

















Sharing surveillance data – UK

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MBRRACE-UK: Perinatal mortality surveillance

Combine mortality data from all hospitals in England, Scotland, Wales and Northern Ireland with birth and death registrations



Mortality rates

- Population-based care commissioning (by residence)
- Service delivery (by place of birth)
- Local government area (by residence)



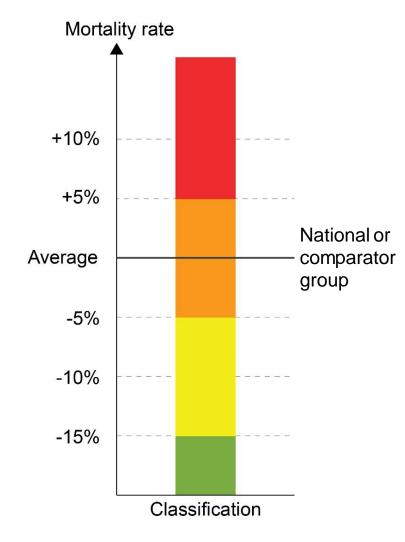
Mortality rates for organisations

- Crude mortality rate
 - Observed number of deaths per 1,000 births

- Stabilised (& adjusted) mortality rate
 - 'Stabilised' to allow for variation due to small numbers
 - Care provider rates are adjusted for differences in:
 - Socioeconomic status, ethnicity, mother's age, baby's sex, multiple birth, & gestational age at birth (for neonatal death)



Colour coding for maps and tables



What do they mean?

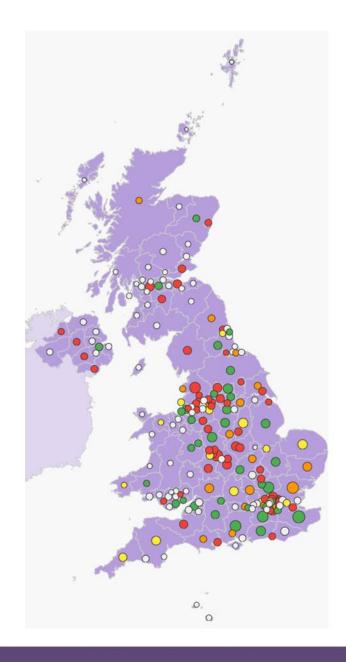
- They are not definitive measures of quality of care
- They are robust estimates of rates of mortality given available data
- Inform national and local decisions

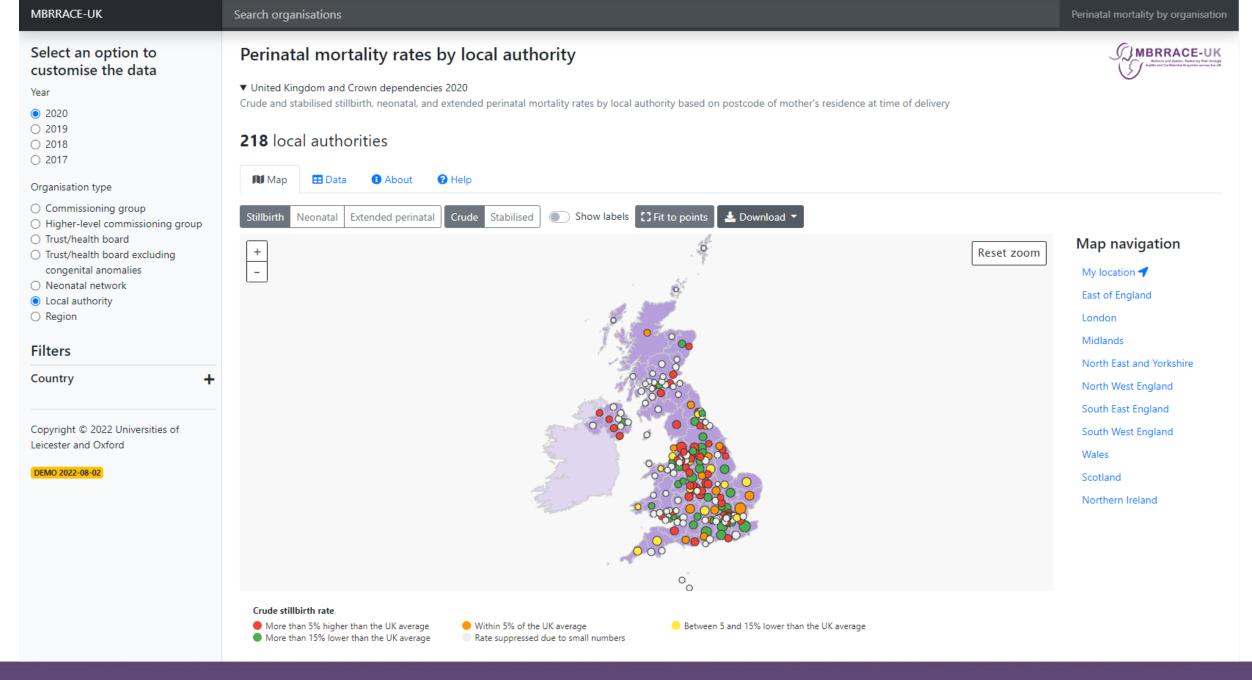
Rationale:

