

# EMDEX RapidRx

*Providing access to best evidence for patient-centered care*

<b>Table 2: OTC Medication Use During Pregnancy &amp; Lactation</b>		
<b>Drug/Drug Class</b>	<b>Use in Pregnancy</b>	<b>Use in Lactation</b>
<b>Pain &amp; Fever</b>		
Paracetamol	Pain reliever of choice	Compatible with breastfeeding
Non-aspirin NSAIDs e.g., Ibuprofen, Naproxen.	Use with caution; avoid in 3 <sup>rd</sup> trimester. Associated with oligohydramnios, premature closure of the fetal ductus arteriosus, inhibition of labour, fetal renal toxicity, and periventricular hemorrhage.	Ibuprofen is the preferred NSAID
Aspirin	Not recommended except for specific indications. Associated with increased perinatal mortality, neonatal hemorrhage, decreased birth weight, prolonged gestation and labor, and possible teratogenicity	Compatible with breastfeeding in occasional doses. Avoid long-term therapy, if possible. Monitor infant for side-effects (haemolysis, prolonged bleeding time and metabolic acidosis)
Topical NSAIDs	Likely safe. Avoid occlusive dressings	
According to American Family Physician, the use of NSAIDs during pregnancy has potential risks and recommends careful risk-benefit assessment by the doctor.		
<b>Allergy, Cough &amp; Cold</b>		
Antihistamines (e.g., Chlorphenamine, Diphenhydramine)	Chlorphenamine is antihistamine of choice.	Avoid if possible. Monitor infant for side-effects (drowsiness, irritability). May inhibit lactation
American Family Physician recommends that first- and second-generation antihistamines do not appear to increase fetal risk in any trimester.		
Antitussives (e.g., Diphenhydramine)	Appears to be safe, crosses the placenta. Avoid products with alcohol	No data available. Caution advised
Expectorants (e.g., Guaifenesin)	May be unsafe in 1 <sup>st</sup> trimester. Possible increased risk of neural tube defects	
Decongestants (e.g., Pseudoephedrine, Saline Nasal Spray)	Saline nasal spray preferred. Oral decongestant of choice, possible association with gastroschisis	Saline nasal spray preferred. Topical Oxymetazoline may be safe.
<b>Constipation</b>		
Lifestyle modifications	Increase fluid and fiber intake (e.g., bran cereal). Exercise daily.	
Fibre (e.g., Psyllium)	Not absorbed. Considered first-line. Increase dose slowly to avoid gas and use with plenty of water.	No data available. Not absorbed; considered compatible with breastfeeding
Magnesium hydroxide (Milk of Magnesia)	No data available	Magnesium is poorly absorbed by infants. Compatible with breastfeeding.
Senna	No evidence of human teratogenicity or other fetal toxicity. Long-term use not recommended	Compatible with breastfeeding; use only if dietary measures for treating constipation fail

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Mineral oil	Avoid. Chronic use may lead to impaired maternal absorption of fat-soluble vitamins and fetal coagulopathy and hemorrhage	Chronic use could impair maternal absorption of fat-soluble vitamins
<b>Diarrhoea</b>		
Oral rehydration salts (glucose-electrolyte solution)	Drink small, frequent amounts. Pregnant women can become easily dehydrated. Consider early use of IV fluids.	Compatible with breastfeeding
Kaolin and pectin	Not absorbed; safe. Check the formulation	No data available. Not absorbed
Codeine	Caution advised. CNS depression and neonatal withdrawal possible.	Compatible with breastfeeding in occasional doses. Avoid repeated doses if possible. Monitor the infant for side-effects (apnoea, bradycardia and cyanosis)
Loperamide	Avoid, or use with discretion. Possible increase in fetal cardiac malformation with first-trimester use.	Excreted into breast milk in low concentrations unlikely to affect infant. Compatible with breastfeeding
<b>GERD/Heartburn</b>		
Lifestyle modifications	Elevate head of the bed. Eat small, frequent meals. Avoid eating near bedtime.	
Antiflatulent (e.g., Simethicone)	Nonabsorbable. No reports of malformations.	No data available. Not absorbed; therefore, no risk to infant
Alginic acid	No fetal safety information available.	No data available.
Aluminum hydroxide/Magnesium hydroxide	Not teratogenic in animal studies. Considered safe in normal doses.	No data available. Poorly absorbed; use acceptable
Calcium carbonate	Considered first-line antacid. Excessive intake can lead to maternal milk-alkali syndrome (hypercalcemia, renal impairment, metabolic alkalosis).	No data available. Use acceptable
Magnesium trisilicate	Avoid. Chronic, high-dose use associated with fetal renal stones, hypotonia, & respiratory distress	No data available.
Sodium bicarbonate	Avoid. Can cause maternal/fetal metabolic alkalosis and fluid overload.	No data available.
H <sub>2</sub> RAs (e.g., Ranitidine, Cimetidine)	Ranitidine is the preferred H <sub>2</sub> RA.	Excreted into the breast milk but not expected to cause adverse effects in nursing infant. As per WHO, avoid Cimetidine if possible due to insufficient data on long-term side-effects.

