<br>If 'Yes' selected, enter a value between 0-40   |
| 4.5         | - EQ5D (EuroQol- 5<br>Dimension) | Please answer 'No' if EQ5D questionnaire not<br>completed. Otherwise, please complete the<br>EQ5D elements.<br>The EQ5D 'thermometer value': please enter a<br>value between 0 and 100, where 100 means<br>the best health and 0 means the worst possible<br>health imaginable. | This maps to BTS quality statements 8<br>and 9.   | <ul> <li>Radio buttons</li> <li>Options: <ul> <li>Yes</li> <li>No EQ5D questionnaire conducted</li> </ul> </li> <li>If 'Yes' selected, please complete these EQ5D elements. <ul> <li>a. Mobility</li> <li>b. Self-care</li> <li>c. Usual activities</li> <li>d. Pain/ discomfort</li> <li>e. Anxiety/ depression</li> </ul> </li> </ul> |

| Assessment tests and questionnaires |          |                     |                  |                      |
|-------------------------------------|----------|---------------------|------------------|----------------------|
| ltem<br>No.                         | Question | Text under question | Pop-up help note | Validation           |
|                                     |          |                     |                  | f. Thermometer value |

| Key inf     | ormation relating to the pr  | ogramme  |  |   |
|-------------|--|--|--|---|
| ltem<br>No. | Question   | Text under question  | Pop-up help note   | Validation  |
| 5.1         | Post assessment, was the<br>patient enrolled onto a PR<br>programme? | If a patient was not enrolled onto a PR<br>programme, then you will not need to answer<br>any further questions. | If the patient was not enrolled onto PR<br>after assessment on clinical grounds<br>(e.g. co-morbidities, psycho-social<br>problems, hospitalisation, death etc.)<br>please record 'No - Clinically<br>unsuitable'.<br>If the patient declined an offer of PR<br>(e.g. for personal, social, transport<br>reasons) please record 'No - Patient<br>choice'.<br>This maps to BTS quality statements 1b<br>and 3b. | <ul> <li>Radio buttons three options:</li> <li>Yes</li> <li>No – Clinically unsuitable</li> <li>No – Patient choice</li> <li>Can select one option only.</li> </ul> |
| 5.1a        | If 'Yes', enter start date   | dd/mm/yyyy   | If the patient was enrolled onto a PR<br>programme, please enter the start date<br>of the course.  | <ul> <li>If 'Yes' selected for 5.1, date required.</li> <li>Date options:</li> <li>Cannot be before date entered in 2.1, if date is entered</li> </ul>              |

| ltem<br>No. | Question  | Text under question  | Pop-up help note   | Validation  |
|-------------|---|----------------------|--|---|
|             |   |                      |  | <ul><li>Cannot be before date entered in 2.3</li><li>Cannot be in the future</li></ul>  |
| 5.2         | Was the patient enrolled<br>on a <b>centre-based or</b><br><b>home-based</b> PR<br>programme? | Tick all that apply. | A centre-based PR programme is a PR<br>programme which is actively supervised<br>in a venue provided by the service, by<br>an appropriate healthcare professional.   | <ul> <li>Radio button, two options:</li> <li>Centre-based</li> <li>Home-based</li> <li>Can select all that apply.</li> </ul>  |
|             |   |                      | <ul> <li>Home-based includes any PR</li> <li>programme that is delivered in the</li> <li>patient's home. This includes any home-</li> <li>based PR delivered: <ul> <li>In person</li> <li>Video-conferencing</li> <li>Phone calls (including the manual programme s such as SPACE)</li> <li>Other digital communication (structured email contact, appbased programmes etc)</li> </ul> </li> </ul> |   |
| 5.2a        | If home-based, what was<br>the method of delivery?  | Tick all that apply. | If an appropriate healthcare<br>professional liaised with the patient via<br>structured email contact, then please<br>select 'Other digital communication'.<br>If the patient was given an app-based<br>programme to follow at home, and no<br>further structured contact was received,<br>please select 'Other digital<br>communication'.   | <ul> <li>Grey out if 'Centre-based' is selected at 5.2.</li> <li>'Check box' type if 'Home-based' selected for 5.2, four options: <ul> <li>In person</li> <li>Video-conferencing</li> <li>Phone calls</li> <li>Other digital communication</li> </ul> </li> <li>Can select all that apply.</li> </ul> |