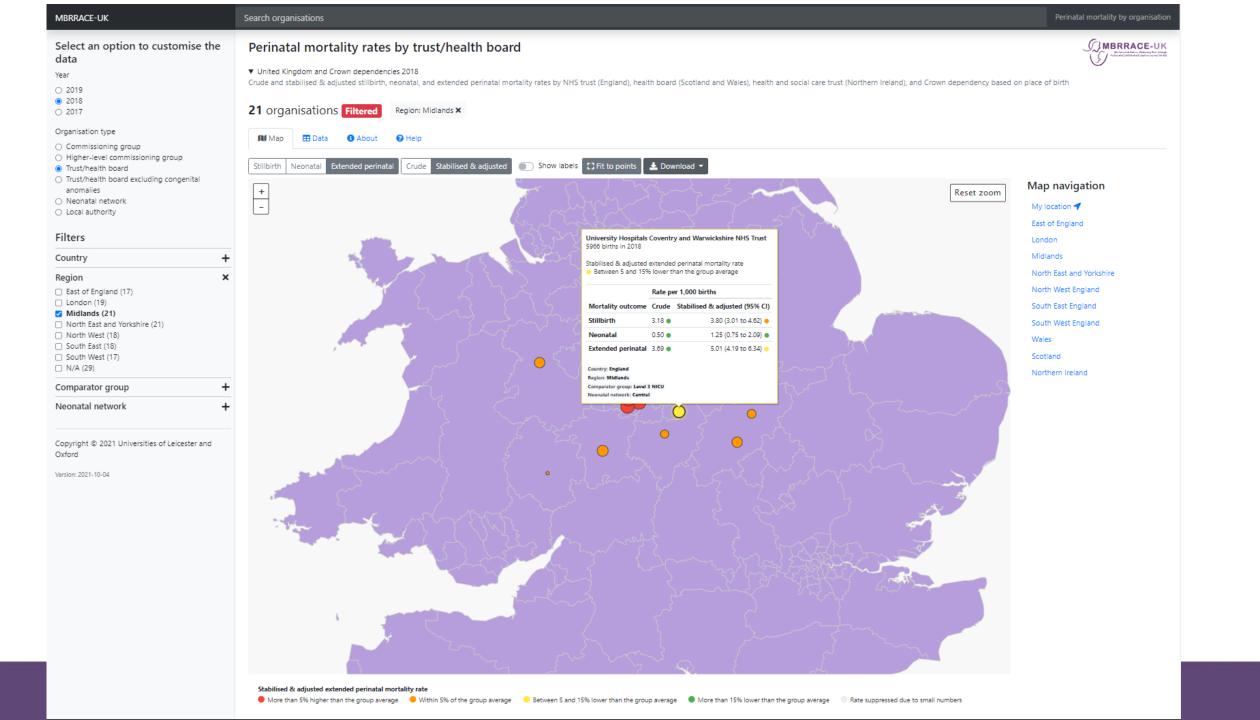
 Amber band from 5% lower than average rates is designed to stimulate the continuing need for further improvement in mortality rates by organisations to meet national stillbirth and neonatal death initiatives



- More than 5% higher than UK average
- Within 5% of UK average
- 5% to 15% lower than UK average
- More than 15% lower than UK average
- O Suppressed due to small numbers

