### Omega-3 fatty acids beneficial in pregnancy

#### Clinical Question
How effective are omega-3 long-chain polyunsaturated fatty acids (LCPUFA), as supplements or as dietary additions, during pregnancy on maternal, perinatal, and neonatal outcomes and longer-term outcomes for mother and child.

#### Bottom Line
Omega-3 LCPUFA, particularly docosahexaenoic acid, supplementation during pregnancy reduced preterm, early preterm birth and low birthweight (LBW), with low cost and little indication of harm. There was a possibly reduced risk of perinatal death and of neonatal care admission, a reduced risk of LBW babies; and possibly a small increased risk of large-for-gestational age babies with omega-3 LCPUFA. The effect on most child development and growth outcomes was minimal or uncertain.

#### Caveat
Most trials were conducted in upper-middle or high-income countries; and nearly half the trials included women at increased/high risk for factors which might increase the risk of adverse maternal and birth outcomes.

#### Context
Higher intakes of foods containing omega-3 LCPUFA, such as fish, during pregnancy have been associated with longer gestations and improved perinatal outcomes.

#### Cochrane Systematic Review

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**Pearls No. 631, October 2019, written by Brian R McAvoy. C45**