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PPIs (e.g., Omeprazole)	Omeprazole has most data and consistently safe. Considered PPI of choice	Low concentrations in breast milk. May be safe, but caution is advised due to acid suppression & association with gastric tumors (based on animal data).
American Family Physician recommends that H <sub>2</sub> RAs and PPIs can be used during any trimester of pregnancy without risk of anomalies.		
<b>Nausea &amp; Vomiting</b>		
Lifestyle modifications	Eat small, frequent meals. Maintain adequate hydration. Eat bland foods and avoid spicy, fatty, or foods with strong odors. Increase rest	
Doxylamine/pyridoxine combination (Murnisik®)	Considered first line for nausea & vomiting of pregnancy	Doxylamine is excreted into breast milk. Its sedative and other antihistamine effects in a nursing infant may be a concern.
Promethazine	Possible association with cardiovascular defects. Low risk; may use as add-on therapy. Avoid use near term.	Compatible with breastfeeding in single dose. Avoid repeated doses, if possible. Monitor the infant for drowsiness
Ginger supplements	Proven benefit in NVP. Concern about variation in product potency and purity. Recommended dose is Ginger tablet 250 mg q6h	Data not available
<b>Nutrition</b>		
Folic acid Risk factors for neural tube defect (NTD): diabetes, BMI >35 kg/m <sup>2</sup> , smoker, history of NTD, drugs (e.g., anticonvulsants, methotrexate, sulfonamide, trimethoprim), etc.	Dose based on risk of NTD: Low risk: 0.4-1 mg po daily throughout pregnancy High risk: 5 mg po daily 1 <sup>st</sup> trimester, then reduce to 0.4-1 mg po daily	0.4-1 mg po daily, continue 6 weeks postpartum or as long as breastfeeding continues.
Vitamins & minerals	Iron, calcium, & vitamin D supplements based on individual need. Vitamin A is teratogenic	Vitamin D supplement for term infants in 1 <sup>st</sup> year: 400-800 IU/day. Check Infant formulas for the vitamin D content.
<p><i>Sources:</i> 1) World Health Organization &amp; UNICEF. Breastfeeding and maternal medication: Recommendations for drugs in the eleventh WHO model list of essential drugs. WHO; 2003.</p> <p>2) Kosar L. Peri-pregnancy: drug treatment considerations. RxFiles; 2014 Oct. Available from: <a href="http://www.rxfiles.ca">www.rxfiles.ca</a> (login required).</p> <p>3) PL Detail-Document, GI Med Use in Pregnancy and Lactation. Pharmacist's Letter/Prescriber's Letter. June 2013.</p> <p>4) Servey J, Chang J. Over-the-counter medications in pregnancy. Am Fam Physician. 2014 Oct 15;90(8):548-555</p> <p>5) Kosar L. Peri-pregnancy: drug treatment considerations. RxFiles; 2014 Oct. Available from: <a href="http://www.rxfiles.ca">www.rxfiles.ca</a> (login required).</p>		