

Level 2 Data and Meeting Booklet

14th December 2016



Programme

14th December 2016

Mary Ward House, 5-7 Tavistock Square, London WC1H 9SN

| Time | Topic | Speaker/s |
|------------------|--|---|
| 1000-1030 | Arrival and Coffee | |
| 1030-1045 | Welcome and Objectives | Dr Dale Gardiner Deputy National CLOD |
| 1045-1200 | Best Practice Sharing Session <ul style="list-style-type: none"> • Dr Karl Blenk CLOD, James Paget University NHS Trust • Dr Carole Pilkington CLOD, East Lancashire Hospitals NHS Trust • Dr Tuhin Goswami CLOD, East Sussex Healthcare NHS Trust • Dr Tim Jackson CLOD, Calderdale & Huddersfield NHS Trust • Dr Mark Haslam CLOD, Gloucestershire Hospitals NHS Foundation Trust | |
| 1200-1215 | Coffee | |

3 Breakout sessions (rotation through all three groups)

- Applying PDSA methods to Referral and SNOD involvement
 - James Van Der Walt and Hannah Bartlett-Syree
Professional Development Team
- CLOD Review Recommendations
 - Dr Dale Gardiner
Deputy National CLOD
- Promoting Organ Donation
 - Caroline Rodaway
Senior Marketing & Campaigns Officer

| | | |
|------------------|---|--|
| 1215-1300 | Break Out Session 1 | |
| 1300-1345 | Lunch | |
| 1345-1410 | Improving Organ Utilisation – the role of the donation community | Dr Paul Murphy National CLOD |
| 1410-1455 | Break Out Session 2 | |
| 1455-1510 | Coffee | |
| 1510-1555 | Break Out Session 3 | |
| 1555-1600 | Summary and Close | Dr Paul Murphy National CLOD |

Categorisation of Donation Activity by Level

| | | |
|---------|---|----|
| Level 1 | 12 or more proceeding donors per year (averaged over two years) | 33 |
| Level 2 | 5-12 (> 5 to < 12) proceeding donors per year (averaged over two years) | 45 |
| Level 3 | 3-5 (≥ 3 to ≤ 5) proceeding donors per year (averaged over two years) | 47 |
| Level 4 | < 3 proceeding donors per year (averaged over two years) | 46 |

Trusts
or Boards

For clarity

- 12 donors = Level 1
- 5 donors = Level 3
- 3 donors = Level 3

An additional descriptor is applied to each hospital, as appropriate.

N = Adult Neuro ICU (29)

P = Paediatric ICU (25)

T = Major Trauma Centre (21)
 – currently only applies in England pending possible changes in Northern Ireland, Scotland and Wales

Examples

Level 1 (NPT), is a hospital Trust / Board that has 12 or more proceeding donors per year and also has a Neuro ICU, is a Major Trauma Centre and has a Paediatric ICU.

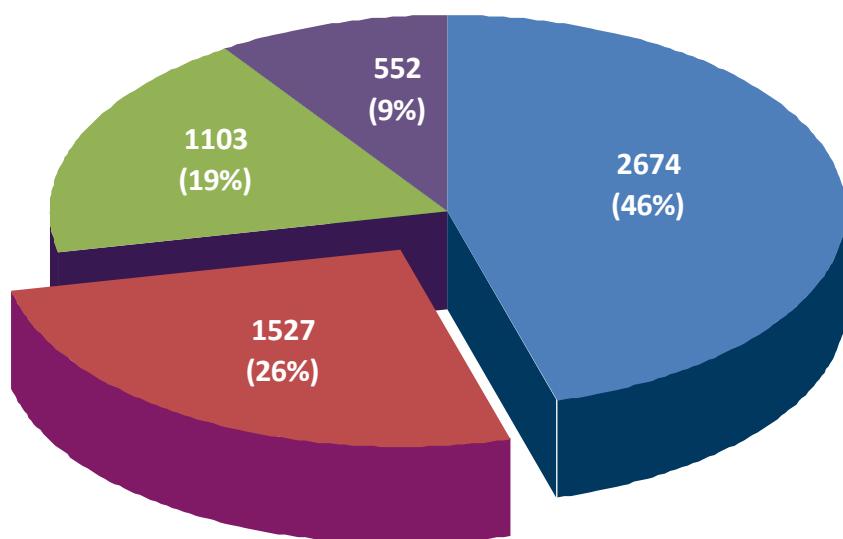
Level 3 (P), is a hospital Trust / Board that has ≥ 3 to ≤ 5 proceeding donors per year and has a Paediatric ICU.

UK Donation by Level



Potential DBD/Eligible DCD donors

1st October 2015 – 30th September 2016

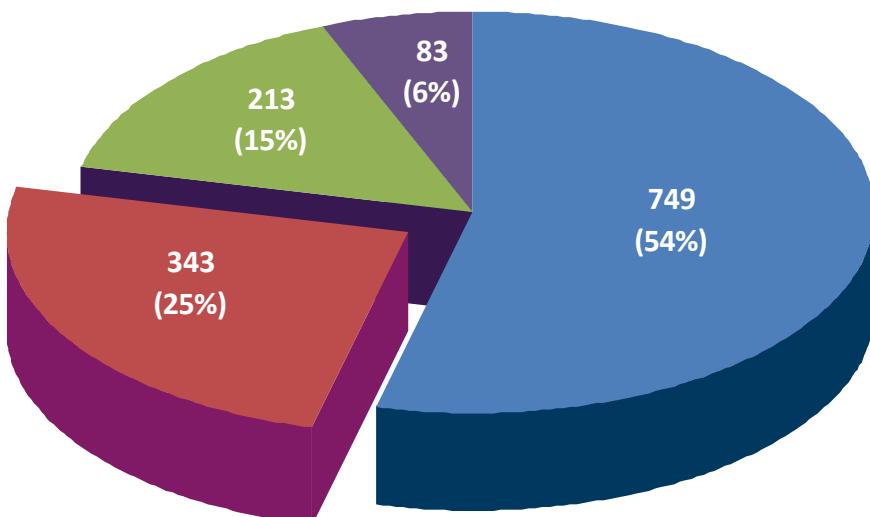


Potential donors after brainstem death (DBD) are defined as patients who have neurological death suspected by meeting all of the following criteria: apnoea, coma from known aetiology and unresponsive, ventilated, fixed pupils. Excluding those for whom cardiac arrest occurred despite resuscitation, brain stem reflexes returned.

Eligible donors after circulatory death (DCD) are defined as patients who had treatment withdrawn and death was anticipated within four hours, with no absolute medical contraindications to solid organ donation.