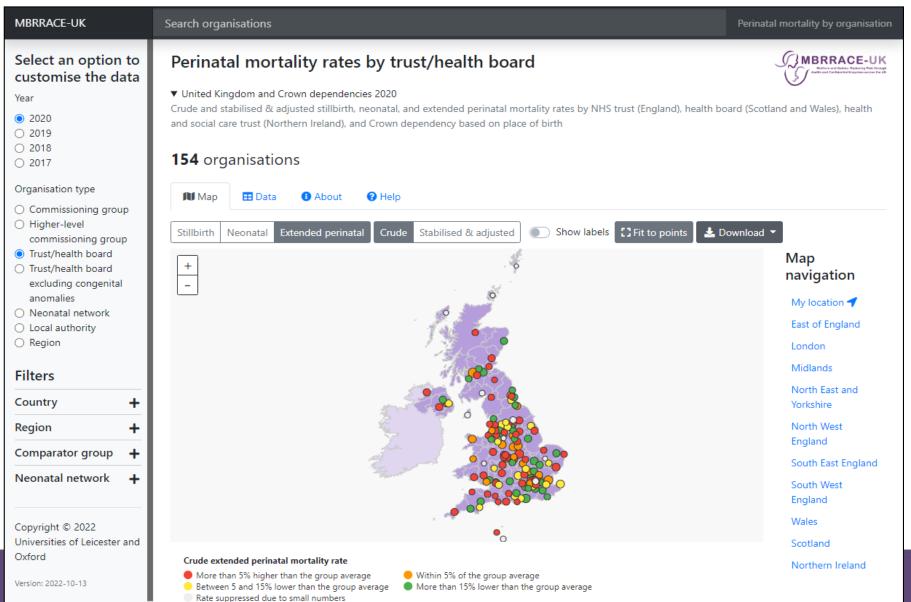


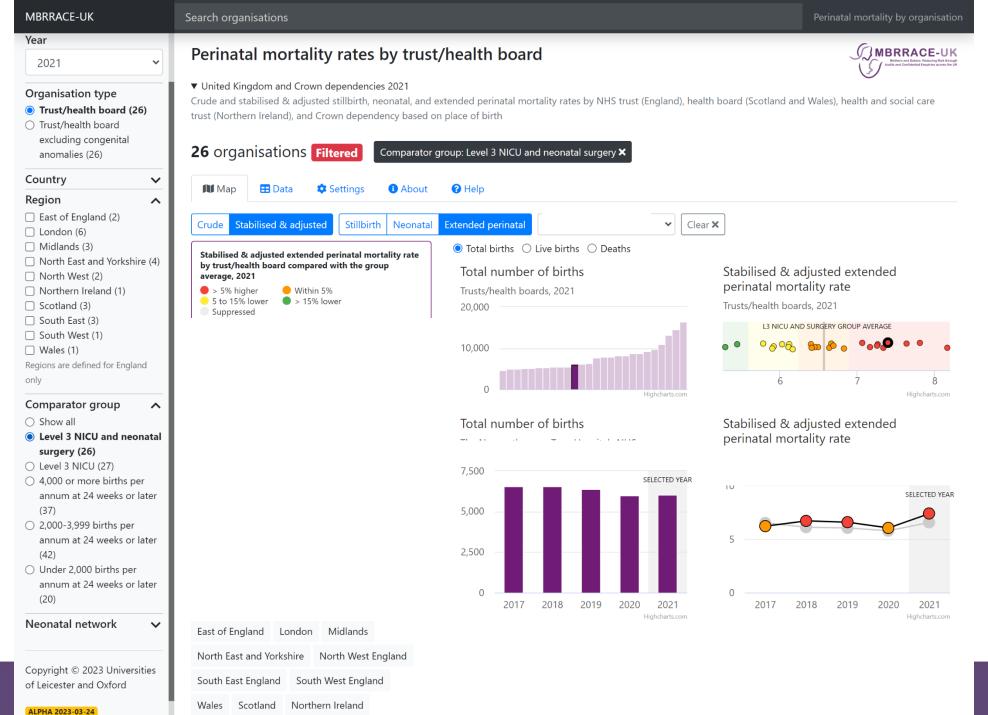






Comparison between providers with similar maternal and neonatal provision using annual data





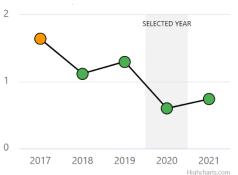


MBRRACE-UK Search organisations Perinatal mortality by organisation Select an option to **A** WORK IN PROGRESS! This resource is currently in development, and may contain errors or inaccuracies. The data must not be used to assess or customise the data Dismiss compare health care organisations. Year 2020 Perinatal mortality rates by commissioning organisation MBRRACE-UK Organisation type ▶ United Kingdom and Crown dependencies 2020 Commissioning organisation (135) O Higher-level commissioning **135** organisations organisation (45) Trust/health board (154) Help **M** Map Settings 3 About Trust/health board excluding congenital anomalies (154) O Neonatal network (21) Stillbirth Extended perinatal ✓ Clear X Stabilised Neonatal O Local authority (218) O Total births O Live births O Deaths Region (place of birth) (10) Crude neonatal mortality rate by commissioning organisation compared with the UK average, 2020 Number of neonatal deaths Crude neonatal mortality rate Country > 5% higher Within 5% 5 to 15% lower > 15% lower Commissioning organisations, 2020 Commissioning organisations, 2020 Crown Dependencies (3) England (106) ☐ Northern Ireland (5) Scotland (14) 25 ─ Wales (7) Sustainability and transformation partnership Highcharts.com Number of neonatal deaths Crude neonatal mortality rate Copyright © 2023 Universities of 15 Leicester and Oxford SELECTED YEAR SELECTED YEAR ALPHA 2023-03-24