| Key in      | formation relating to the p                                   | programme   |   |   |
|-------------|---|---|---|---|
| ltem<br>No. | Question  | Text under question   | Pop-up help note  | Validation  |
|             |   |   | If the patient undertook a manual PR programme e.g. SPACE, select 'Phone calls'.  |   |
| 5.3         | Total number of<br>supervised PR sessions<br><b>scheduled</b> | Please enter the total number of supervised<br>sessions (centre or home-based) that were<br>planned for this patient <u>at initial assessment</u> ,<br>as a whole number. | A supervised PR session is a PR session<br>which is actively supervised by the<br>service, by an appropriate healthcare<br>professional.<br>The supervision must be structured and<br>relate directly to the exercise<br>completed by the patient as part of<br>their prescribed PR programme.<br><i>This maps to BTS quality statement 4.</i><br>*The evidence base is that programmes<br>should last for a minimum of 6 weeks,<br>not including assessments, supervised,<br>and delivered twice weekly. | Numeric value required.<br>• Whole numbers only<br>Must be between 1 – 50   |
| 5.4         | Total number of<br>supervised PR sessions<br><b>received</b>  |   | If the patient did not receive any<br>supervised sessions in either category,<br>please enter 0 (zero). If the patient<br>dropped out before beginning PR or<br>during the programme, then please<br>record 0 or the relevant number of<br>sessions and record the drop-out<br>reason in section 6.   | <ul> <li>Look of answer options:</li> <li>a) Group sessions =</li> <li>b) 1:1 sessions =</li> <li>Numeric options:</li> <li>Must be whole numbers only</li> <li>Options must be between 0 - 50</li> </ul> |

| Key inf     | Key information relating to the programme |                     |   |            |  |
|-------------|---|---------------------|---|------------|--|
| ltem<br>No. | Question                                  | Text under question | Pop-up help note                                | Validation |  |
|             |   |                     | Do not include initial or discharge assessment. |            |  |
|             |   |                     | This maps to BTS quality statement 4.           |            |  |

| Key in      | Key information at discharge                                   |  |                                       |   |  |
|-------------|--|--|---------------------------------------|---|--|
| ltem<br>No. | Question   | Text under question  | Pop-up help note                      | Validation  |  |
| 6.1         | Was a discharge<br>assessment performed?                       | If you answer 'No' to this question, you will be<br>able to save the record as complete and will<br>not need to complete the rest of the dataset.<br>If the patient dropped out part way through<br>the programme select the drop-out reason.<br>If the patient completed the PR programme<br>but did not attend the discharge assessment,<br>select 'No - DNA'. | This maps to BTS quality statement 4. | <ul> <li>Radio buttons four options:</li> <li>Yes</li> <li>No – drop-out – health reasons</li> <li>No – drop-out – patient choice</li> <li>No - DNA</li> <li>Can select one option only.</li> </ul> |  |
| 6.1a        | If 'Yes', what was the date<br>of the discharge<br>assessment? | dd/mm/yyyy   |                                       | <ul> <li>If 'Yes' selected for 6.1, date required.</li> <li>Date options:</li> <li>Cannot be before date in 5.1a</li> <li>Cannot be in the future</li> </ul>  |  |

| Key inf     | Key information at discharge   |                     |                                       |  |  |
|-------------|--|---------------------|---------------------------------------|--|--|
| ltem<br>No. | Question   | Text under question | Pop-up help note                      | Validation   |  |
| 6.1b        | If 'Yes', was an<br>individualised written<br>discharge exercise plan<br>provided for the patient? |                     | This maps to BTS quality statement 7. | <ul> <li>Radio buttons two options:</li> <li>Yes</li> <li>No</li> <li>Can select one option only.</li> </ul> |  |

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| ltem<br>No. | Question  | Text under question   | Pop-up help note  | Validation  |
|-------------|---|---|---|---|
| 7.1         | What was the patient<br>reported MRC score at<br>discharge? | Give the score as reported by the patient at assessment or select 'Not recorded'. | <ul> <li>Grade 1 – Not troubled by<br/>breathlessness except on strenuous<br/>exercise.</li> <li>Grade 2 – Short of breath when<br/>hurrying or walking up a slight hill.</li> <li>Grade 3 – Walks slower than<br/>contemporaries on level ground<br/>because of breathlessness, or has to<br/>stop for breath when walking at own<br/>pace.</li> </ul> | <ul> <li>Radio buttons six options:</li> <li>Grade 1</li> <li>Grade 2</li> <li>Grade 3</li> <li>Grade 4</li> <li>Grade 5</li> <li>Not recorded</li> </ul> Can select one option only. |

| Discha      | rge tests  |   |  |   |
|-------------|--|---|--|---|
| ltem<br>No. | Question   | Text under question   | Pop-up help note   | Validation  |
| 7.2         | Which walking test did you<br>record during the<br>discharge assessment? | You can only answer this question if an initial<br>walking test (4.1) and discharge assessment<br>was performed, and you can only choose the<br>same test as recorded in 4.1. | <ul> <li>Grade 4 – Stops for breath after walking about 100 metres [109 yards] or after a few minutes on level ground.</li> <li>Grade 5 – Too breathless to leave the house or breathless when dressing or undressing.</li> <li>This maps to BTS quality statements 1a and 2.</li> <li>This maps to BTS quality statements 8 and 9.</li> <li>'No walking test conducted - assessment done remotely' should be selected for those patients whose walking test could not be completed due to the PR programme being conducted remotely.</li> </ul> | Greyed out if 'No walking test conducted'<br>OR 'no walking test conducted - assessment<br>done remotely' is selected at 4.1.<br>Radio buttons four options:<br>Incremental shuttle walk test (ISWT)<br>Six-minute walk test (6MWT)<br>No walking test conducted<br>No walking test conducted - assessment<br>done remotely<br><b>Can select one option only.</b><br>Can only choose same test as recorded in<br>4.1 OR 'No walking test conducted' OR 'no<br>walking test conducted - assessment done<br>remotely' |
| 7.2a        | What was the value in metres?  | Record as a whole number between 0 and 1020.  |  | Greyed out if 'No walking test conducted'<br>OR 'no walking test conducted - assessment<br>done remotely' selected for 7.2.<br>If 'ISWT' or '6MWT' selected, numeric value<br>required.   |

