



A Maternal Mortality Message for Providers Hypertensive Disorders of Pregnancy

Michigan Data

- ✓ In 2017, there were 5,780 inpatient hospitalizations with a pre-eclampsia diagnosis code, giving a rate of 489.6 pre-eclampsia diagnoses per 10,000 inpatient hospitalizations with obstetric codes present.
 - ✓ Black women experience a 1.5 times higher rate of pre-eclampsia diagnoses than White women.
- ✓ In 2017, there were 148 inpatient hospitalizations with an eclampsia diagnosis code, giving a rate of 12.5 eclampsia diagnoses per 10,000 inpatient hospitalizations with obstetric codes present.
 - ✓ Black women experience a 2.5 times higher rate of eclampsia diagnoses than White women.

Recognition

- ✓ Standard protocol for measurement and assessment of BP and other systemic indicators for all pregnant and postpartum women
- ✓ Prompt and standardized response to maternal early warning signs
- ✓ Facility-wide standards for educating women on signs and symptoms of hypertension and pre-eclampsia

Data Sources:

Michigan Department of Health and Human Services, Michigan Resident Inpatient Files created by the Division for Vital Records and Health Statistics, using data from the Michigan Inpatient Database obtained with permission from the Michigan Health and Hospital Association Service Corporation (MHASC), 2017.

Michigan Department of Health and Human Services, Michigan. Maternal Mortality Surveillance Program, 2012-2016.

Reference:

Michigan Alliance for Innovation on Maternal Health, "Implementation Briefing Materials", Maternal Hypertension Bundle.

Response

- ✓ Facility-wide standard protocols for management and treatment of ante-, intra-, and post-partum presentation of severe hypertension and eclampsia
 - ✓ Notification of provider if SBP \geq 160 or DBP \geq 110 for two measurements within 15 minutes
 - ✓ Antihypertensive treatment with accepted antihypertensive agents initiated within 30-60 minutes
 - ✓ Onset and duration of magnesium sulfate therapy
 - ✓ Escalation measures
 - ✓ Manner and verification of follow-up within 7 to 14 days
 - ✓ Postpartum patient education for women with preeclampsia
 - ✓ Follow-up with primary care to watch for subsequent development of hypertension and coronary vascular disease

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