2017

2018

2019



2021

Highcharts.com

2020

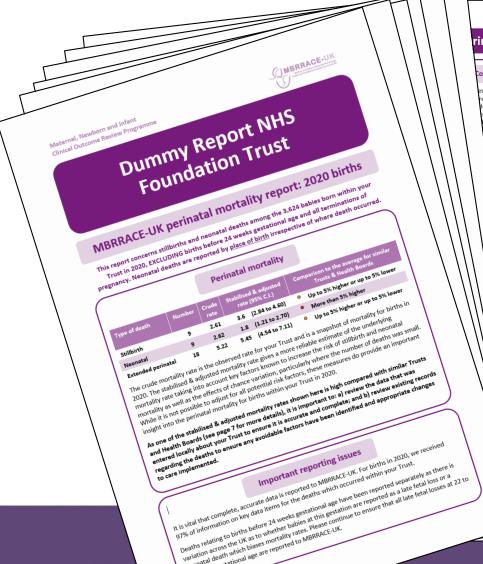
East of England London Midlands

North East and Yorkshire North West England



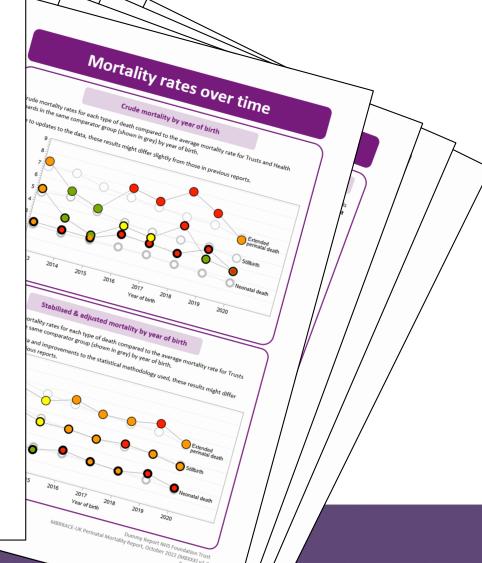


Reports to organisations delivering maternal or neonatal care

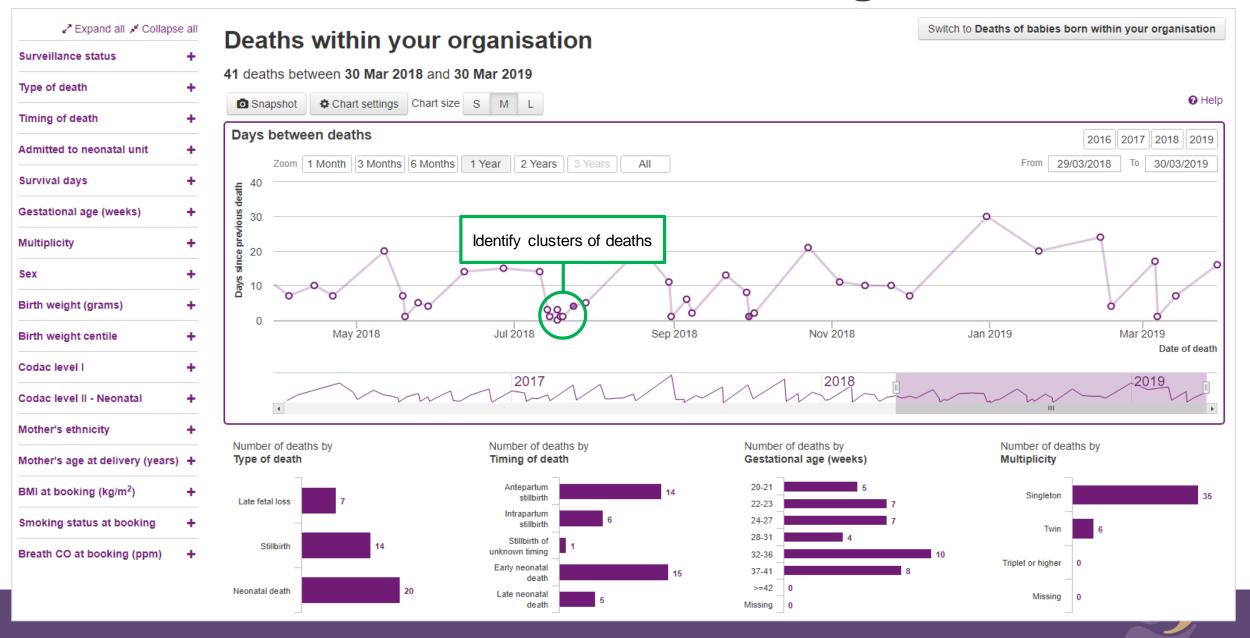


rinatal deaths continued mparisons with similar Trusts. Health Boards and the UK average s are reported for babies born within your Trust at 24 weeks gestational age or later, excluding regnancy. A 'crude' rate and a 'stabilised & adjusted' rate are presented for stillbirths, neonatal ed perinatal deaths. The **crude mortality rate** is the number of deaths for every 1,000 births for neonatal mortality) and is a snapshot of mortality for your organisation for births in 2020. misleading as a measure of the underlying (or long-term) mortality rate due to chance nces between Trusts and Health Boards in the proportion of high risk pregnancies. sted mortality rate is also reported which provides a more reliable estimate of the rate, accounting for mother's age, socio-economic deprivation, baby's sex and ethnicity, neonatal deaths only) gestational age at birth. In addition, to account for the wide variation and Health Boards have been classified hierarchically into five comparator groups: (i) Level Care Unit (NICU) and surgical provision (units routinely accepting for birth babies with a maly likely to require surgery in the neonatal period); (ii) Level 3 NICU; (iii) 4,000 or more weeks or later; (iv) 2,000-3,999 births per annum at 22 weeks or later; (v) under 2,000 weeks or later. Your Trust has been included in the comparator group with a Level 3 ancy and births <24'0; 1 per 1,000 total births; 1 per 1,000 live births & adjusted mortality rate for each type of death has been compared with the average nd Health Boards in the same comparator group and is shown below as a circle: more than 15% lower than the average for the group o more than 5% and up to 15% lower than the average for the group up to 5% higher or up to 5% lower than the average for the group more than 5% higher than the average for the group Dummy Report NHS Foundation Trust