| Discharge tests   |   |   |   |   |  |  |
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| ltem<br>No.   | Question  | Text under question   | Pop-up help note  | Validation  |  |  |
|   |   |   |   | Numeric option must be:<br>• a whole number only<br>between 0 and 1020  |  |  |
| 7.3   | Did you also record the ESWT at discharge?                          | Can only record as yes if yes recorded in 4.2.  | <i>This maps to BTS quality statements 8 and 9.</i>   | Radio buttons two options:<br>• Yes<br>• No   |  |  |
|   |   |   |   | <b>Can select one option only.</b><br>Can only record as yes if yes recorded in 4.2.  |  |  |
| 7.3a  | If 'Yes', what was the value in seconds?                            | Record as a whole number between 0 and 1200.  |   | Greyed out if 'No' selected for 7.3.<br>If 'Yes' selected for 7.3, numeric value required.  |  |  |
|   |   |   |   | <ul><li>Numeric option must be:</li><li>a whole numbers only between 0 and 1200</li></ul>   |  |  |
| Please indicate any health status questionnaires completed at discharge and provide values if recorded. Selection of disease specific health questionnaire to be decided by clinical team if appropriate for patient. |   |   |   |   |  |  |
| 7.4   | <ul> <li>CRQ (Chronic<br/>respiratory<br/>questionnaire)</li> </ul> | Please answer 'No' if no questionnaire<br>conducted.<br>Otherwise, enter a value between 1 and 7 for<br>each of the following scores: | Scoring guidelines:<br>In each domain, add the scores for<br>those questions and divide by the<br>number of questions in that domain. | Greyed out if 'No questionnaire conducted'<br>is selected at 4.3.<br>Radio buttons:   |  |  |
|   |   | <b>Note</b> This section can only be completed if an intial CRQ questionnaire was completed (q4.3).                                   | This maps to BTS quality statements 8 and 9.  | <ul> <li>Yes</li> <li>No questionnaire conducted</li> <li>If 'Yes' selected, numeric values required:</li> <li>a. Dyspnoea score</li> </ul> |  |  |

| Discharge tests |                                  |   |   |   |  |  |
|-----------------|----------------------------------|---|---|---|--|--|
| ltem<br>No.     | Question                         | Text under question   | Pop-up help note                                | Validation  |  |  |
|                 |                                  |   |   | <ul> <li>b. Fatigue score</li> <li>c. Emotion score</li> <li>d. Mastery score</li> <li>Must enter a value for all options.</li> </ul>   |  |  |
| 7.5             | - CAT (COPD<br>assessment test)  | Please answer 'No' if no questionnaire<br>conducted.<br><b>Note</b> This section can only be completed if an<br>initial CAT score was completed (q4.4).   | This maps to BTS quality statements 8<br>and 9. | Greyed out if 'No CAT conducted' is selected<br>at 4.4.<br>Radio buttons:<br>• Yes<br>• No CAT conducted<br>If 'Yes' selected, numeric values required:<br>Enter single score between 0-40  |  |  |
| 7.6             | - EQ5D (EuroQol- 5<br>Dimension) | <ul> <li>Please answer 'No' if questionnaire not completed. Otherwise, please complete these EQ5D elements.</li> <li>Note This section can only be completed if an intial EQ5D questionnaire was completed (q4.5).</li> <li>EQ5D 'thermometer value: Please enter a value between 0 and 100, where 100 means the best health and 0 means the worst possible health imaginable.</li> </ul> | This maps to BTS quality statements 8<br>and 9. | Greyed out if 'No EQ5D conducted' is<br>selected at 4.5.<br>Radio buttons:<br>Yes<br>No EQ5D conducted<br>If 'Yes' selected, please complete these<br>EQ5D elements.<br>a. Mobility<br>b. Self-care<br>c. Usual activities<br>d. Pain/ discomfort<br>e. Anxiety/ depression |  |  |

| Dischar     | Discharge tests |                     |                  |                      |  |  |  |  |
|-------------|-----------------|---------------------|------------------|----------------------|--|--|--|--|
| ltem<br>No. | Question        | Text under question | Pop-up help note | Validation           |  |  |  |  |
|             |                 |                     |                  | f. Thermometer value |  |  |  |  |