YOUR PREGNANCY FRIENDLY MICRONUTRIENTS

 Eating well is one of the best things you can do during pregnancy, it will help in getting enough nutrients to support your health and your fetus's health.1 Micronutrients which refer to vitamins and minerals, are key to important bodily functions and key to help infants and children grow, learn, and thrive. ² Pregnant woman need more of folic acid, iron, zinc, calcium, vitamin D, vitamin A, choline, B vitamins, and vitamin C.²⁻³

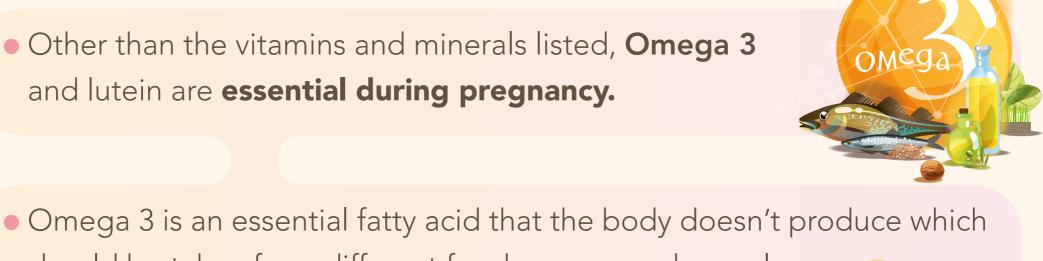
Vitamin /Mineral	Recommended daily amount	Role in your body and your fetus's body	Food and other sources
Iron	27mg	 Make extra blood needed by you and fetus Growth and development of fetus's brain Prevention of low birth weight, anemia, and premature delivery 	 Beef, Beans, Spinach, Dried fruits Oatmeal or grains fortified with iron.
Zinc	11mg	 Immunity Resistance to infection Proper growth and development of fetus nervous system 	 Red meats Poultry Beans Nuts Whole grains Fortified cereals Dairy products
Calcium	1000mg	 Reduce risk of Pre-eclampsia (medical condition where pregnant woman experiences a sudden increase in their blood pressure) Build fetus strong bones and teeth 	 Dairy products such as milk, cheese, yogurt Broccoli, Fortified foods (cereals, breads, and juices) Almonds and sesame seeds, Sardines Dark green leafy vegetables
Vitamin D	15mcg	 Helps calcium in building fetus's strong and healthy bones and teeth Essential for muscle and nerve functions, Helps the immune system fight off bacteria and viruses, Healthy eyesight and skin 	 Sun exposure Fortified milk and breakfast cereals Egg yolks Fatty fish such as salmon and sardines
Vitamin A	770mcg	 fetus's growth of bones and teeth Formation of healthy eyesight, skin, Immune function 	 Milk Eggs Carrots Spinach Green and yellow vegetables Broccoli Potatoes Pumpkins Yellow fruits Cantaloupe
Choline	450mg	Development of fetus's brain and spinal cord	 Chicken Beef Eggs Milk Soy products Peanuts
Vitamin C	85mg	 Protects tissues from damage Helps body absorb iron Building a healthy immune system Healthy gums, teeth, and bones. 	 Citrus fruits and juices, Strawberries, Papaya, Broccoli Bell pepper Potatoes Tomatoes
Thiamin(B1)	1.4mg	 Raises levels of energy Regulates the nervous system 	 Whole grains, Fortified cereals Eggs Rice Pasta Berries Nuts Legumes
Riboflavin(B2)	1.4mg	Maintains energy, good eyesight, healthy skin	 Meats Poultry Fish Dairy products Fortified cereals Eggs
Niacin(B3)	18mg	Healthy skin, nerves, and digestion	 High-protein foods Fortified cereals and bread Meats Fish Milk Eggs Peanuts
Vitamin B6	1.9mg	 Formation of red blood cells Reducing morning sickness 	 Chicken Fish Eggs Soybeans Carrots Cabbage Cantaloupe Peas Spinach Sunflower seeds Bananas Beans Broccoli Brown rice Oats Bran Peanuts and walnuts

and lutein are essential during pregnancy.

2.6mcg

Vitamin B12

12



Fish

Beef

Eggs

Dairy

Poultry

Important factor in DNA

defects (NTDs)

Prevent fetus from neural tube

should be taken from different food sources such as salmon and sardines or even as a food supplement. 300 mg of DHA is needed daily for pregnant woman as it is the building block of the fetal brain, eyes, and nervous system.4 It also helps in preventing perinatal depression and supporting healthy postpartum mood and well-being for moms.4-5 healthy postpartum mood and well-being for moms.4-5 • Lutein is a carotenoid that acts as an antioxidant. It is present in leafy

greens like kale and romaine lettuce, broccoli, zucchini, corn, carrots, okra, celery, oranges, tomatoes, melons, grapefruit, beet, and asparagus. No daily recommendation has been set yet by global organization, however it was found to be beneficial in pregnancy by supporting healthy development of the retina and brain of the baby 6 and having an association with better offspring verbal intelligence and behavior regulation ability in mid-childhood.⁷

and best mate during your pregnancy as it will help you in getting all the necessary nutrients. Consult with your doctor if you need to take any vitamin supplement if you feel you are missing on any essential vitamin from any food source.

Make healthy balanced eating from all the food groups as your goal

- **REFERENCES**
- 1- Nutrition During Pregnancy | ACOG 2- MicronutrientFactsheet_v10_April2020.pdf (cdc.gov)
- 3- Nutrition Recommendations in Pregnancy and Lactation (nih.gov)
- 4- https://americanpregnancy.org/healthy-pregnancy/pregnancy-health-wellness/omega-3-fatty-acids-faqs/
- 5- https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3046737/ 6- Maternal Lutein and Zeaxanthin Concentrations in Relation to Offspring Visual Acuity at 3 Years of Age: The GUSTO Study -

Behavior Regulation in Mid-Childhood in the Project Viva Cohort - PubMed (nih.gov)

PubMed (nih.gov) 7- Maternal Intake of Lutein and Zeaxanthin during Pregnancy Is Positively Associated with Offspring Verbal Intelligence and