Multiple health conditions in pregnant women with conditions that cause maternal death

MuM-PreDiCT

Background

Although maternal death is rare in the UK, 90% of these women had multiple health/social problems.[1] Leading indirect causes of maternal deaths included cardiac diseases, neurological conditions, psychiatric causes (drug/alcohol) and malignancies.[2]

Objectives

(1) Prevalence of health conditions that are leading indirect causes of maternal death in pregnant women.
(2) Amongst those with these conditions, prevalence of:

- ≥2 long-term conditions
- ≥4 long-term conditions
- mental health condition(s)

Methods

- Cross sectional
- Routine health records
- Pregnant in 2018
- Aged 15-49

Table: Prevalence of health conditions that are leading indirect causes of maternal death in the UK, in 37,641 women pregnant in 2018, and prevalence of multiple health conditions amongst those with the index condition.

Index condition	Prevalence of index condition, N (%)	Prevalence in pregnant women with index condition, %		
		≥2 long-term conditions	≥4 long-term conditions	Co-existing mental health condition(s)
Cardiovascular disease	435 (1.2%)	63.5%	23.0%	27.6%
Epilepsy	543 (1.4%)	61.3%	22.5%	35.7%
Substance misuse	745 (2.0%)	80.5%	37.6%	67.9%
Alcohol misuse	365 (1.0%)	80.3%	38.9%	65.2%
Cancer	192 (0.5%)	63.0%	15.6%	25.5%

Data source

CPRD GOLD Pregnancy Register
N=37,641 pregnant women

Conclusion

Multiple health conditions are highly prevalent in pregnant women with conditions known to be leading indirect causes of maternal death in the UK.

References

1. MBRRACE-UK, 2016-2018
2. MBRRACE-UK, 2017-2019

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