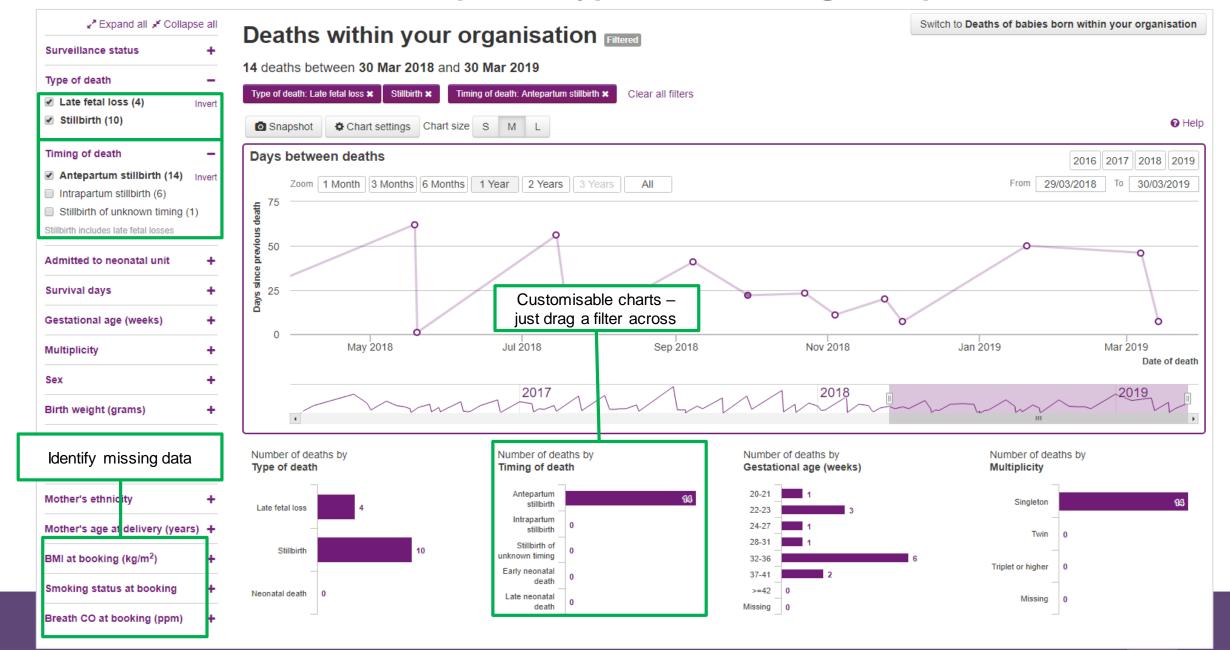
MBRRACE-UK Perinatal Mortality Report, October 2022 (MBXXX) v1.0