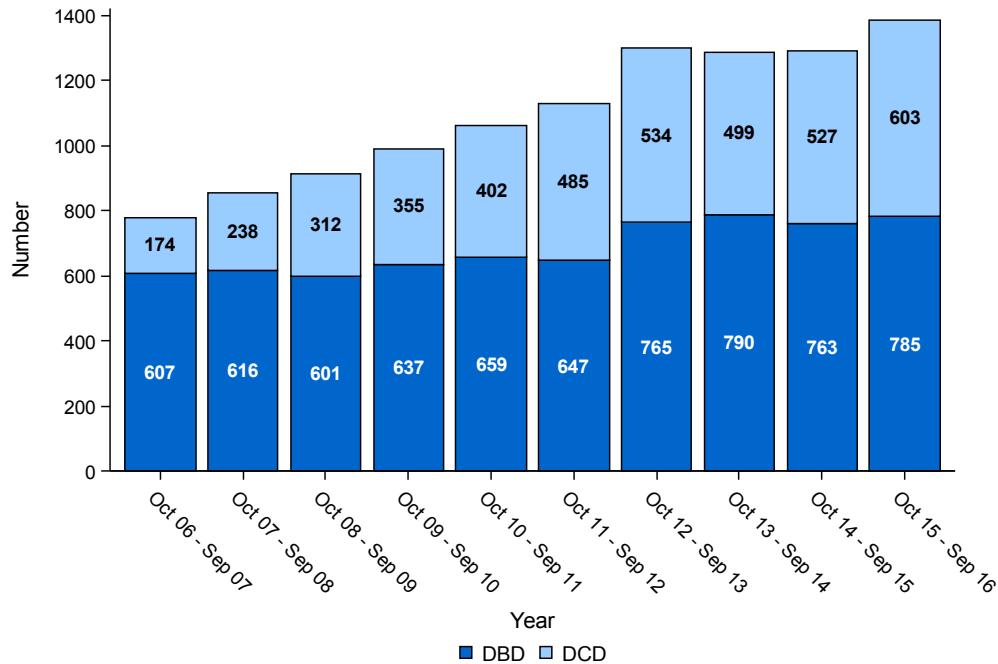
Actual donors

1st October 2015 – 30th September 2016



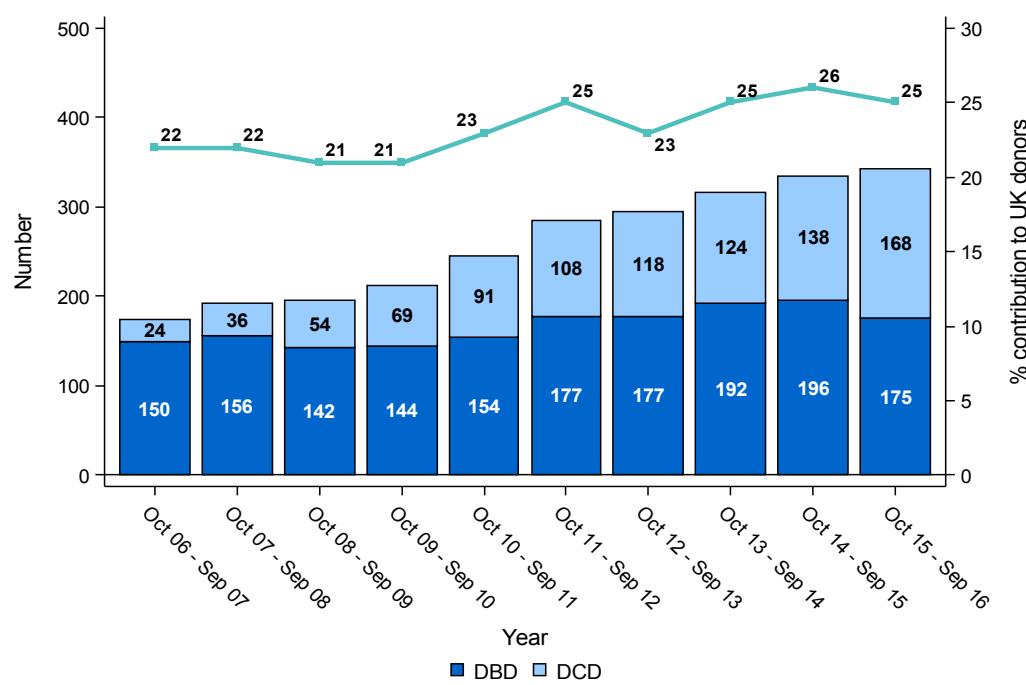
UK actual deceased donors

1st October 2006 – 30th September 2016



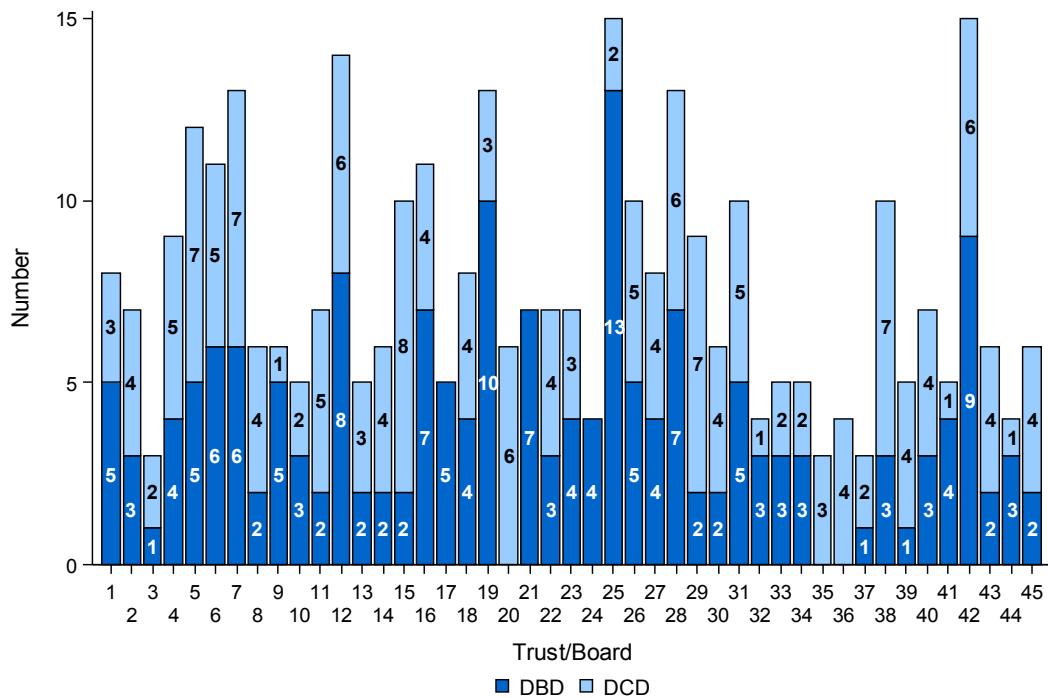
Level 2 actual deceased donors

1st October 2006 – 30th September 2016



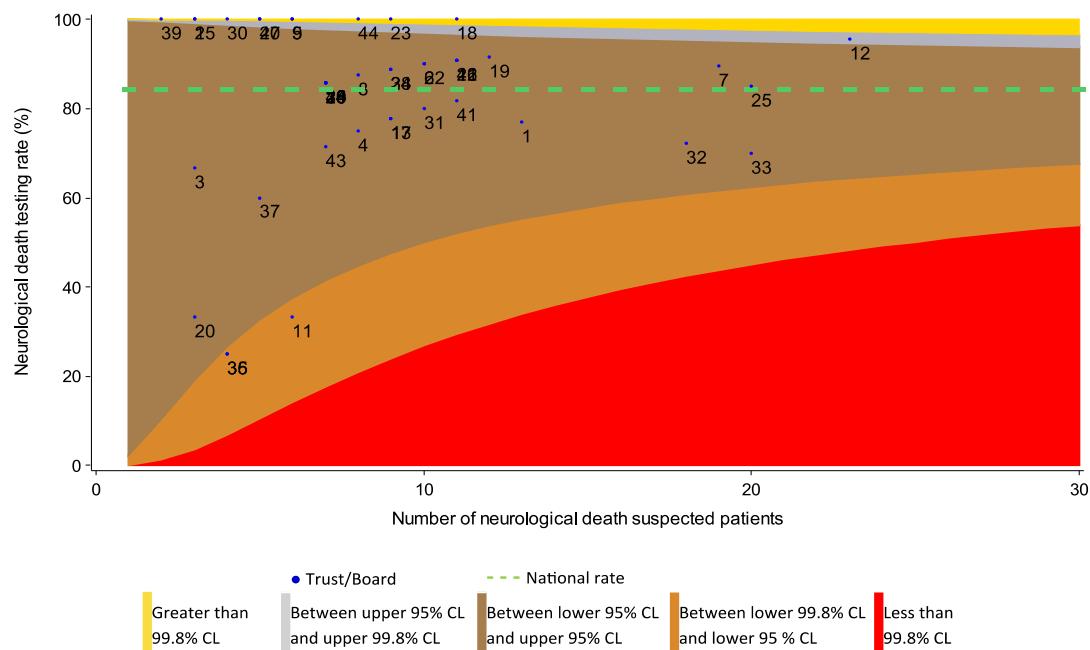
Level 2 actual deceased donors

1st October 2015 – 30th September 2016



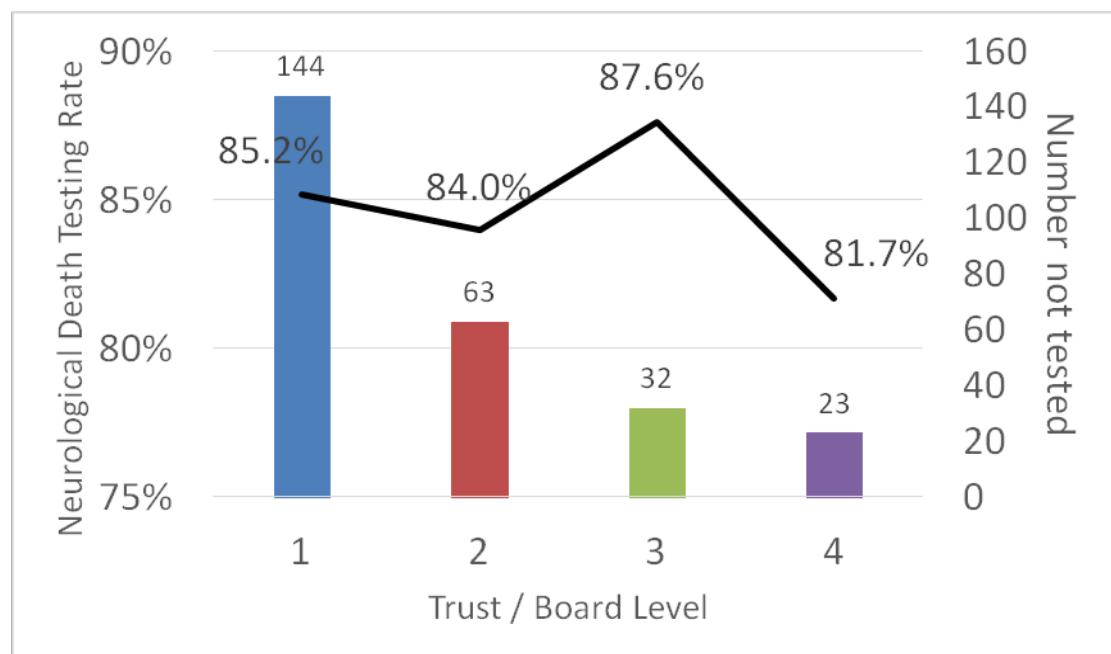
Level 2s neurological death testing rate

1st October 2015 – 30th September 2016



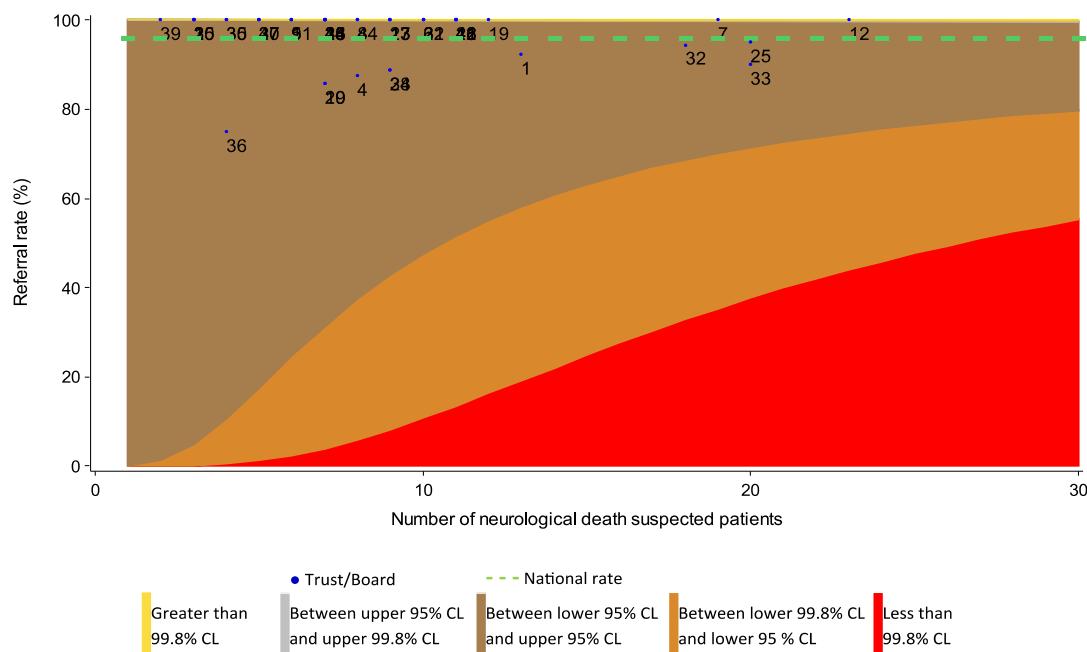
Comparison of neurological death testing by level

