

Preliminary results in HMB characterisation show fluctuations in diagnosis and management across Europe and US

Characterisation of Heavy Menstrual Bleeding (HMB) in 11 data sources from 9 countries using OMOP-CDM: a European Health Data & Evidence Network study

Background

Heavy menstrual bleeding:

- Excessive menstrual blood loss that severely impacts your daily life
- Accompanied by severe pain

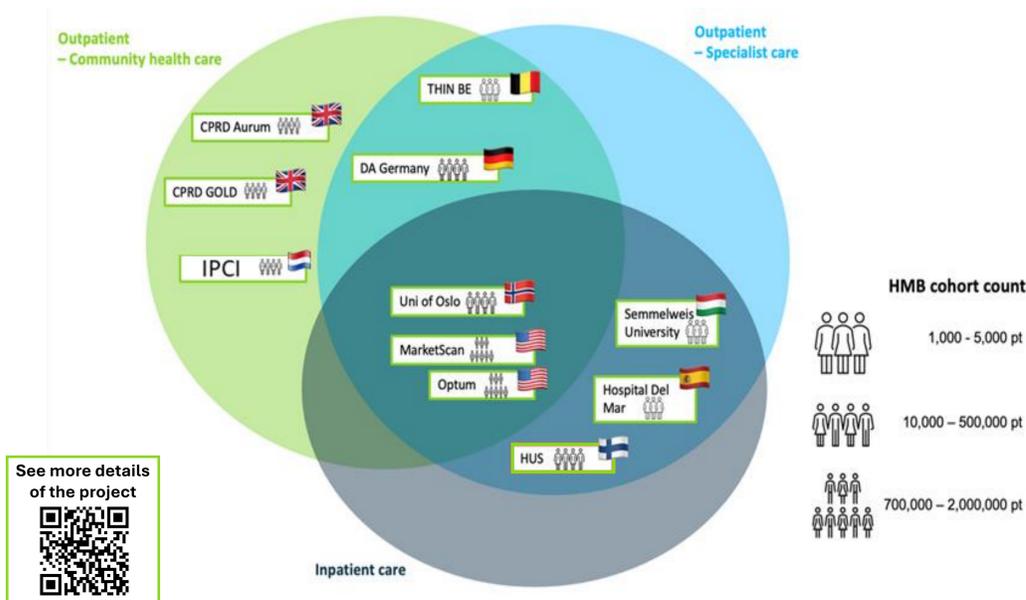


- 30% of women will seek for medical assistance due to HMB.
- delays or a lack of diagnosis/treatment, ≈54% not receiving the necessary care.

Methods

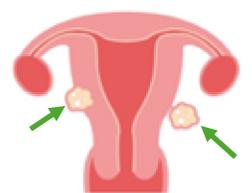
- Design: Retrospective cohort study
- Study period: 2000-2022
- Population: Women aged 11-55 with a first ever diagnosis of HMB
 - Exclusion criteria: hysterectomy, bilateral oophorectomy, menopause, uterine or ovarian cancer any time prior index date; postcoital bleeding record in the prior year, and/or pregnancy record 183 days prior.

We included 11 observational healthcare databases converted to the OMOP-CDM:



Results

- 3.5 million women were diagnosed with HMB.
- Incidence rate (1,000 person years) of HMB ranged from 1.51-25.6.
- HMB diagnosis peaks at age 35-49, followed by another peak between the ages 15 and 19.
- 62-98% of women with HMB did not have a record of documented underlying causes.
 - Leiomyoma (aka. fibroids) was the most prevalent underlying condition recorded (up to 9.08%)
- Hysterectomy was recorded more (22-26%) in US-based claims data compared to Europe (8-12%).



Use of OMOP CDM and engaging with EHDEN enabled the production of standardised evidence across diverse populations, healthcare settings, and data sources.

See the project on EHDEN



EHDEN
EUROPEAN HEALTH DATA & EVIDENCE NETWORK



innovative medicines initiative

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