

| Measure Number | Theme   | Measure   | Description & Provenance   | Name of KPI (where commissioned)  | Numerator  | Denominator   | Period Type | Frequency | Data Source Numerator  | Data Source Denominator   | Data presentation | Target  | Interpretation Guidance | Construction                       | Data Quality Concerns        | Error Measurement | Notes_1   |
|----------------|---|---|--|---|--|---|-------------|-----------|--|---------------------------|-------------------|---|-------------------------|------------------------------------|------------------------------|-------------------|---|
| HBOT_01        | Effectiveness   | Wound Healing   | Percentage of elective patients in whom wound is significantly improved  | Wound healing outcome (where commissioned)  | Number of elective patients in whom wound is significantly improved  | Number of elective patients who were referred for treatment of a wound                        | Monthly     | Quarterly | Clinical database  | Clinical database         | Run chart         | To be decided   | Higher is better        | (Numerator/denominator)*100        |                              |                   | Record data regarding only those patients who have completed HBO treatment in the reporting period. Definitions of 'significantly improved' - a. required amputation level lower than anticipated prior to HBO; b.reduction of inflammation with granulating tissue over at least 80% of the remaining wound bed and new epithelialisation present since start of HBO, or c. healed |
| HBOT_02        | Effectiveness   | Patient Quality of Life   | Use EQSD as the Quality of Life measure  | Improvement in Patient Quality of Life self assessment (general) from prior to treatment to 3 months post treatment           | Differential between EQSD score 3 months post treatment and score prior to first treatment for elective patients   | Number of elective patients who have completed EQSD questionnaires before and after treatment | N/A         | Quarterly | Patient feedback from Questionnaire - database required        | N/A                       | Run chart         | To be decided   | Higher is better        | Final score minus initial score    | dependent on patient returns |                   | Include data regarding only those patients who have completed questionnaires both prior to first treatment and 3 months post treatment and have completed the post-treatment questionnaire in the reporting period. Differential = Total of Scores for these patients 3 months post treatment minus total of scores for these patients prior to first                               |
| HBOT_03        | Effectiveness   | Asymptomatic following treatment  | Percentage of divers returning to pre-morbid functional state following treatment  | Proportion of divers returning to pre-morbid functional state (occupation and activities of daily living) following treatment | Number of divers returning to pre-morbid functional state (occupation and activities of daily living) following treatment  | Total number of divers treated  | Monthly     | Quarterly | Therapy database   | Therapy database          | Run chart         | To be decided   | Higher is better        | (Numerator/denominator)*100        |                              |                   | Include data regarding only those divers who have completed treatment in the reporting period.  |
| HBOT_04        | Effectiveness   | Referral time to treatment  | Mean time lag from referral date to HBOT treatment date  | Referral date to treatment  | Total number of days from referral date to treatment   | Total number of patients who have started treatment   | N/A         | Quarterly | Monitoring of referral and funding process                     | Clinical database/SUS CDS | Run chart         | To be decided   | Lower is better         | treatment date minus referral date |                              |                   | Include data regarding only those patients who required a decision on funding and have started treatment in the reporting period.   |
| HBOT_05        | Effectiveness   | Funding decision to treatment   | Mean time lag from request for funding to funding decision   | Request for funding to funding decision   | Total number of days from request for funding to funding decision  | Number of patients for whom a request for funding is required                                 | N/A         | Quarterly | Monitoring of referral and funding process                     | Clinical database/SUS CDS | Run chart         | To be decided   | Lower is better         | decision date minus request date   |                              |                   | Include data regarding only those patients for whom a funding decision has been made in the reporting period. NB Decision to treat to be recorded explicitly in patient notes held in the   |
| HBOT_06        | Patient Experience  | Provision of information to patients  | Percentage of patients who reported that quality of information provided was adequate  | Quality of provision of information to patients   | Number of patients who reported that quality of information provided was adequate  | Number of patients who returned a completed patient feedback form                             | N/A         | Quarterly | Patient feedback from Questionnaire - database required        | N/A                       | Run chart         | To be decided   | Higher is better        | (Numerator/denominator)*100        |                              |                   | Include data regarding only those patients who have provided information within the reporting period.   |
| HBOT_07        | Patient Experience  | Protection from abuse   | Percentage of patients who reported that they felt safe and secure during treatment  | Protection from abuse   | Number of patients who reported that they felt safe and secure during treatment  | Number of patients who returned a completed patient feedback form                             | N/A         | Quarterly | Patient feedback from Questionnaire - database required        | N/A                       | Run chart         | To be decided   | Higher is better        | (Numerator/denominator)*100        | dependent on patient returns |                   | Include data regarding only those patients who have provided information within the reporting period.   |