1st October 2015 – 30th September 2016



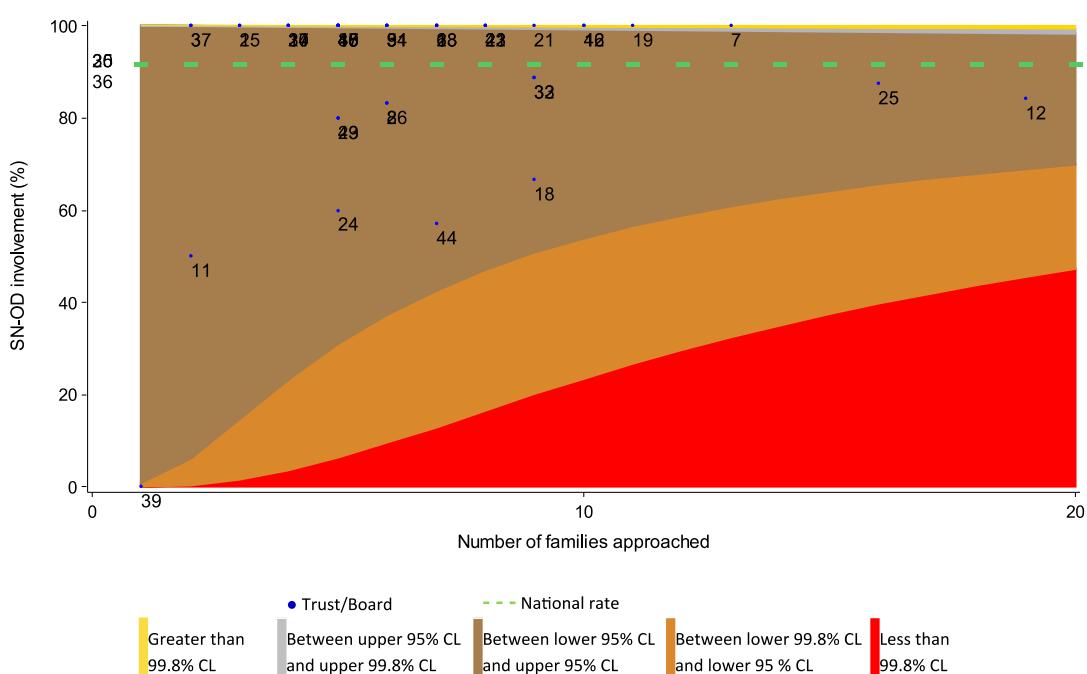
Level 2s DBD referral rate

1st October 2015 – 30th September 2016



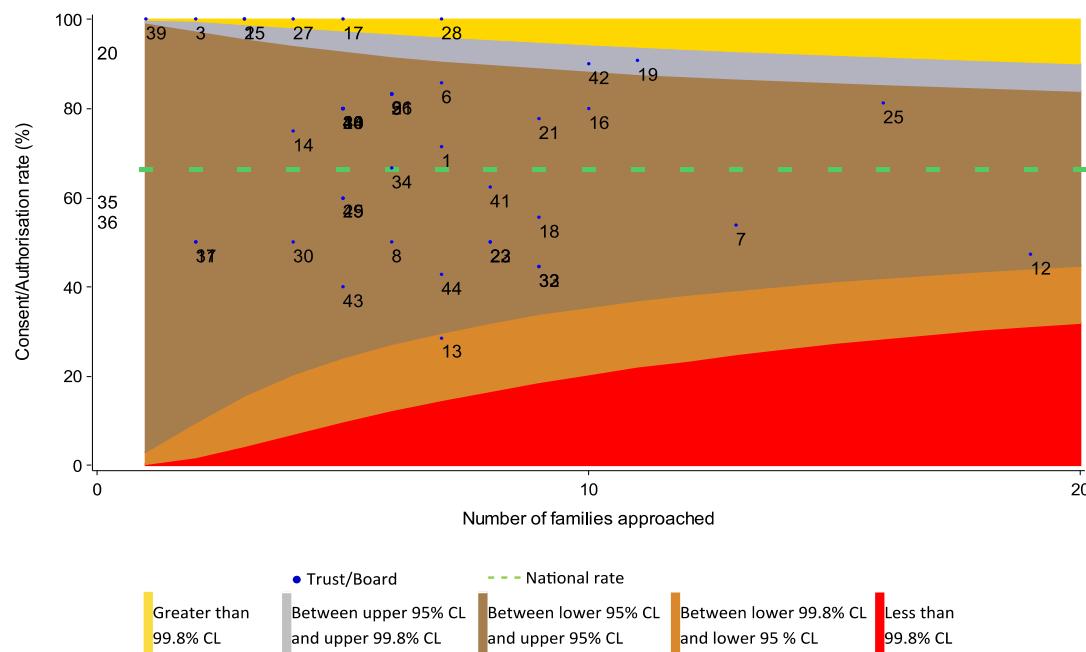
Level 2s DBD SNOD involvement rate

1st October 2015 – 30th September 2016



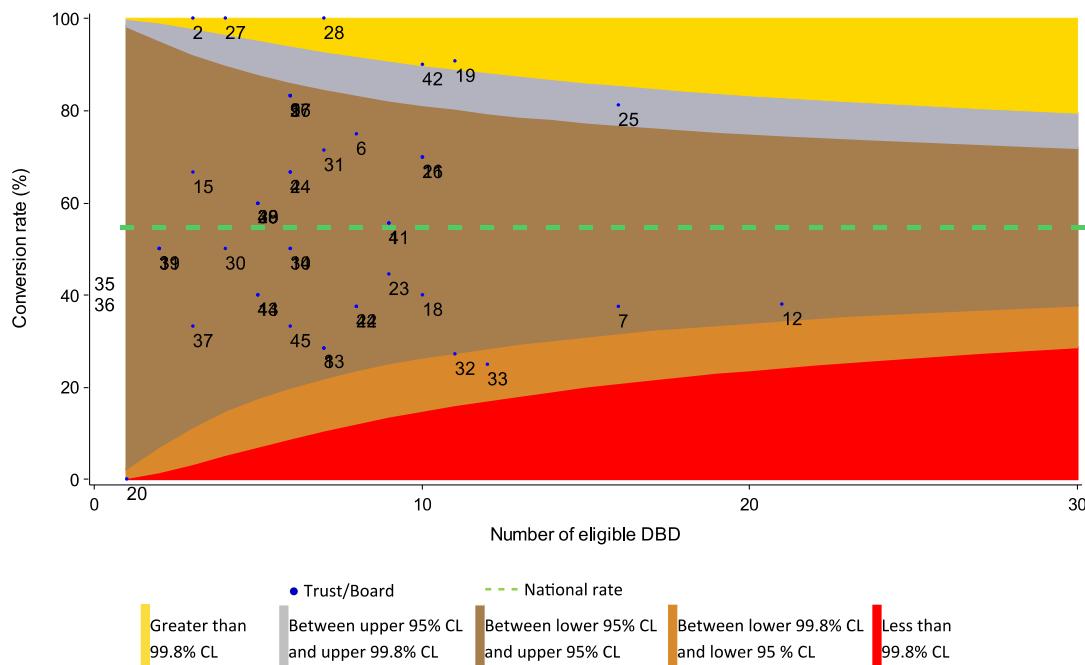
Level 2s DBD consent/authorisation rate

1st October 2015 – 30th September 2016



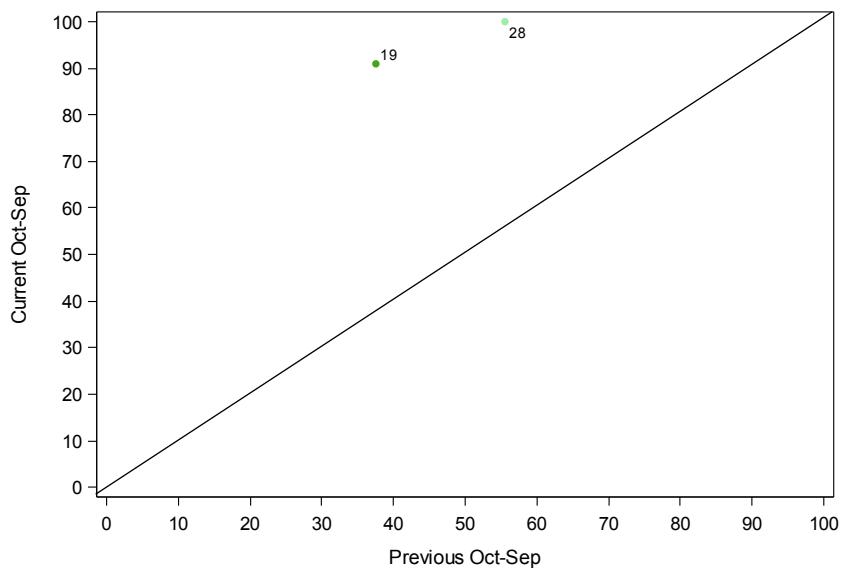
Level 2s DBD conversion rate

1st October 2015 – 30th September 2016



Level 2s DBD conversion rate comparison

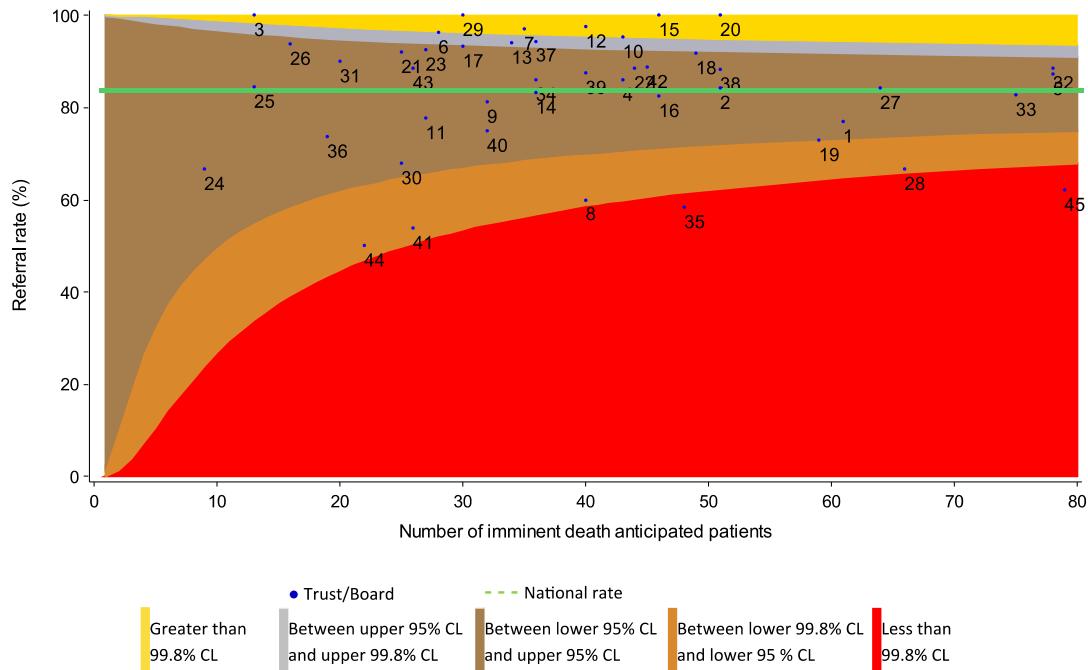
1st October 2014 – 30th September 2016



- **Significant increase at the 5% level**
- **Significant increase at the 10% level**
- **Significant decrease at the 5% level**
- **Significant decrease at the 10% level**

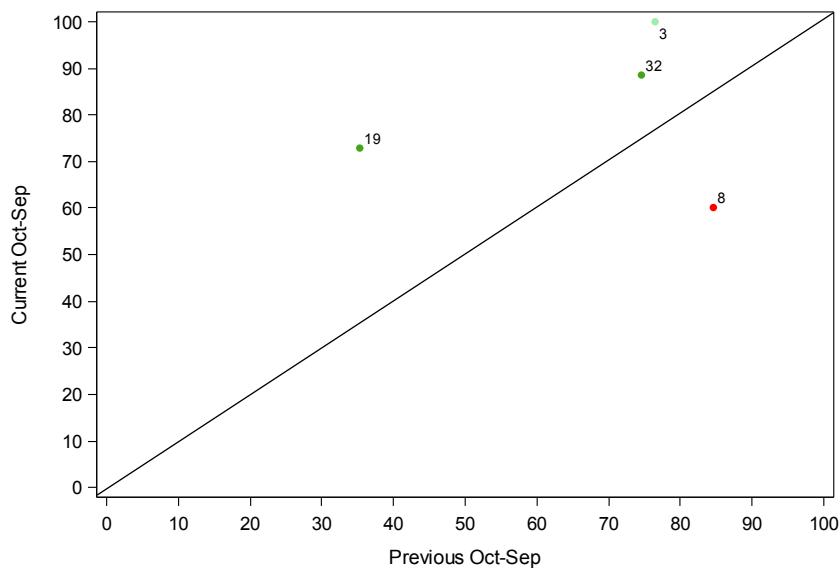
Level 2s DCD referral rate

1st October 2015 – 30th September 2016



Level 2s DCD referral rate comparison

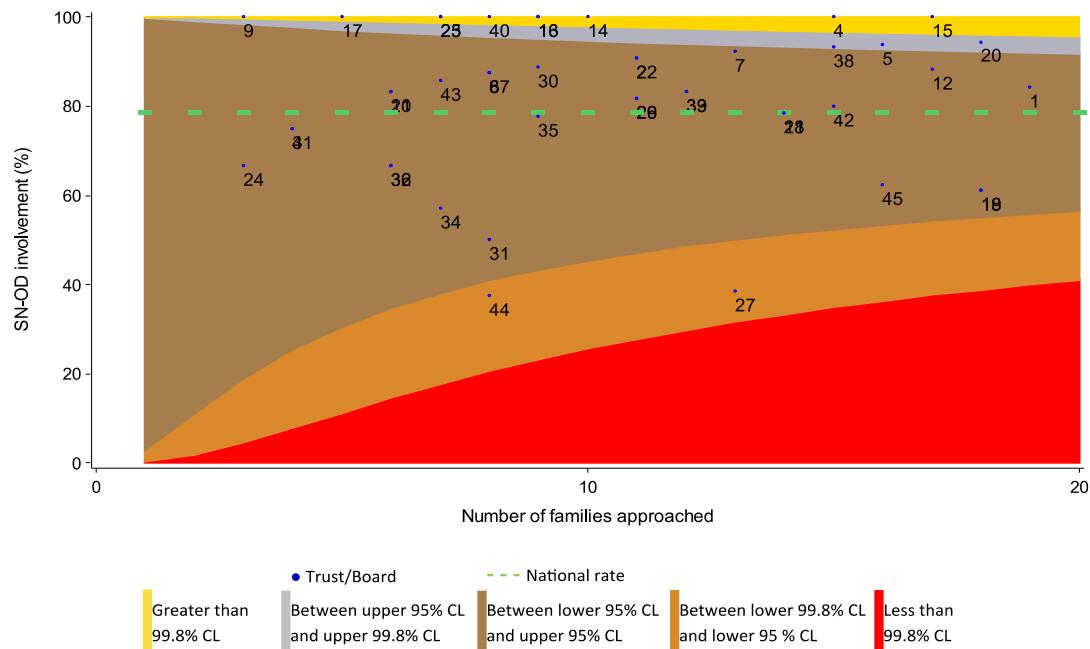
1st October 2014 – 30th September 2016



- ■ Significant increase at the 5% level ■
- ■ Significant increase at the 10% level ■
- ■ Significant decrease at the 5% level ■
- ■ Significant decrease at the 10% level ■

