

# Salmonella

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## Selected References:

- American Veterinary Medical Association. 2020. Salmonella: Amphibians and Reptiles FAQ. Available at: <https://www.avma.org/salmonella-amphibians-and-reptiles-faq>. Accessed 10 Dec 2024.
- UCenter for Disease Control and Prevention. 2020. Salmonella. Available at: <https://www.cdc.gov/salmonella/index.html>. Accessed 10 Dec 2024.
- Chen TL, et al. 2005. First Report of Salmonella enterica Serotype Panama Meningitis Associated with Consumption of Contaminated Breast Milk by a Neonate. J. Clin. Microbiol. 43(10), 5400-5402.
- Delcourt C, et al 2019. **Salmonella enteritidis** during pregnancy, a rare cause of septic abortion: case report and review of the literature. J. Obstet. Gynec., 39(4), 554-555.
- EFSA BIOHAZ Panel, Koutsoumanis K, et al. 2019. Salmonella control in poultry flocks and its public health impact. EFSA J. 17(2): e05596.
- Ficara M, et al. 2019. Unusual meningitis caused by non-typhoid Salmonella in an Italian infant: a case report. Acta Biomed. 90(2):333-338.
- gov, 2019. Bacterias and Viruses. Available at: <https://www.foodsafety.gov/food-poisoning/bacteria-and-viruses#salmonella>. Accessed 10 Dec 2024.
- Harb A, et al. 2017. Prevalence, risk factors and antimicrobial resistance of Salmonella diarrhoeal infection among children in Thi-Qar Governorate, Iraq. Epidemiol Infect. 145(16): 3486-3496. Johnson LR, et al. 2011. Salmonella infections associated with international travel: a Foodborne Diseases Active Surveillance Network (FoodNet) study. Foodborne Path. Dis. 8(9), 1031-1037.
- Karabay, M., Sehmusoglu, Z., Terzi, H.A., et al. 2021. Neonatal Sepsis due to Salmonella enteritidis from Colonized Breast Milk; A Case Report and Literature Review of Breast Milk-induced Neonatal Sepsis. **Flora**, 26(2), 323-327.
- March of Dimes. 2016. Food Poisoning During Pregnancy <https://www.marchofdimes.org/complications/food-poisoning-during-pregnancy.aspx>
- Mollo, B., et al. 2019. Intrauterine infection caused by nontyphoidal **Salmonella**: a literature review. L-Fetal Neonatal Med 1-5.
- Perry ID, et. al. 2019. Analysis of the capacity of Salmonella enterica Typhimurium to infect the human Placenta. Placenta, 83, 43-52.
- S. Centers for Disease Control and Prevention. 2019. Bacterial Meningitis. Available at: <https://www.cdc.gov/meningitis/about/bacterial-meningitis.html>. Accessed 10 Dec 2024.
- S. Centers for Disease Control and Prevention. 2020. Salmonella. Available at: <https://www.cdc.gov/salmonella/index.html>. Accessed 10 Dec 2024
- Singhal V, et al. 2012. Neonatal Salmonella typhi meningitis: a rare entity. JCDR, 6(8), 1433-1434.
- Smith J. 1999. Foodborne Infection during Pregnancy. J Food Prot. 62(7): 818-829
- Tam C, et al. 2010. Food-borne illnesses during pregnancy: Prevention and treatment. Can Fam Physician. 56(4): 341-343.
- Williamson CS. 2006. Nutrition in Pregnancy. Nutrition Bulletin.31(1):28-59

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### Selected References:

- DeSisto CL, et al. 2021. Risk of stillbirth among women with and without COVID-19 at delivery hospitalization – United States, March 2020 – September 2021. MMWR Morb Mortal Wkly Rep 70:1640–1645.
- Kasehagen L, et al. 2021. COVID-19 – associated deaths after SARS-CoV-2 infection during pregnancy – Mississippi, March 1, 2020 – October 6, 2021. MMWR Morb Mortal Wkly Rep 70:1646–1648.
- Merck & Co., Inc. 2021. Center for Drug Evaluation and Research Antimicrobial Drugs Advisory Committee Meeting Briefing Document. Molnupiravir. Available at <https://www.fda.gov/media/154421/download>
- Regan AK, et al. 2022. SARS-CoV-2 infection during pregnancy and associated perinatal health outcomes: a national US cohort study. J Infect Dis 225(5):759-767.
- S. Food & Drug Administration, Antimicrobial Drugs Advisory Committee. November 30, 2021. Molnupiravir. Available at <https://www.fda.gov/media/154472/download>
- U.S. Food & Drug Administration. 2021 (Revised October 2023). Fact Sheet for Healthcare Providers: Emergency Use Authorization for Molnupiravir. Available at <https://www.fda.gov/media/155054/download>