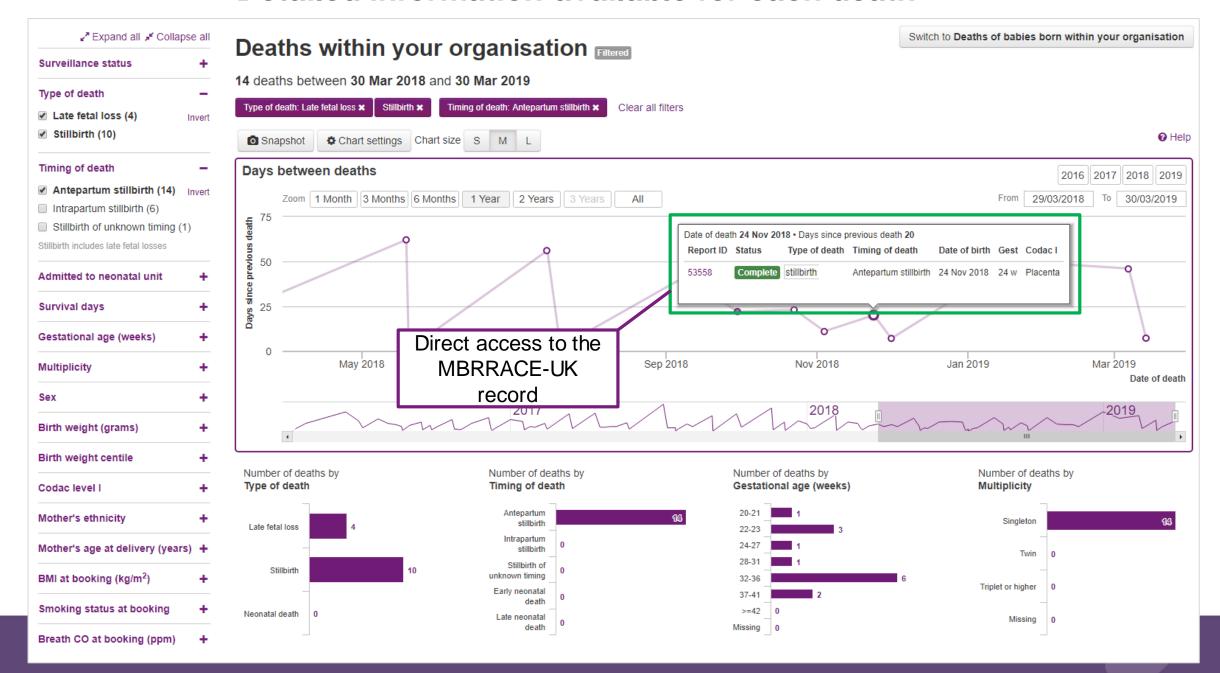
Real-time data monitoring tool



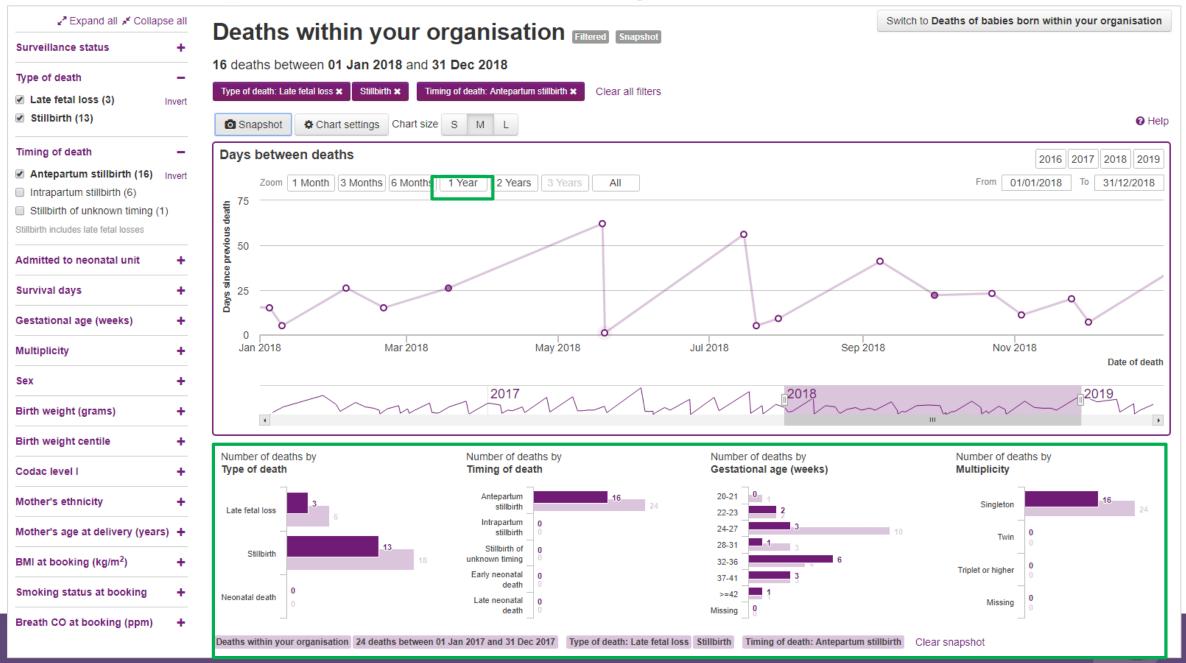
Filters allows focus on specific types of death e.g. antepartum stillbirth



Detailed information available for each death



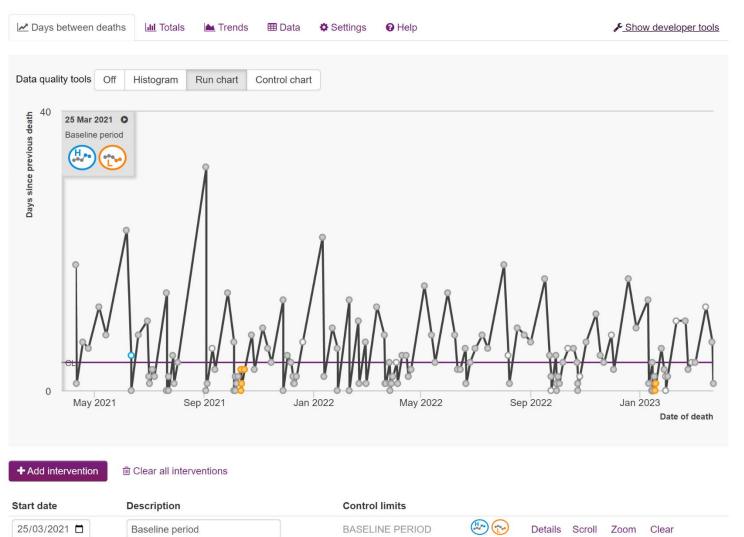
Ability to make comparisons, e.g. between time periods