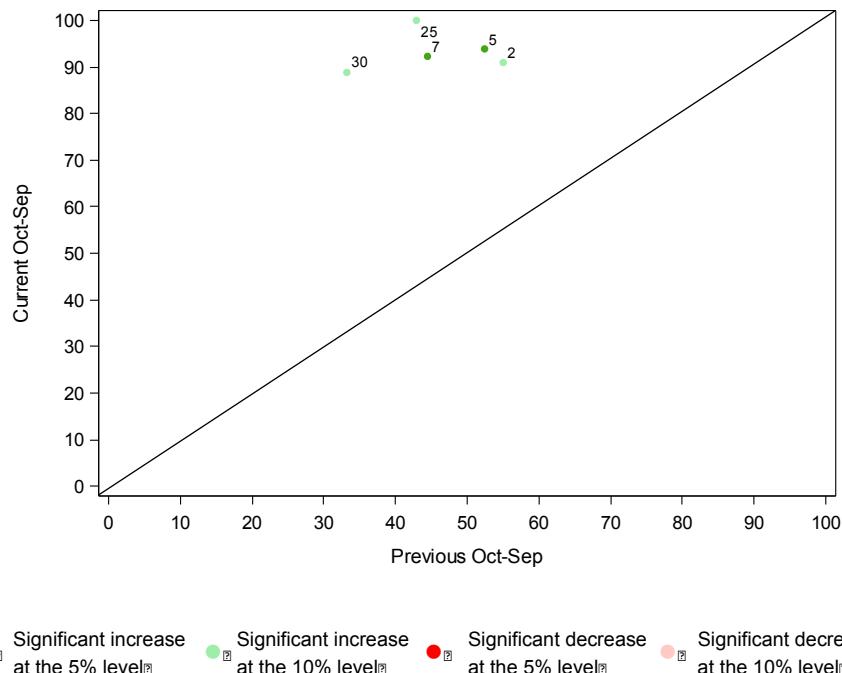
Level 2s DCD SNOD involvement rate

1st October 2015 – 30th September 2016



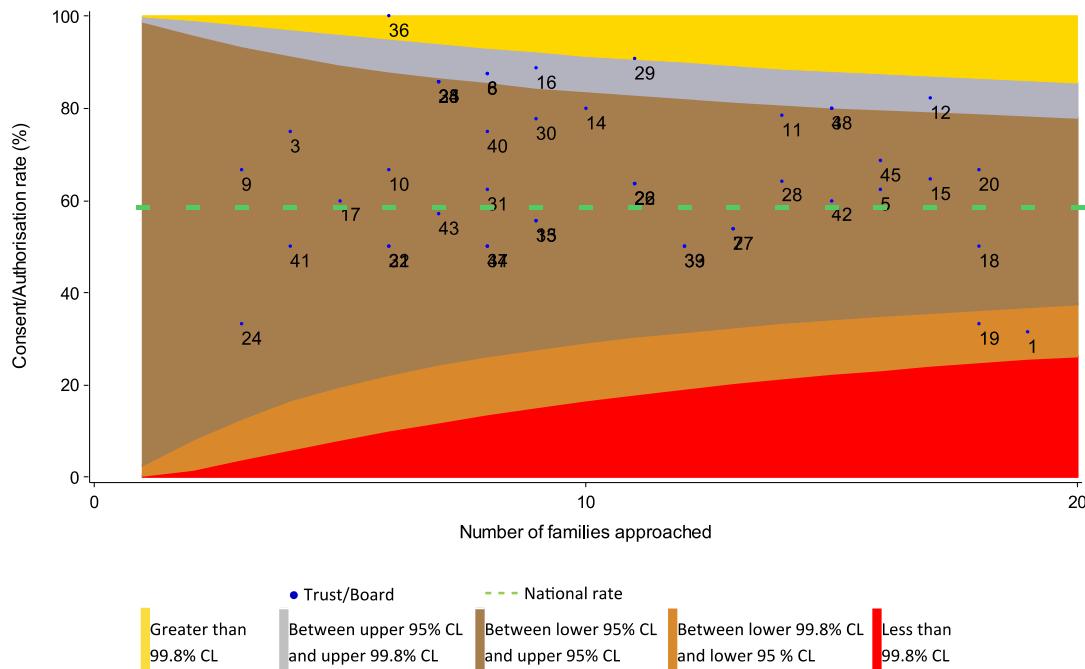
Level 2s DCD SNOD involvement rate comparison

1st October 2014 – 30th September 2016



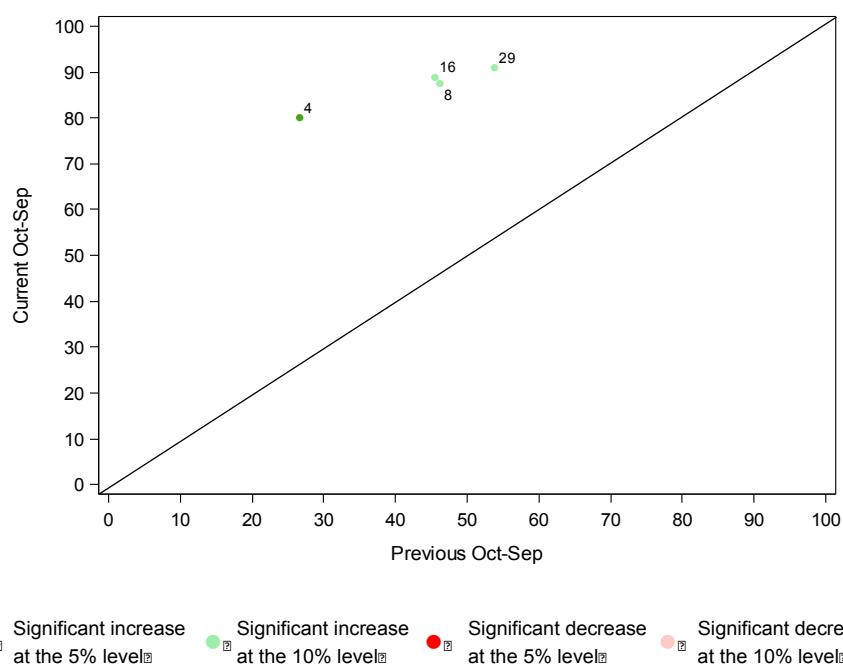
Level 2s DCD consent/authorisation rate

1st October 2015 – 30th September 2016



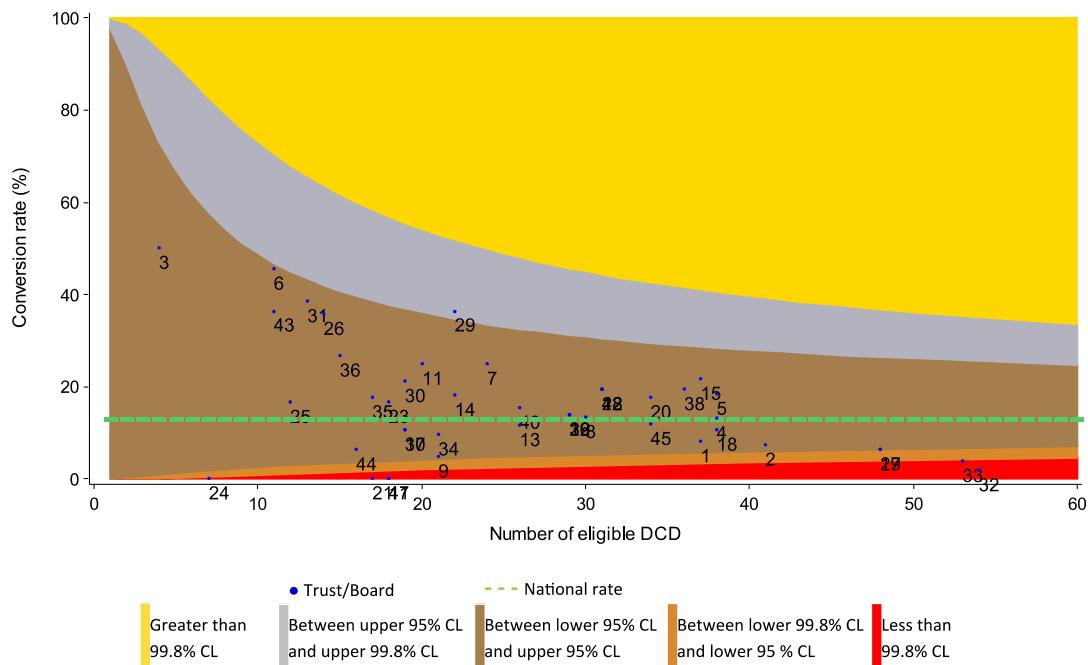
Level 2s DCD consent/authorisation rate comparison