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## Selected References:

- Aleem M, et al. 2005. Hyperprolactinemia affects spermiogenesis in adult male rats. *Journal of Endocrinological Investigation* 28(1):39-48.
- Auerbach JG, et al. 1992. Maternal psychotropic medication and neonatal behavior. *Neurotoxicol Teratol* 14(6):399-406.
- Cleary MF. 1977. Fluphenazine decanoate during pregnancy. *Am J Psychiat* 134:815-816.
- Donaldson GL, Bury RG. 1982. Multiple congenital abnormalities in a newborn boy associated with maternal use of fluphenazine enanthate and other drugs during pregnancy. *Acta Paediatr Scand* 71:335-338.
- Einarson A, Boskovic R. 2009. Use and safety of antipsychotic drugs during pregnancy. *J Psychiatr Pract* 15(3):183-192.
- 2011. Drug Safety Communication: Antipsychotic drug labels updated on use during pregnancy and risk of abnormal muscle movements and withdrawal symptoms in newborns (issued 2/2011). <https://www.fda.gov/Drugs/DrugSafety/ucm243903.htm>
- 2018. Retrieved from <https://toxnet.nlm.nih.gov/cgi-bin/sis/search2>
- Gill-Sharma MK, et al. 2003. Antifertility effects of fluphenazine in adult male rats. *Journal of Endocrinological Investigation* 26(4):316-326.
- Gomez EA. 1981. Hypersexuality in men receiving fluphenazine decanoate (letter). *Am J Psychiatry* 138:1263.
- Holt RI, Peveler RC. 2011. Antipsychotics and hyperprolactinaemia: mechanisms, consequences and management. *Clin Endocrinol (Oxf)* 74(2):141-147.
- King JT, et al. 1963. Perinatal findings in women treated during pregnancy with oral fluphenazine. *J New Drugs* ;3:21-5
- Kopf GS, Vacquier VD. 2011. Characterization of a calmodulin-stimulated adenylate cyclase from abalone spermatozoa. *J Biol Chem* 259:7590-7596.
- Maguire GA. 2002. Prolactin elevation with antipsychotic medications: mechanisms of action and clinical consequences. *J Clin Psychiatry* 63(suppl 4):56-62.
- Martinez JE, Wiertelicki W. 1999. Schizophrenia and fluphenazine teratogenicity. *Teratology* 59:398.
- Merlob P, et al. 1994. Is fluphenazine a teratogen? *Am J Med Genet* 52:231-232.
- Mogwitz S, et al. 2018. Update on the Pharmacological Treatment of Tics with Dopamine-Modulating Agents. *ACS Chem Neurosci* 9(4):651-672.
- Nath SP, et al. 1996. Severe rhinorrhea and respiratory distress in a neonate exposed to fluphenazine hydrochloride prenatally. *Ann Pharmacotherapy* 30:35-37.
- Rumeau-Rouquette C, et al. 1977. Possible teratogenic effect of phenothiazines in human beings. *Teratology* 15:57-64.
- Serres C, Kahn ML. 1984. Motility induction in hamster spermatozoa from caput epididymis: effect of forward

motility protein (FMP) and calmodulin inhibitor. Reprod Nutr Dev 24:81-94.

- Siragusa S, et al. 2022. Fluphenazine. StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing;. <https://www.ncbi.nlm.nih.gov/books/NBK459194/>.