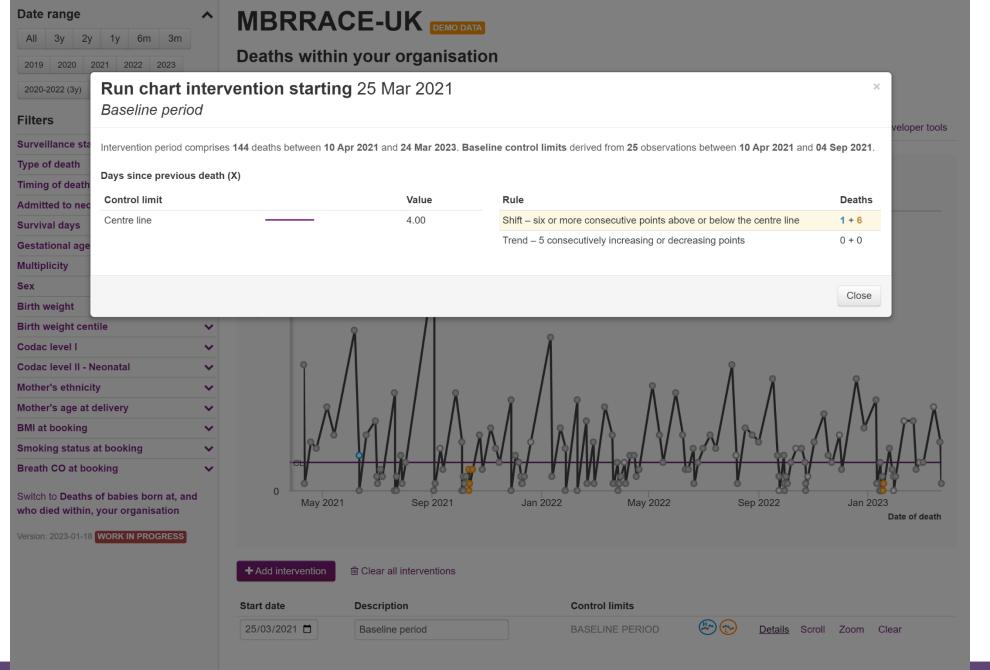


Deaths within your organisation

144 deaths between 25/03/2021 and 24/03/2023





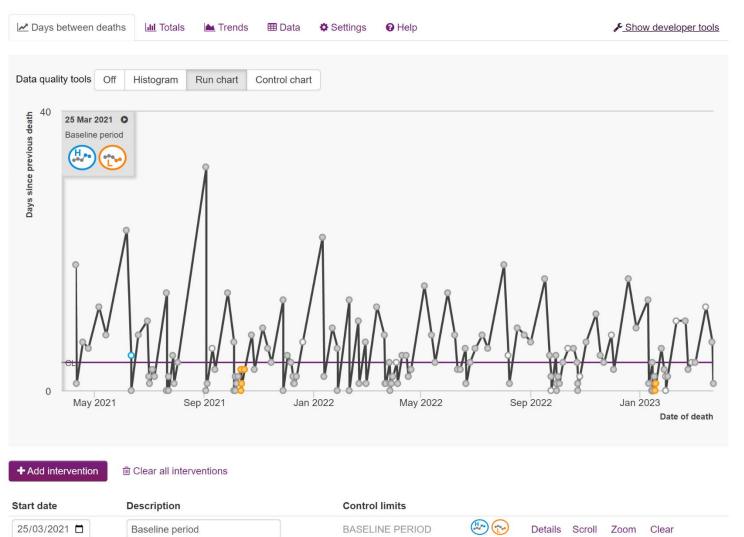




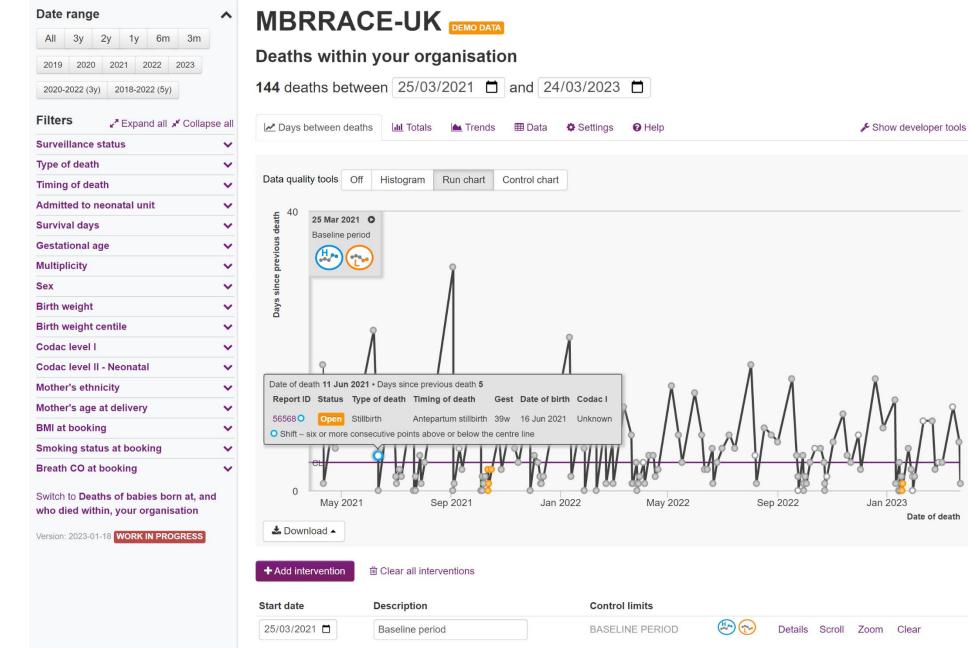


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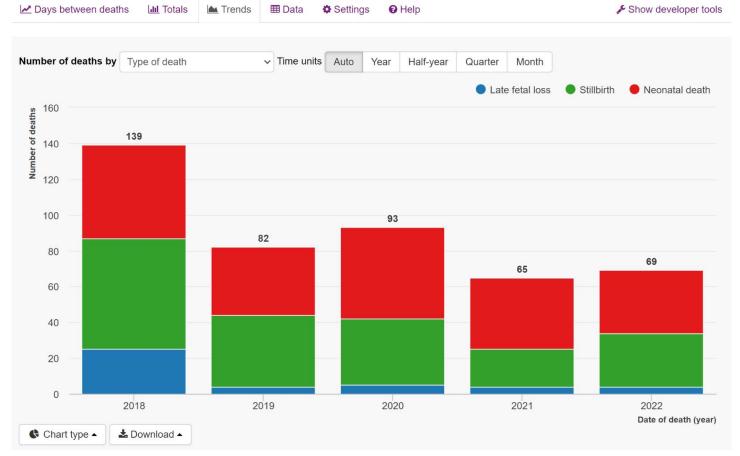
Jan 2023

Date of death