1st October 2014 – 30th September 2016



Level 2s DCD conversion rate

1st October 2015 – 30th September 2016



Level 2: tabulated rates: All

| Trust/board | Neurological death testing rate % (N) | DBD referral rate % (N) | % of approaches where SNOD involved % (N) | DBD consent/authorisation rate % (N) | DCD referral rate % (N) | % of DCD approaches where SNOD involved % (N) | DCD consent/authorisation rate % (N) |
|--|---------------------------------------|-------------------------|---|--------------------------------------|-------------------------|---|--------------------------------------|
| Abertawe Bro Morgannwg University Health Board | 78.9 (13) | 92.3 (13) | 100 (7) | 71.4 (7) | 77 (61) | 84.2 (19) | 31.6 (19) |
| Aneurin Bevan Health Board | 100 (3) | 100 (3) | 100 (3) | 100 (3) | 84.3 (51) | 90.9 (11) | 63.6 (11) |
| Barnsley Hospital NHS Foundation Trust | 66.7 (3) | 100 (3) | 100 (2) | 100 (13) | 75 (4) | 75 (4) | |
| Basildon and Thurrock University Hospitals NHS Foundation Trust | 75 (8) | 87.5 (8) | 100 (5) | 80 (5) | 86 (43) | 100 (15) | 80 (15) |
| Betsi Cadwaladr University Health Board | 100 (6) | 100 (6) | 100 (6) | 83.3 (6) | 87.2 (78) | 93.8 (16) | 62.5 (16) |
| Calderdale and Huddersfield NHS Foundation Trust | 90 (10) | 100 (10) | 100 (7) | 85.7 (7) | 96.4 (28) | 87.5 (8) | 87.5 (8) |
| Central Manchester University Hospitals NHS Foundation Trust | 89.5 (19) | 100 (19) | 100 (13) | 53.8 (13) | 97.1 (35) | 92.3 (13) | 53.8 (13) |
| County Durham and Darlington NHS Foundation Trust | 87.5 (8) | 100 (8) | 83.3 (6) | 50 (6) | 60 (40) | 87.5 (8) | 87.5 (8) |
| Cwm Taf Health Board | 100 (6) | 100 (6) | 100 (6) | 83.3 (6) | 81.3 (32) | 100 (3) | 66.7 (3) |
| Dartford and Gravesham NHS Trust | 85.7 (7) | 85.7 (7) | 100 (5) | 80 (5) | 95.3 (43) | 83.3 (6) | 66.7 (6) |
| Derby Hospitals NHS Foundation Trust | 33.3 (6) | 100 (6) | 50 (2) | 50 (2) | 77.8 (27) | 78.6 (14) | 78.6 (14) |
| East Kent Hospitals University NHS Foundation Trust | 95.7 (23) | 100 (23) | 84.2 (19) | 47.4 (19) | 97.5 (40) | 88.2 (17) | 82.4 (17) |
| East Lancashire Hospitals NHS Trust | 77.8 (9) | 100 (9) | 100 (7) | 28.6 (7) | 94.1 (34) | 100 (9) | 55.6 (9) |
| East Sussex Healthcare NHS Trust | 85.7 (7) | 100 (7) | 100 (4) | 75 (4) | 83.3 (36) | 100 (10) | 80 (10) |
| East and North Hertfordshire NHS Trust | 100 (3) | 100 (3) | 100 (3) | 100 (3) | 100 (46) | 100 (17) | 64.7 (17) |
| Gloucestershire Hospitals NHS Foundation Trust | 90.9 (11) | 100 (11) | 100 (10) | 80 (10) | 82.6 (46) | 100 (9) | 88.9 (9) |
| Great Western Hospitals NHS Foundation Trust | 77.8 (9) | 100 (9) | 100 (5) | 100 (5) | 93.3 (30) | 100 (5) | 60 (5) |
| Guy's and St Thomas' NHS Foundation Trust | 100 (11) | 100 (11) | 66.7 (9) | 55.6 (9) | 91.8 (49) | 61.1 (18) | 50 (18) |
| Heart of England NHS Foundation Trust | 91.7 (12) | 100 (12) | 100 (11) | 90.9 (11) | 72.9 (59) | 61.1 (18) | 33.3 (18) |
| James Paget University Hospitals NHS Foundation Trust | 33.3 (3) | 100 (3) | — | — | 100 (51) | 94.4 (18) | 66.7 (18) |
| Kettering General Hospital NHS Foundation Trust | 90.9 (11) | 100 (11) | 100 (9) | 77.8 (9) | 92 (25) | 83.3 (6) | 50 (6) |
| London North West Healthcare NHS Trust | 90 (10) | 100 (10) | 100 (8) | 50 (8) | 88.6 (44) | 90.9 (11) | 63.6 (11) |
| Medway NHS Foundation Trust | 100 (9) | 100 (9) | 100 (8) | 50 (8) | 92.6 (27) | 100 (7) | 85.7 (7) |
| Mid Essex Hospital Services NHS Trust | 85.7 (7) | 100 (7) | 60 (5) | 80 (5) | 66.7 (9) | 66.7 (3) | 33.3 (3) |
| NHS Lanarkshire | 85 (20) | 95 (20) | 87.5 (16) | 81.3 (16) | 84.6 (13) | 100 (7) | 85.7 (7) |
| NHS Tayside | 85.7 (7) | 100 (7) | 83.3 (6) | 83.3 (6) | 93.8 (16) | 81.8 (11) | 63.6 (11) |
| North Cumbria University Hospitals NHS Trust | 100 (5) | 100 (5) | 100 (4) | 100 (4) | 84.4 (64) | 38.5 (13) | 53.8 (13) |
| Poole Hospital NHS Foundation Trust | 88.9 (9) | 88.9 (9) | 100 (7) | 100 (7) | 66.7 (66) | 78.6 (14) | 64.3 (14) |
| Royal Brompton & Harefield NHS Foundation Trust | 85.7 (7) | 85.7 (7) | 80 (5) | 60 (5) | 100 (30) | 81.8 (11) | 90.9 (11) |
| Royal Cornwall Hospitals NHS Trust | 100 (4) | 100 (4) | 100 (4) | 50 (4) | 68 (25) | 88.9 (9) | 77.8 (9) |
| Royal Devon and Exeter NHS Foundation Trust | 80 (10) | 100 (10) | 100 (6) | 83.3 (6) | 90 (20) | 50 (8) | 62.5 (8) |
| Royal Free London NHS Foundation Trust | 72.2 (18) | 94.4 (18) | 88.9 (9) | 44.4 (9) | 88.5 (78) | 66.7 (6) | 50 (6) |
| Sandwell and West Birmingham Hospitals NHS Trust | 70 (20) | 90 (20) | 88.9 (9) | 44.4 (9) | 82.7 (75) | 83.3 (12) | 50 (12) |
| Shrewsbury and Telford Hospital NHS Trust | 88.9 (9) | 88.9 (9) | 100 (6) | 66.7 (6) | 86.1 (36) | 57.1 (7) | 85.7 (7) |
| Southern Health and Social Care Trust | 25 (4) | 100 (4) | — | — | 58.3 (48) | 77.8 (9) | 55.6 (9) |
| The Royal Bournemouth and Christchuch Hospitals NHS Foundation Trust | 25 (4) | 75 (4) | — | — | 73.7 (19) | 66.7 (6) | 100 (6) |
| United Lincolnshire Hospitals NHS Trust | 60 (5) | 100 (5) | 100 (2) | 50 (2) | 94.4 (36) | 87.5 (8) | 50 (8) |
| University Hospital of South Manchester NHS Foundation Trust | 85.7 (7) | 100 (7) | 100 (5) | 80 (5) | 88.2 (51) | 93.3 (15) | 80 (15) |
| University Hospitals of Morecambe Bay NHS Foundation Trust | 100 (2) | 100 (2) | 0 (1) | 100 (1) | 87.5 (40) | 83.3 (12) | 50 (12) |
| West Hertfordshire Hospitals NHS Trust | 100 (5) | 100 (5) | 100 (5) | 80 (5) | 75 (32) | 100 (8) | 75 (8) |
| Western Health and Social Care Trust | 81.8 (11) | 100 (11) | 100 (8) | — | 62.5 (8) | 53.8 (26) | 75 (4) |
| Western Sussex Hospitals NHS Foundation Trust | 90.9 (11) | 100 (11) | 100 (10) | 90 (10) | 88.9 (45) | 80 (15) | 60 (15) |
| Wirral University Teaching Hospital NHS Foundation Trust | 71.4 (7) | 100 (7) | 80 (5) | 40 (5) | 88.5 (26) | 85.7 (7) | 57.1 (7) |
| Worcester Acute Hospitals NHS Trust | 100 (8) | 100 (8) | 57.1 (7) | 42.9 (7) | 50 (22) | 37.5 (8) | 50 (8) |
| York Teaching Hospital NHS Foundation Trust | 85.7 (7) | 100 (7) | 100 (5) | 60 (5) | 62 (79) | 62.5 (16) | 68.8 (16) |

Level 2: tabulated rates: highlighting gold and silver

| Trust/board | Neurological death testing rate % (N) | DBD referral rate % (N) | % of approaches where SNOD involved % (N) | DBD consent/authorisation rate % (N) | DCD referral rate % (N) | % of DCD approaches where SNOD involved % (N) | DCD consent/authorisation rate % (N) |
|---|---------------------------------------|-------------------------|---|--------------------------------------|-------------------------|---|--------------------------------------|
| Aberdawe Bro Morgannwg University Health Board | 76.9 (13) | 92.3 (13) | 100 (7) | 71.4 (7) | 77 (61) | 84.2 (19) | 31.6 (19) |
| Aneurin Bevan Health Board | 100 (3) | 100 (3) | 100 (3) | 100 (3) | 84.3 (51) | 90.9 (11) | 63.6 (11) |
| Bamsley Hospital NHS Foundation Trust | 66.7 (3) | 100 (3) | 100 (2) | 100 (2) | 100 (13) | 75 (4) | 75 (4) |
| Basildon and Thurrock University Hospitals NHS Foundation Trust | 75 (8) | 87.5 (8) | 100 (5) | 80 (5) | 86 (43) | 100 (15) | 80 (15) |
| Betsi Cadwaladr University Health Board | 100 (6) | 100 (6) | 100 (6) | 83.3 (6) | 87.2 (78) | 93.8 (16) | 62.5 (16) |
| Calderdale and Huddersfield NHS Foundation Trust | 90 (10) | 100 (10) | 100 (7) | 85.7 (7) | 96.4 (28) | 87.5 (8) | 87.5 (8) |
| Central Manchester University Hospitals NHS Foundation Trust | 89.5 (19) | 100 (19) | 100 (13) | 53.8 (13) | 97.1 (35) | 92.3 (13) | 53.8 (13) |
| County Durham and Darlington NHS Foundation Trust | 87.5 (8) | 100 (8) | 83.3 (6) | 50 (6) | 60 (40) | 87.5 (8) | 87.5 (8) |
| Cwm Taf Health Board | 100 (6) | 100 (6) | 100 (6) | 83.3 (6) | 81.3 (32) | 100 (3) | 66.7 (3) |
| Danford and Gravesend NHS Trust | 85.7 (7) | 85.7 (7) | 100 (5) | 80 (5) | 95.3 (43) | 83.3 (6) | 66.7 (6) |
| Denby Hospitals NHS Foundation Trust | 33.3 (6) | 100 (6) | 50 (2) | 50 (2) | 77.8 (27) | 78.6 (14) | 78.6 (14) |
| East Kent Hospitals University NHS Foundation Trust | 95.7 (23) | 100 (23) | 84.2 (19) | 47.4 (19) | 97.5 (40) | 88.2 (17) | 82.4 (17) |
| East Lancashire Hospitals NHS Trust | 77.8 (9) | 100 (9) | 100 (7) | 28.6 (7) | 94.1 (34) | 100 (9) | 55.6 (9) |
| East Sussex Healthcare NHS Trust | 85.7 (7) | 100 (7) | 100 (4) | 75 (4) | 83.3 (36) | 100 (10) | 80 (10) |
| East and North Hertfordshire NHS Trust | 100 (3) | 100 (3) | 100 (3) | 100 (3) | 100 (46) | 100 (17) | 64.7 (17) |
| Gloucestershire Hospitals NHS Foundation Trust | 90.9 (11) | 100 (11) | 100 (10) | 80 (10) | 82.6 (46) | 100 (9) | 88.9 (9) |
| Great Western Hospitals NHS Foundation Trust | 77.8 (9) | 100 (9) | 100 (5) | 100 (5) | 93.3 (30) | 100 (5) | 60 (5) |
| Guy's and St Thomas' NHS Foundation Trust | 100 (11) | 100 (11) | 66.7 (9) | 55.6 (9) | 91.8 (49) | 61.1 (18) | 50 (18) |
| Heart of England NHS Foundation Trust | 91.7 (12) | 100 (12) | 100 (11) | 90.9 (11) | 72.9 (59) | 61.1 (18) | 33.3 (18) |
| James Paget University Hospitals NHS Foundation Trust | 33.3 (3) | 100 (3) | . | . | 100 (51) | 94.4 (18) | 66.7 (18) |
| Kettering General Hospital NHS Foundation Trust | 90.9 (11) | 100 (11) | 100 (9) | 77.8 (9) | 92 (25) | 83.3 (6) | 50 (6) |
| London North West Healthcare NHS Trust | 90 (10) | 100 (10) | 100 (8) | 50 (8) | 88.6 (44) | 90.9 (11) | 63.6 (11) |
| Medway NHS Foundation Trust | 100 (9) | 100 (9) | 100 (8) | 50 (8) | 92.6 (27) | 100 (7) | 85.7 (7) |
| Mid Essex Hospital Services NHS Trust | 85.7 (7) | 100 (7) | 60 (5) | 80 (5) | 66.7 (9) | 66.7 (3) | 33.3 (3) |
| NHS Lanarkshire | 85 (20) | 95 (20) | 87.5 (16) | 81.3 (16) | 84.6 (13) | 100 (7) | 85.7 (7) |
| NHS Tayside | 85.7 (7) | 100 (7) | 83.3 (6) | 83.3 (6) | 93.8 (16) | 81.8 (11) | 63.6 (11) |
| North Cumbria University Hospitals NHS Trust | 100 (5) | 100 (5) | 100 (4) | 100 (4) | 84.4 (64) | 38.5 (13) | 53.8 (13) |
| Portsmouth Hospitals NHS Trust | 88.9 (9) | 88.9 (9) | 100 (7) | 100 (7) | 66.7 (66) | 78.6 (14) | 64.3 (14) |
| Royal Brompton & Harefield NHS Foundation Trust | 85.7 (7) | 85.7 (7) | 80 (5) | 60 (5) | 100 (30) | 81.8 (11) | 90.9 (11) |
| Royal Cornwall Hospitals NHS Trust | 100 (4) | 100 (4) | 100 (4) | 50 (4) | 68 (25) | 88.9 (9) | 77.8 (9) |
| Royal Devon and Exeter NHS Foundation Trust | 80 (10) | 100 (10) | 100 (6) | 83.3 (6) | 90 (20) | 50 (8) | 62.5 (8) |
| Royal Free London NHS Foundation Trust | 72.2 (18) | 94.4 (18) | 88.9 (9) | 44.4 (9) | 88.5 (78) | 66.7 (6) | 50 (6) |
| Sandwell and West Birmingham Hospitals NHS Trust | 70 (20) | 90 (20) | 88.9 (9) | 44.4 (9) | 82.7 (75) | 83.3 (12) | 50 (12) |
| Shrewsbury and Telford Hospital NHS Trust | 88.9 (9) | 88.9 (9) | 100 (6) | 66.7 (6) | 86.1 (36) | 57.1 (7) | 85.7 (7) |
| Southern Health and Social Care Trust | 25 (4) | 100 (4) | . | . | 58.3 (48) | 77.8 (9) | 55.6 (9) |
| The Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust | 25 (4) | 75 (4) | . | . | 73.7 (19) | 66.7 (6) | 100 (6) |
| United Lincolnshire Hospitals NHS Trust | 60 (5) | 100 (5) | 100 (2) | 50 (2) | 94.4 (36) | 87.5 (8) | 50 (8) |
| University Hospital of South Manchester NHS Foundation Trust | 85.7 (7) | 100 (7) | 100 (5) | 80 (5) | 88.2 (51) | 93.3 (15) | 80 (15) |
| University Hospitals of Morecambe Bay NHS Foundation Trust | 100 (2) | 100 (2) | 0 (1) | 100 (1) | 87.5 (40) | 83.3 (12) | 50 (12) |
| West Hertfordshire Hospitals NHS Trust | 100 (5) | 100 (5) | 100 (5) | 80 (5) | 75 (32) | 100 (8) | 75 (8) |
| Western Health and Social Care Trust | 81.8 (11) | 100 (11) | 100 (8) | 62.5 (8) | 53.8 (26) | 75 (4) | 50 (4) |
| Western Sussex Hospitals NHS Foundation Trust | 90.9 (11) | 100 (11) | 100 (10) | 90 (10) | 88.9 (45) | 80 (15) | 60 (15) |
| Wimborne Teaching Hospital NHS Foundation Trust | 71.4 (7) | 100 (7) | 80 (5) | 40 (5) | 88.5 (26) | 85.7 (7) | 57.1 (7) |
| Worcestershire Acute Hospitals NHS Trust | 100 (8) | 100 (8) | 57.1 (7) | 42.9 (7) | 50 (22) | 37.5 (8) | 50 (8) |
| York Teaching Hospital NHS Foundation Trust | 85.7 (7) | 100 (7) | 100 (5) | 60 (5) | 62 (79) | 62.5 (16) | 68.8 (16) |