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### Selected References

- Blandthorn J, et al. 2018. Managing opioid overdose in pregnancy with take-home naloxone. Aust N Z J Obstet Gynaecol 58(4):460-62.
- Debelak K, et al. 2013. Buprenorphine + Naloxone in the treatment of opioid dependence during pregnancy-initial patient care and outcome data. Am J Addict; 22(3):252-54.
- Flannagan KS, et al. 2020. Prescription opioid use among populations of reproductive age: effects on fertility, pregnancy loss, and pregnancy complications. Epidemiologic reviews. **42**(1): 117-33.
- Gawronski KM, et al. 2014. Neonatal outcomes following in utero exposure to buprenorphine/naloxone or methadone. 2:2050312114530282.
- Goshgarian G, et al. Prenatal Buprenorphine/Naloxone or Methadone Use on Neonatal Outcomes in Michigan. Cureus.**14**(8).
- Griffiths S, et al. 2021. Use of injectable opioid agonist therapy in a in-patient setting for a pregnant patient with opioid use disorder: A case report. Journal of Addiction Medicine. **15**(5): 435-38.
- Jones HE & Kraft WK. 2019. Analgesia, Opioids, and Other Drug Use During Pregnancy and Neonatal Abstinence Syndrome. Clin Perinatol; 46(2):349-366.
- Jansson LM, et al. 2024. Buprenorphine-Naloxone Maintenance and Lactation. Journal of Human Lactation **40**(1): 113-19.
- Jumah NA, et al. 2016. Observational study of the safety of buprenorphine+naloxone in pregnancy in a rural and remote population. BMJ Open; 6(10):e011774.

- Kanervo M, et al. 2023. Buprenorphine-naloxone, buprenorphine, and methadone throughout pregnancy in maternal opioid use disorder. *Acta Obstetrica et Gynecologica Scandinavica*. 102(3): 313-22.
- Kanervo M, et al. 2024. Intrauterine exposure to maternal opioid maintenance treatment and associated risk factors may impair child growth. *Acta Paediatrica*.

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## Salmonella

---

### Selected References:

- Berle JO, et al. 2004. Breastfeeding during maternal antidepressant treatment with serotonin reuptake inhibitors: infant exposure, clinical symptoms, and cytochrome P450 genotypes. *J Clin Psychiatry* 65:1228-34. PMID: 15367050
- Briggs G, et al. 2022. *Drugs in Pregnancy and Lactation*: Wolters Kluwer; 12th edition: 950-951
- Brunel P, et al. 1994. [Follow-up of 151 pregnant women exposed to antidepressant treatment (MAOI excluded) during organogenesis.] *Therapie* 49:117-122.
- Eggermont E. 1973. Withdrawal symptoms in neonate associated with maternal imipramine therapy. *Lancet* 2:680.
- Misri S & Sivertz K. 1991. Tricyclic drugs in pregnancy and lactation: a preliminary report. *Int J Psychiatry Med* 21(2):157-71.
- Grzeskowiak, LE, et al. 2022. Perinatal antidepressant use and breastfeeding outcomes: Findings from the Norwegian Mother, Father and Child Cohort Study. *Acta Obstetrica et Gynecologica Scandinavica*. 101(30): 344-54.
- Mitchell JE and Popkin MK: Antidepressant drug therapy and sexual dysfunction in men: a review. *J Clin Psychopharm* 3:76-79, 1983.
- Nulman I, et al. 1997. Neurodevelopment of children exposed in utero to antidepressant drugs. *N Engl J Med* 336:258-62.

- Overo KF, et al. 1997. Interaction of perphenazine with the kinetics of nortriptyline. *Acta Pharmacol Toxicol*; 40:97-105.
- Schoretsanitis S, et al. 2020. The impact of pregnancy on the pharmacokinetics of antidepressants: a systematic critical review and meta-analysis. *Expert Opin Drug Metab Toxicol*; 16(5):431-440.
- Semet, M., et al. 2017. The impact of drugs on male fertility: a review. *Andrology* 5(4): 640-663.
- Shearer WT, et al. 1972. Urinary retention in a neonate secondary to maternal ingestion of nortriptyline. *J Pediatr* 81:570-2.
- US Preventive Services Task Force, Curry SJ, et al. 2019. Interventions to Prevent Perinatal Depression: US Preventive Services Task Force Recommendation Statement. *JAMA* 321(6):580-587.
- Wall-Wieler, E, et al. 2020. Antidepressant use around conception, prepregnancy depression, and risk of ectopic pregnancy. *The Canadian Journal of Psychiatry*, **65**(12):845-53.
- Webster PA. 1973. Withdrawal symptoms in neonates associated with maternal antidepressant therapy. *Lancet* 2(7824):318-9.
- Weissman AM, et al. 2004. Pooled analysis of antidepressant levels in lactating mothers, breast milk, and nursing infants. *Am J Psychiatry* 161:1066-78.
- Wisner KL, et al. 2002. Postpartum depression. *N Engl J Med*. 347:194-9.
- Xing, D, et al. 2020. Maternal use of antidepressants during pregnancy and risks for adverse perinatal outcomes: a meta-analysis. *Journal of Psychosomatic Research*, 137:110231.

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