| HBOT_08        | Patient Experience  | Informed decision making  | Percentage of patients who reported that information and support provided for decision making was adequate   | Informed decision making  | Number of patients who reported that information and support provided for decision making was adequate   | Number of patients who returned a completed patient feedback form                             | N/A         | Quarterly | Patient feedback from Questionnaire - database required        | N/A                       | Run chart         | To be decided   | Higher is better        | (Numerator/denominator)*100        | dependent on patient returns |                   | Include data regarding only those patients who have provided information within the reporting period.   |
| HBOT_09        | Patient Experience  | Human rights and diversity  | Percentage of patients who reported that they felt their treatment and support was provided in a way that ensures their human rights and diversity are respected.                            | Human rights and diversity  | Number of patients who reported that they felt their treatment and support was provided in a way that ensures their human rights and diversity are respected.                            | Number of patients who returned a completed patient feedback form                             | N/A         | Quarterly | Patient feedback from Questionnaire - database required        | N/A                       | Run chart         | To be decided   | Higher is better        | (Numerator/denominator)*100        | dependent on patient returns |                   | Include data regarding only those patients who have provided information within the reporting period.   |
| HBOT_10        | Proportion of patients who returned a completed patient feedback form | Human rights and diversity  | Percentage of patients who returned a completed patient feedback form  | Sequential patients completing a patient feedback form  | Number of patients who returned a completed patient feedback form  | Total number of patients who have completed treatment   | N/A         | Quarterly | Patient feedback from Questionnaire - database required        | N/A                       | Run chart         | To be decided   | Higher is better        | (Numerator/denominator)*100        | dependent on patient returns |                   |   |
| HBOT_11        | Safety  | Any adverse event thought by anyone in the team to be significant in the care of patients | The percentage of exposures associated with adverse events thought by anyone in the care of patients or the conduct of the hyperbaric unit, other than events covered by HBOT_12, 13, 14, 15 | Near misses and other significant events not covered elsewhere  | Number of adverse events thought by anyone in the team to be significant in the care of patients or the conduct of the hyperbaric unit, other than events covered by HBOT_12, 13, 14, 15 | Total number of patient treatments  | Monthly     | Quarterly | Significant event records                                      | Clinical database/SUS CDS | Run chart         | To be decided   | Lower is better         | (Numerator/denominator)*100        |                              |                   |   |
| HBOT_12        | Safety  | 30-day mortality  | Mortality within 30 days of treatment  | 30-day mortality  | Number of deaths within 30 days of any episode of HBOT treatment.  | Total number of patients treated  | Monthly     | Quarterly | medical records / notifications                                | Clinical database/SUS CDS | Run chart         | No greater than expected for the same patient population had they not undergone hyperbaric oxygen therapy | Lower is better         | (Numerator/denominator)*100        |                              |                   |   |
| HBOT_13        | Safety  | Non-fatal illness and injury  | The percentage of exposures associated with avoidable illness or injury attributable to HBO  | Non-fatal illness and injury  | Number of non-fatal illnesses and injuries attributable to attendance and not covered by HBOT_14 & HBOT_15   | Total number of patient treatments  | Monthly     | Quarterly | Significant event records / medical records / supervisor's log | Clinical database/SUS CDS | Run chart         | To be decided   | Lower is better         | (Numerator/denominator)*100        |                              |                   | Include only new cases which have not been counted in previous reporting periods.   |
| HBOT_14        | Safety  | Refractive changes  | The percentage of patients who develop refractive changes as a result of treatment   | Refractive changes  | Number of patients with refractive changes resulting in a deterioration of visual acuity of at least one whole line on a Snellen chart   | Total number of patients treated  | Monthly     | Quarterly | Clinical records & database                                    | Clinical database/SUS CDS | Run chart         | To be decided   | Lower is better         | (Numerator/denominator)*100        |                              |                   | Include only new cases which have not been counted in previous reporting periods.   |
| HBOT_15        | Safety  | Ear barotrauma  | Typical complications of HBO should be recorded  | Ear barotrauma  | Number of discrete episodes of ear barotrauma worse than Grade 1 on the Teed scale   | Total number of patient treatments  | Monthly     | Quarterly | Medical notes / database                                       | Clinical database/SUS CDS | Run chart         | To be decided   | Lower is better         | (Numerator/denominator)*100        |                              |                   | Include all new episodes, including those in patients who have had previous episodes which have since resolved. NB: ICD 10 Code for otitic barotrauma is T70.0  |