Level 2: tabulated rates: highlighting bronze

| Trust/board | Neurological death testing rate % (N) | DBD referral rate % (N) | % of approaches where SNOD involved % (N) | DBD consent/authorisation rate % (N) | DCD referral rate % (N) | % of DCD approaches where SNOD involved % (N) | DCD consent/authorisation rate % (N) |
|---|---------------------------------------|-------------------------|---|--------------------------------------|-------------------------|---|--------------------------------------|
| Abertawe Bro Morgannwg University Health Board | 76.9 (13) | 92.3 (13) | 100 (7) | 71.4 (7) | 77 (61) | 84.2 (19) | 31.6 (19) |
| Anesurin Bevan Health Board | 100 (3) | 100 (3) | 100 (3) | 100 (3) | 84 (51) | 90.9 (11) | 63.6 (11) |
| Barnsley Hospital NHS Foundation Trust | 66.7 (3) | 100 (3) | 100 (2) | 100 (2) | 100 (13) | 75 (4) | 75 (4) |
| Basildon and Thurrock University Hospitals NHS Foundation Trust | 75 (8) | 87.5 (8) | 100 (5) | 80 (5) | 86 (43) | 100 (15) | 80 (15) |
| Betsi Cadwaladr University Health Board | 100 (6) | 100 (6) | 100 (6) | 83.3 (6) | 87.2 (78) | 93.8 (16) | 62.5 (16) |
| Calderdale and Huddersfield NHS Foundation Trust | 90 (10) | 100 (10) | 100 (7) | 85.7 (7) | 96.4 (28) | 87.5 (8) | 87.5 (8) |
| Central Manchester University Hospitals NHS Foundation Trust | 89.5 (19) | 100 (19) | 100 (13) | 53.8 (13) | 97.1 (35) | 92.3 (13) | 53.8 (13) |
| County Durham and Darlington NHS Foundation Trust | 87.5 (8) | 100 (8) | 83.3 (6) | 50 (6) | 60 (40) | 87.5 (8) | 87.5 (8) |
| Cwm Taf Health Board | 100 (6) | 100 (6) | 100 (6) | 83.3 (6) | 81.3 (32) | 100 (3) | 66.7 (3) |
| Dartford and Gravesham NHS Trust | 85.7 (7) | 85.7 (7) | 100 (5) | 80 (5) | 95.3 (43) | 83.3 (6) | 66.7 (6) |
| Derby Hospitals NHS Foundation Trust | 33.3 (6) | 100 (6) | 50 (2) | 50 (2) | 77.8 (27) | 78.6 (14) | 78.6 (14) |
| East Kent Hospitals University NHS Foundation Trust | 95.7 (23) | 100 (23) | 84.2 (19) | 47.4 (19) | 97.5 (40) | 88.2 (17) | 82.4 (17) |
| East Lancashire Hospitals NHS Trust | 77.8 (9) | 100 (9) | 100 (7) | 28.6 (7) | 94.1 (34) | 100 (9) | 55.6 (9) |
| East Sussex Healthcare NHS Trust | 85.7 (7) | 100 (7) | 100 (4) | 75 (4) | 83.3 (36) | 100 (10) | 80 (10) |
| East and North Hertfordshire NHS Trust | 100 (3) | 100 (3) | 100 (3) | 100 (3) | 100 (46) | 100 (17) | 64.7 (17) |
| Gloucestershire Hospitals NHS Foundation Trust | 90.9 (11) | 100 (11) | 100 (10) | 80 (10) | 82.6 (46) | 100 (9) | 88.9 (9) |
| Great Western Hospitals NHS Foundation Trust | 77.8 (9) | 100 (9) | 100 (5) | 100 (5) | 93.3 (30) | 100 (5) | 60 (5) |
| Guy's and St Thomas' NHS Foundation Trust | 100 (11) | 100 (11) | 66.7 (9) | 55.6 (9) | 91.8 (49) | 61.1 (18) | 50 (18) |
| Heart of England NHS Foundation Trust | 91.7 (12) | 100 (12) | 100 (11) | 90.9 (11) | 72.9 (59) | 61.1 (18) | 33.3 (18) |
| James Paget University Hospitals NHS Foundation Trust | 33.3 (3) | 100 (3) | . | . | 100 (51) | 94.4 (18) | 66.7 (18) |
| Kettering General Hospital NHS Foundation Trust | 90.9 (11) | 100 (11) | 100 (9) | 77.8 (9) | 92 (25) | 83.3 (6) | 50 (6) |
| London North West Healthcare NHS Trust | 90 (10) | 100 (10) | 100 (8) | 50 (8) | 88.6 (44) | 90.9 (11) | 63.6 (11) |
| Medway NHS Foundation Trust | 100 (9) | 100 (9) | 100 (8) | 50 (8) | 92.6 (27) | 100 (7) | 85.7 (7) |
| Mid Essex Hospital Services NHS Trust | 85.7 (7) | 100 (7) | 60 (5) | 80 (5) | 66.7 (9) | 66.7 (3) | 33.3 (3) |
| NHS Lanarkshire | 85 (20) | 95 (20) | 87.5 (16) | 81.3 (16) | 84.6 (13) | 100 (7) | 85.7 (7) |
| NHS Tayside | 85.7 (7) | 100 (7) | 83.3 (6) | 83.3 (6) | 93.8 (16) | 81.8 (11) | 63.6 (11) |
| North Cumbria University Hospitals NHS Trust | 100 (5) | 100 (5) | 100 (4) | 100 (4) | 84.4 (64) | 38.5 (13) | 53.8 (13) |
| Portsmouth Hospitals NHS Trust | 88.9 (9) | 88.9 (9) | 100 (7) | 100 (7) | 66 (66) | 78.6 (14) | 64.3 (14) |
| Royal Brompton & Harefield NHS Foundation Trust | 85.7 (7) | 85.7 (7) | 80 (5) | 60 (5) | 100 (30) | 81.8 (11) | 90.9 (11) |
| Royal Cornwall Hospitals NHS Trust | 100 (4) | 100 (4) | 100 (4) | 50 (4) | 68 (25) | 88.9 (9) | 77.8 (9) |
| Royal Devon and Exeter NHS Foundation Trust | 80 (10) | 100 (10) | 100 (6) | 83.3 (6) | 90 (20) | 50 (8) | 62.5 (8) |
| Royal Free London NHS Foundation Trust | 72.2 (18) | 94.4 (18) | 88.9 (9) | 44.4 (9) | 88.5 (78) | 66.7 (6) | 50 (6) |
| Sandwell and West Birmingham Hospitals NHS Trust | 70 (20) | 90 (20) | 88.9 (9) | 44.4 (9) | 82.7 (75) | 83.3 (12) | 50 (12) |
| Shrewsbury and Telford Hospital NHS Trust | 88.9 (9) | 88.9 (9) | 100 (6) | 66.7 (6) | 86.1 (36) | 57.1 (7) | 85.7 (7) |
| Southern Health and Social Care Trust | 25 (4) | 100 (4) | . | . | 58.3 (48) | 77.8 (9) | 55.6 (9) |
| The Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust | 25 (4) | 75 (4) | . | . | 73.7 (19) | 66.7 (6) | 100 (6) |
| United Lincolnshire Hospitals NHS Trust | 60 (5) | 100 (5) | 100 (2) | 50 (2) | 94.4 (36) | 87.5 (8) | 50 (8) |
| University Hospital of South Manchester NHS Foundation Trust | 85.7 (7) | 100 (7) | 100 (5) | 80 (5) | 88.2 (51) | 93.3 (15) | 80 (15) |
| University Hospitals of Morecambe Bay NHS Foundation Trust | 100 (2) | 100 (2) | 0 (1) | 100 (1) | 87.5 (40) | 83.3 (12) | 50 (12) |
| West Hertfordshire Hospitals NHS Trust | 100 (5) | 100 (5) | 100 (5) | 80 (5) | 75 (32) | 100 (8) | 75 (8) |
| Western Health and Social Care Trust | 81.8 (11) | 100 (11) | 100 (8) | 62.5 (8) | 53.8 (26) | 75 (4) | 50 (4) |
| Western Sussex Hospitals NHS Foundation Trust | 90.9 (11) | 100 (11) | 100 (10) | 90 (10) | 88.9 (45) | 80 (15) | 60 (15) |
| Wirral University Teaching Hospital NHS Foundation Trust | 71.4 (7) | 100 (7) | 80 (5) | 40 (5) | 88.5 (26) | 85.7 (7) | 57.1 (7) |
| Worcestershire Acute Hospitals NHS Trust | 100 (8) | 100 (8) | 57.1 (7) | 42.9 (7) | 50 (22) | 37.5 (8) | 50 (8) |
| York Teaching Hospital NHS Foundation Trust | 85.7 (7) | 100 (7) | 100 (5) | 60 (5) | 62 (79) | 62.5 (16) | 68.8 (16) |

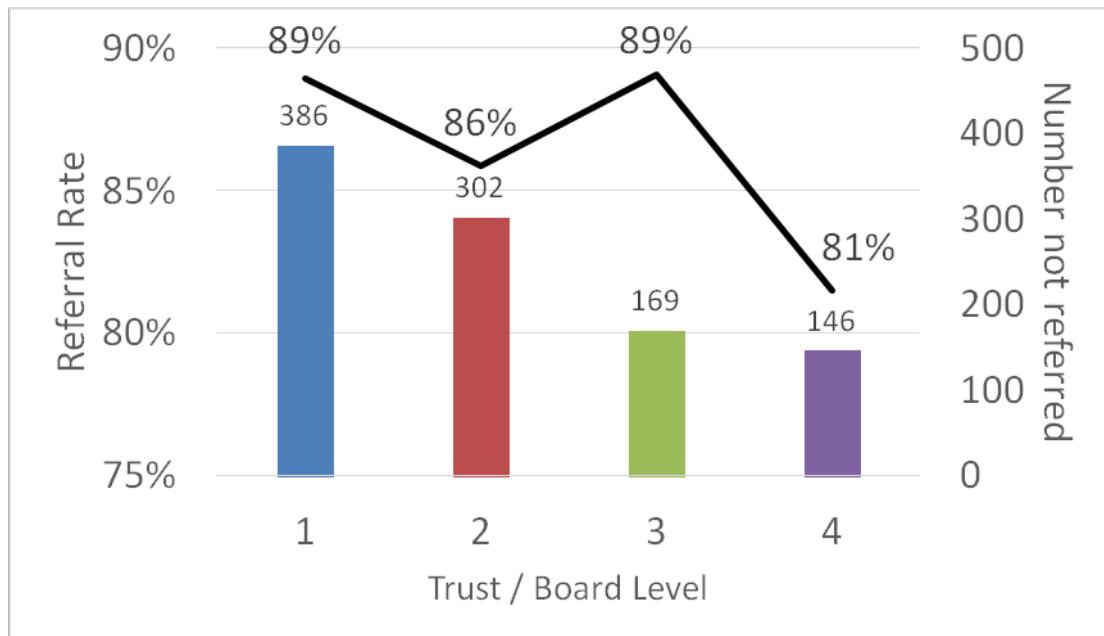
Level 2: tabulated rates: highlighting amber and red

