

### 3.15 Learnings From the First 18 months of a Novel Cross-Site Multi-Disciplinary Pulmonary Pregnancy Service

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**Introduction:** During pregnancy women are physiologically at increased risk for acquiring acute and/or exacerbating existing pulmonary conditions including pulmonary embolism (PE), asthma and interstitial lung disease (ILD). Maternal audits highlight PE as the leading cause of direct maternal mortality in the UK and Ireland. Prescribing and radiology hesitancy during pregnancy may contribute to suboptimal care (1).

**Aim:** To establish a cross-site pulmonary pregnancy service to improve care for pregnant women with acute and chronic pulmonary conditions.

**Methods:** In 2022 a cross-site pulmonary pregnancy service between Beaumont Hospital (BH) and the Rotunda Combined Obstetric Maternal Medicine Clinic (COMMC) was established. This incorporated:

- Consultant Respiratory Physician sessions within the COMMC monthly
- Pulmonary Pregnancy Clinic (PPC) BH monthly
- Multi-disciplinary working
- Quality improvement initiatives
  - Airway medications safety in pregnancy
  - Asthma patient leaflet
  - Audit - pregnant women admitted to BH with respiratory diagnosis
  - PE pathway for pregnant patients (BH)

**Results:** Beaumont PPC had 90 attendances, new : review 1:1.25, 14% did not attend, top conditions asthma, covid-related and post-PE, 45% post-hospitalisation referral. None (0%) required further pulmonary hospitalisation, all (100%) had successful delivery.

**Conclusion:** Novel cross-site pulmonary pregnancy service delivers excellent maternal and foetal outcomes.

#### References:

1. <https://www.npeu.ox.ac.uk/mbrace-uk/reports>