Deaths within your organisation

448 deaths between 01/01/2018 and 31/12/2022



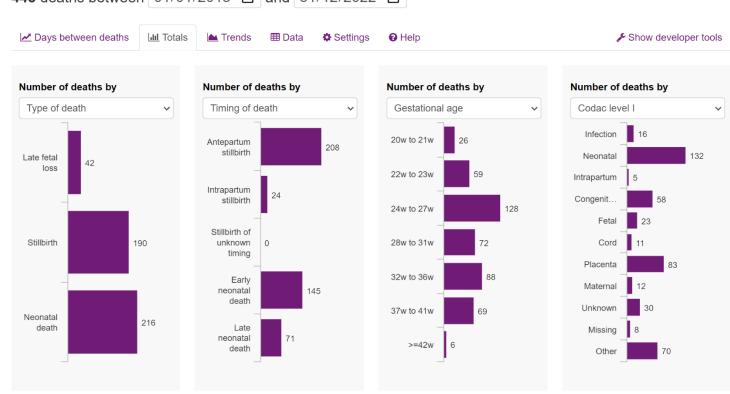






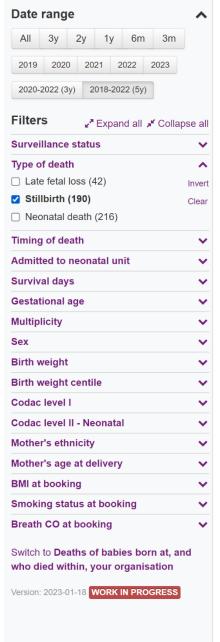
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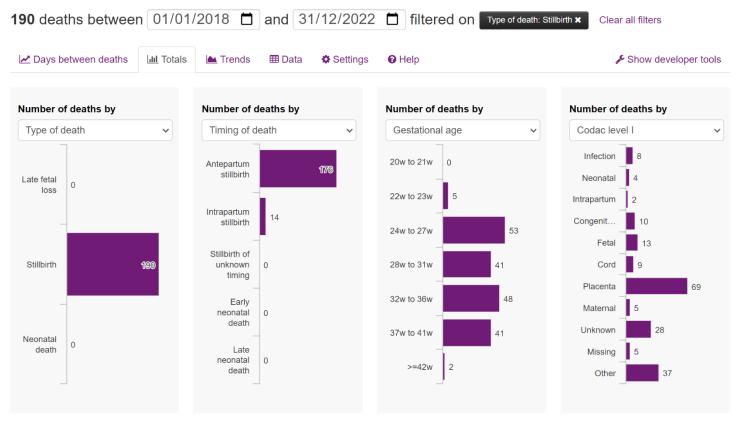


Add snapshot





Deaths within your organisation







Thank you

