| Trust/board | Neurological death testing rate % (N) | DBD referral rate % (N) | % of approaches where SNOD involved % (N) | DBD consent/authorsation rate % (N) | DCD referral rate % (N) | % of DCD approaches where SNOD involved % (N) | DCD consent/authorsisation rate % (N) |
|---|---------------------------------------|-------------------------|---|-------------------------------------|-------------------------|---|---------------------------------------|
| Abertawe Bro Morgannwg University Health Board | 76.9 (13) | 92.3 (13) | 100 (7) | 71.4 (7) | 77 (61) | 84.2 (19) | 31.6 (19) |
| Aneurin Bevan Health Board | 100 (3) | 100 (3) | 100 (3) | 100 (3) | 84.3 (51) | 90.9 (11) | 63.6 (11) |
| Bamsley Hospital NHS Foundation Trust | 66.7 (3) | 100 (3) | 100 (2) | 100 (2) | 100 (13) | 75 (4) | 75 (4) |
| Basildon and Thurrock University Hospitals NHS Foundation Trust | 75 (8) | 87.5 (8) | 100 (5) | 80 (5) | 86 (43) | 100 (15) | 80 (15) |
| Betsi Cadwaladr University Health Board | 100 (6) | 100 (6) | 100 (6) | 83.3 (6) | 87.2 (78) | 93.8 (16) | 62.5 (16) |
| Calderdale and Huddersfield NHS Foundation Trust | 90 (10) | 100 (10) | 100 (7) | 85.7 (7) | 96.4 (28) | 87.5 (8) | 87.5 (8) |
| Central Manchester University Hospitals NHS Foundation Trust | 89.5 (19) | 100 (19) | 100 (13) | 53.8 (13) | 97.1 (35) | 92.3 (13) | 53.8 (13) |
| County Durham and Darlington NHS Foundation Trust | 87.5 (8) | 100 (8) | 83.3 (6) | 50 (6) | 60 (40) | 87.5 (8) | 87.5 (8) |
| Cwm Taf Health Board | 100 (6) | 100 (6) | 100 (6) | 83.3 (6) | 81.3 (32) | 100 (3) | 66.7 (3) |
| Dartford and Gravesham NHS Trust | 85.7 (7) | 85.7 (7) | 100 (5) | 80 (5) | 95.3 (43) | 83.3 (6) | 66.7 (6) |
| Derby Hospitals NHS Foundation Trust | 33.3 (6) | 100 (6) | 50 (2) | 50 (2) | 77.8 (27) | 78.6 (14) | 78.6 (14) |
| East Kent Hospitals University NHS Foundation Trust | 95.7 (23) | 100 (23) | 84.2 (19) | 47.4 (19) | 97.5 (40) | 88.2 (17) | 82.4 (17) |
| East Lancashire Hospitals NHS Trust | 77.8 (9) | 100 (9) | 100 (7) | 28.6 (7) | 94.1 (34) | 100 (9) | 55.6 (9) |
| East Sussex Healthcare NHS Trust | 85.7 (7) | 100 (7) | 100 (4) | 75 (4) | 83.3 (36) | 100 (10) | 80 (10) |
| East and North Hertfordshire NHS Trust | 100 (3) | 100 (3) | 100 (3) | 100 (3) | 100 (46) | 100 (17) | 64.7 (17) |
| Gloucestershire Hospitals NHS Foundation Trust | 90.9 (11) | 100 (11) | 100 (10) | 80 (10) | 82.6 (46) | 100 (9) | 88.9 (9) |
| Great Western Hospitals NHS Foundation Trust | 77.8 (9) | 100 (9) | 100 (5) | 100 (5) | 93.3 (30) | 100 (5) | 60 (5) |
| Guy's and St Thomas' NHS Foundation Trust | 100 (11) | 100 (11) | 66.7 (9) | 55.6 (9) | 91.8 (49) | 61.1 (18) | 50 (18) |
| Heart of England NHS Foundation Trust | 91.7 (12) | 100 (12) | 100 (11) | 90.9 (11) | 72.9 (59) | 61.1 (18) | 33.3 (18) |
| James Paget University Hospitals NHS Foundation Trust | 33.3 (3) | 100 (3) | . | . | 100 (51) | 94.4 (18) | 66.7 (18) |
| Kettering General Hospital NHS Foundation Trust | 90.9 (11) | 100 (11) | 100 (9) | 77.8 (9) | 92 (25) | 83.3 (6) | 50 (6) |
| London North West Healthcare NHS Trust | 90 (10) | 100 (10) | 100 (8) | 50 (8) | 88.6 (44) | 90.9 (11) | 63.6 (11) |
| Medway NHS Foundation Trust | 100 (9) | 100 (9) | 100 (8) | 50 (8) | 92.6 (27) | 100 (7) | 85.7 (7) |
| Mid Essex Hospital Services NHS Trust | 85.7 (7) | 100 (7) | 60 (5) | 80 (5) | 66.7 (9) | 66.7 (3) | 33.3 (3) |
| NHS Lanarkshire | 85 (20) | 95 (20) | 87.5 (16) | 81.3 (16) | 84.6 (13) | 100 (7) | 85.7 (7) |
| NHS Tayside | 85.7 (7) | 100 (7) | 83.3 (6) | 83.3 (6) | 93.8 (16) | 81.8 (11) | 63.6 (11) |
| North Cumbria University Hospitals NHS Trust | 100 (5) | 100 (5) | 100 (4) | 100 (4) | 84.4 (64) | 38.5 (13) | 53.8 (13) |
| Portsmouth Hospitals NHS Trust | 88.9 (9) | 88.9 (9) | 100 (7) | 100 (7) | 66.7 (66) | 78.6 (14) | 64.3 (14) |
| Royal Brompton & Harefield NHS Foundation Trust | 85.7 (7) | 85.7 (7) | 80 (5) | 60 (5) | 100 (30) | 81.8 (11) | 90.9 (11) |
| Royal Cornwall Hospitals NHS Trust | 100 (4) | 100 (4) | 100 (4) | 50 (4) | 68 (25) | 88.9 (9) | 77.8 (9) |
| Royal Devon and Exeter NHS Foundation Trust | 80 (10) | 100 (10) | 100 (6) | 83.3 (6) | 90 (20) | 50 (8) | 62.5 (8) |
| Royal Free London NHS Foundation Trust | 72.2 (18) | 94.4 (18) | 88.9 (9) | 44.4 (9) | 88.5 (78) | 66.7 (6) | 50 (6) |
| Sandwell and West Birmingham Hospitals NHS Trust | 70 (20) | 90 (20) | 88.9 (9) | 44.4 (9) | 82.7 (75) | 83.3 (12) | 50 (12) |
| Shrewsbury and Telford Hospital NHS Trust | 88.9 (9) | 88.9 (9) | 100 (6) | 66.7 (6) | 86.1 (36) | 57.1 (7) | 85.7 (7) |
| Southern Health and Social Care Trust | 25 (4) | 100 (4) | . | . | 58.3 (48) | 77.8 (9) | 55.6 (9) |
| The Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust | 25 (4) | 75 (4) | . | . | 73.7 (19) | 66.7 (6) | 100 (6) |
| United Lincolnshire Hospitals NHS Trust | 60 (5) | 100 (5) | 100 (2) | 50 (2) | 94.4 (36) | 87.5 (8) | 50 (8) |
| University Hospital of South Manchester NHS Foundation Trust | 85.7 (7) | 100 (7) | 100 (5) | 80 (5) | 88.2 (51) | 93.3 (15) | 80 (15) |
| University Hospitals of Morecambe Bay NHS Foundation Trust | 100 (2) | 100 (2) | 0 (1) | 100 (1) | 87.5 (40) | 83.3 (12) | 50 (12) |
| West Hertfordshire Hospitals NHS Trust | 100 (6) | 100 (5) | 100 (5) | 80 (5) | 75 (32) | 100 (8) | 75 (8) |
| Western Health and Social Care Trust | 81.8 (11) | 100 (11) | 100 (8) | 62.5 (8) | 53.8 (26) | 75 (4) | 50 (4) |
| Western Sussex Hospitals NHS Foundation Trust | 90.9 (11) | 100 (11) | 100 (10) | 90 (10) | 88.9 (45) | 80 (15) | 60 (15) |
| Wirral University Teaching Hospital NHS Foundation Trust | 71.4 (7) | 100 (7) | 80 (5) | 40 (5) | 88.5 (26) | 85.7 (7) | 57.1 (7) |
| Worcestershire Acute Hospitals NHS Trust | 100 (8) | 100 (8) | 57.1 (7) | 42.9 (7) | 50 (22) | 37.5 (8) | 50 (8) |
| York Teaching Hospital NHS Foundation Trust | 85.7 (7) | 100 (7) | 100 (5) | 60 (5) | 62 (79) | 62.5 (16) | 68.8 (16) |

Applying PDSA methods to referral and SNOD involvement

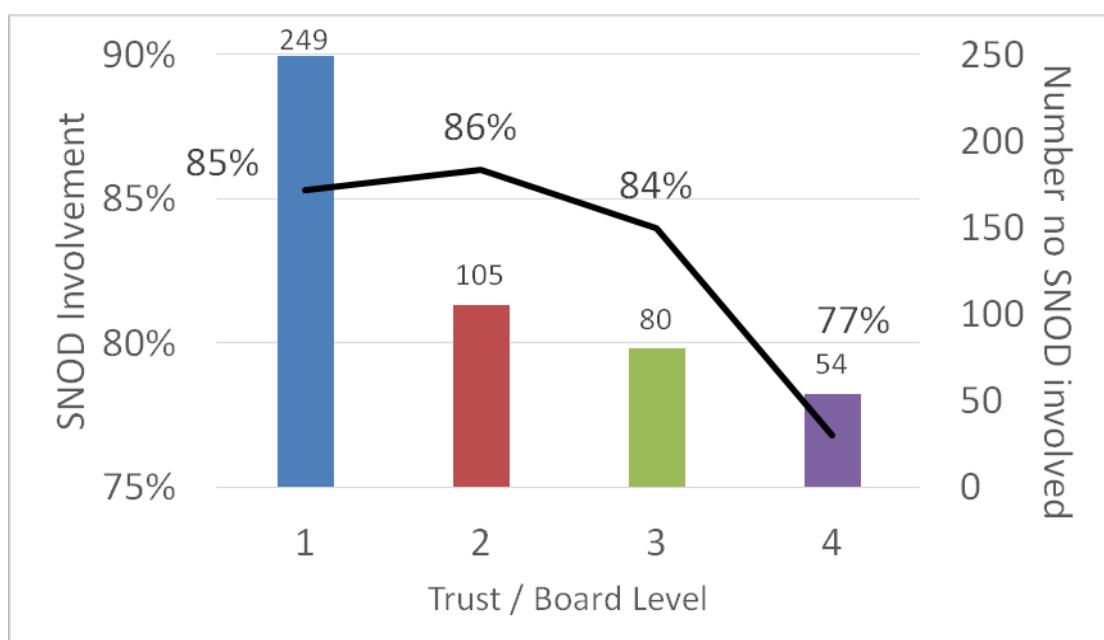
Comparison of combined DBD and DCD referral by level

1st October 2015 – 30th September 2016

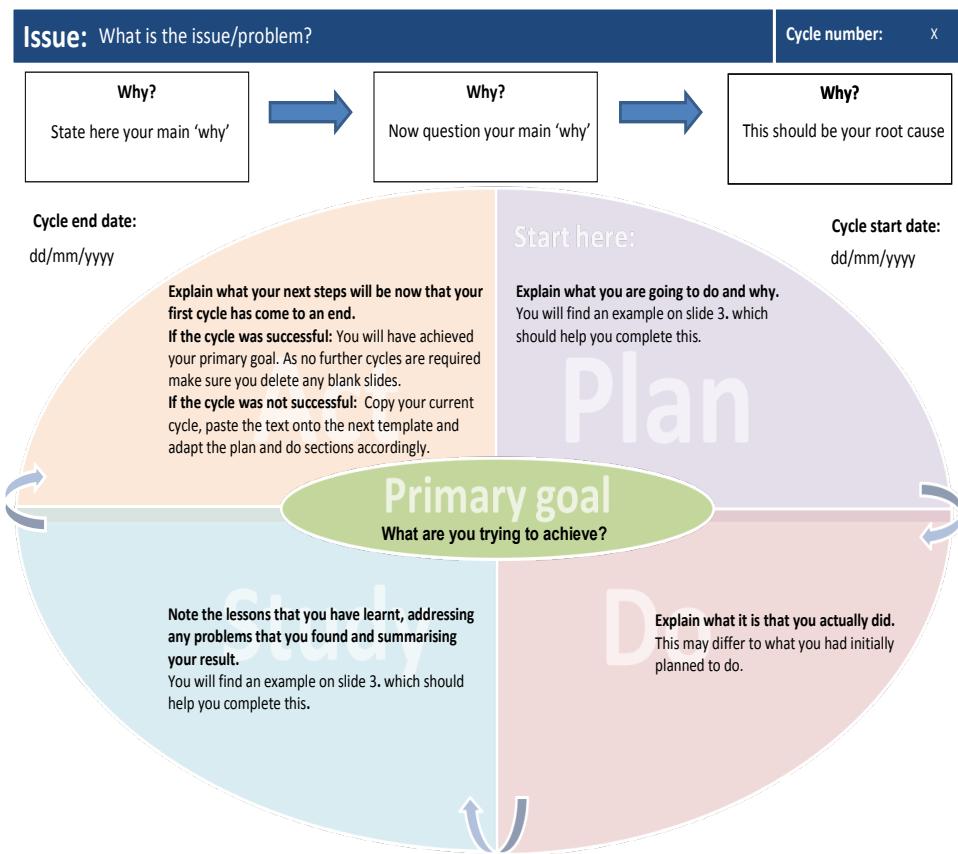


Comparison of combined DBD and DCD SNOD involvement by level

1st October 2015 – 30th September 2016



Guide to completing your PDSA cycle template



Hints & tips to help you complete your PDSA cycle

To Start: Identify issue to be addressed and drill down using 3 whys to create your primary goal.

Each primary goal should have at least 1 PDSA cycle. Each cycle has 4 sections which are listed below:

1. Plan: Be clear about the primary goal you aim to change, the questions that need to be answered and what is expected to happen. Plan how the PDSA cycle will be carried out, specifying who will be responsible for implementing the plan, where and when it will be tested, what will be done and what the expected outcomes might be.

2. Do: Carry out the plan and record the agreed measures and outcomes carefully. Ensure that any problems or other unexpected events are also documented.

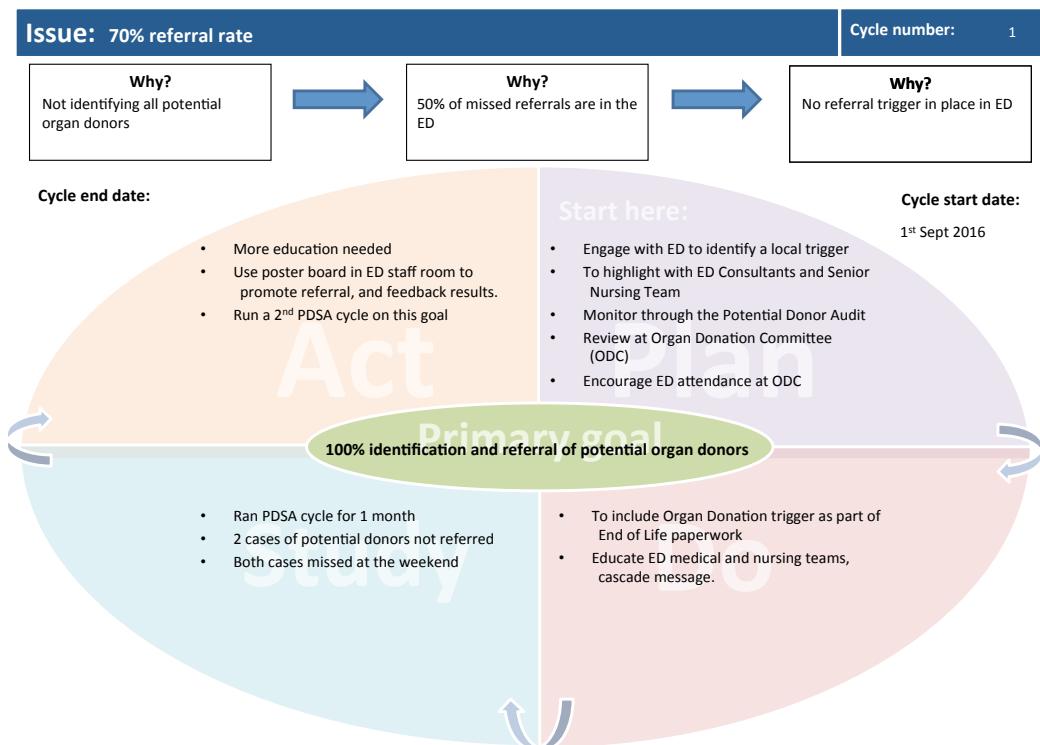
3. Study: Compare what the outcomes were to what you thought would happen. Ask those who were involved and study what actually happened, noting problems and other unexpected events. Summarise the outcome of the pilot.

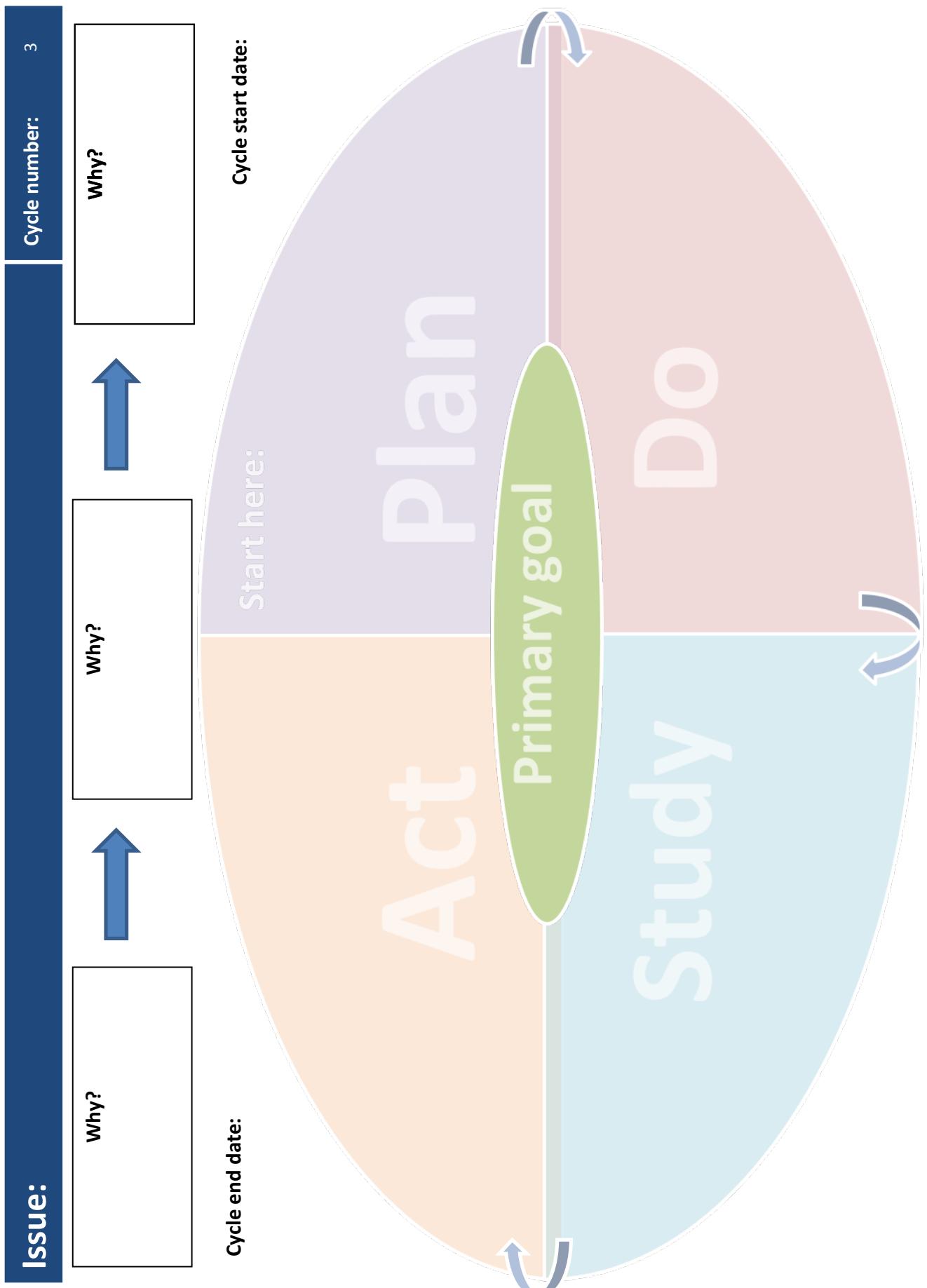
4. Act: As a team decide what should happen next? Should the same primary goal be kept but the cycle repeated, should the primary goal be adapted and the cycle run again or should the cycle be stopped. Make the decision based on what was learnt from the PDSA cycle. It is possible that a single PDSA cycle will show a primary goal that can be achieved and be applied more widely or even adopted into routine practice. However, remember that several cycles might have to be run before a primary goal of a PDSA cycle is successfully adopted into normal practice.

Notes: when running PDSA cycles

- Don't think too big. Implement a small simple change as this is more likely to be successful.
- Don't be too vague or too detailed - some detail is needed but to a practical, not obsessive, level.
- Make sure the results are **acted on**.
- In practice more than one PDSA cycle can be run at a time as long as they are small and simple.

Example of a PDSA cycle





Level Two Key (45)

| Key | Trust / Board | Key | Trust / Board |
|-----|--|-----|---|
| 1 | Abertawe Bro Morgannwg University Health Board | 24 | Mid Essex Hospital Services NHS Trust |
| 2 | Aneurin Bevan Health Board | 25 | NHS Lanarkshire |
| 3 | Barnsley Hospital NHS Foundation Trust | 26 | NHS Tayside (N) |
| 4 | Basildon and Thurrock University Hospitals NHS Foundation Trust | 27 | North Cumbria University Hospitals NHS Trust |
| 5 | Betsi Cadwaladr University Health Board | 28 | Portsmouth Hospitals NHS Trust |
| 6 | Calderdale and Huddersfield NHS Foundation Trust | 29 | Royal Brompton & Harefield NHS Foundation Trust (P) |
| 7 | Central Manchester University Hospitals NHS Foundation Trust (P) | 30 | Royal Cornwall Hospitals NHS Trust |
| 8 | County Durham and Darlington NHS Foundation Trust | 31 | Royal Devon and Exeter NHS Foundation Trust |
| 9 | Cwm Taf Health Board | 32 | Royal Free London NHS Foundation Trust (N) |
| 10 | Dartford and Gravesham NHS Trust | 33 | Sandwell and West Birmingham Hospitals NHS Trust |
| 11 | Derby Hospitals NHS Foundation Trust | 34 | Shrewsbury and Telford Hospital NHS Trust |
| 12 | East Kent Hospitals University NHS Foundation Trust | 35 | Southern Health and Social Care Trust |
| 13 | East Lancashire Hospitals NHS Trust | 36 | The Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust |
| 14 | East Sussex Healthcare NHS Trust | 37 | United Lincolnshire Hospitals NHS Trust |
| 15 | East and North Hertfordshire NHS Trust | 38 | University Hospital of South Manchester NHS Foundation Trust |
| 16 | Gloucestershire Hospitals NHS Foundation Trust | 39 | University Hospitals of Morecambe Bay NHS Foundation Trust |
| 17 | Great Western Hospitals NHS Foundation Trust | 40 | West Hertfordshire Hospitals NHS Trust |
| 18 | Guy's and St Thomas' NHS Foundation Trust (P) | 41 | Western Health and Social Care Trust |
| 19 | Heart of England NHS Foundation Trust | 42 | Western Sussex Hospitals NHS Foundation Trust |
| 20 | James Paget University Hospitals NHS Foundation Trust | 43 | Wirral University Teaching Hospital NHS Foundation Trust |
| 21 | Kettering General Hospital NHS Foundation Trust | 44 | Worcestershire Acute Hospitals NHS Trust |
| 22 | London North West Healthcare NHS Trust | 45 | York Teaching Hospital NHS Foundation Trust |
| 23 | Medway NHS Foundation Trust | | |

