Eating for Two – A Healthy Pregnancy
Starts with a Healthy Diet

Melissa Wyatt and Vanessa da Silva

The saying “you are what you eat” takes on a new meaning when a woman learns she is expecting a baby. For the next several months, her growing baby’s health is directly dependent upon what she eats, and what she chooses to avoid. What is more, a woman’s diet during pregnancy has been shown to affect her child’s health long after she is no longer eating for two.

Eating a healthy, nutritionally balanced diet with plenty of fruits and vegetables, whole grains and lean protein is a great way to take care of yourself and your growing baby. Following a healthy diet during pregnancy can help avoid:

▪ Excessive weight gain
▪ Preterm labor
▪ Low birth weight baby
▪ Gestational diabetes
▪ Pre-eclampsia

How much weight to gain?

The Institute of Medicine (1) has set guidelines for pregnancy weight gain based on a woman’s pre-pregnancy body mass index (BMI). Your height and weight are used to calculate your BMI. You can access online BMI calculators at https://www.cdc.gov/healthyweight/assessing/bmi/adult_bmi/english_bmi_calculator/bmi_calculator.html.

Eating for two does not mean twice the calories

It is often stated that women should eat 300 extra daily calories during pregnancy. This number is an average of the increased caloric needs of the entire pregnancy. Ideally, the increase in calories should happen gradually. As the baby grows, so does the expectant mother’s need for extra calories:

<table>
<thead>
<tr>
<th>Pre-Pregnancy BMI</th>
<th>Weight Gain (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Underweight</td>
<td>less than 18.5</td>
</tr>
<tr>
<td>Normal weight</td>
<td>18.5 – 24.9</td>
</tr>
<tr>
<td>Overweight</td>
<td>25.0 – 29.9</td>
</tr>
<tr>
<td>Obese</td>
<td>30.0 and greater</td>
</tr>
</tbody>
</table>

Institute of Medicine (1)
The University of Arizona Cooperative Extension

During pregnancy your blood volume increases by 50 percent! With such a large increase there is a need to get extra iron in your diet. The recommended intake of iron for pregnant women is 27mg/day (4).

Food sources of iron include lean meats, including lean beef and poultry, leafy greens such as spinach, oatmeal, beans, and dried fruits including raisins, prunes, and apricots. To improve absorption of the iron in plant foods, consume iron-containing foods with acidic foods or drinks like orange juice. For example, you can absorb more iron from spinach if you eat it with a vinaigrette versus a cream-based dressing like ranch. You can also drink beverages such as tomato or orange juices that are naturally acidic when consuming plant based sources of iron.

**Calcium**

This mineral gets a lot of attention in bone health and your growing baby needs calcium. It helps with the baby’s bone development. It is very important to get enough calcium in your diet as many Americans do not get enough, even women do not get enough before they are pregnant. It is important to get enough calcium as your body will take the calcium from your bones so your baby has enough. Over time, not enough calcium can cause osteoporosis later in life. The recommended intake of calcium is 1000mg/day for pregnant women. This is the same amount for pre-pregnant women. Sources of this mineral include dairy products, dark leafy greens, oranges, tofu, pinto beans, and calcium-fortified foods, such as calcium-fortified orange juice.

**Omega-3 Fats**

These healthy fats must be obtained from your diet. Omega 3 fats help the growing baby’s developing brain and nervous system. There is no established recommended intake for this nutrient during pregnancy, but the recommended adequate intake for women is 1.1 grams a day (2). Fish are excellent sources of omega 3 fats, but since pregnant women need to limit their fish intake (see below for details on environmental pollutants), other sources such as certain fortified foods or dietary supplements might be needed to ensure you are getting enough. Remember to talk to your health provider before taking any supplements.

**Seafood can be part of a healthy pregnancy diet**

Fish is a good source of lean protein and healthy fats such as omega 3s. However, some fish contain high amounts of mercury, which can be harmful to the growing baby. In order to minimize the risk of mercury contamination, pregnant and lactating women should follow the advice below (6):

- Avoid: swordfish, king mackerel, tilefish, and shark
- Limit: albacore tuna (canned or cooked) to 6 oz a week
- Consume: tilapia, cod, salmon, shrimp, sardines, catfish up to 12 oz a week

In addition, pregnant women should avoid eating raw fish (see section on foodborne illness, below.)
Foodborne illness

Foodborne illness is especially dangerous during pregnancy, as the resulting vomiting and diarrhea can leave a pregnant woman severely dehydrated. A particularly serious contamination is caused by listeriosis, which pregnant women are at a higher risk for than healthy adults. The best way to avoid listeria is to thoroughly wash all fruits and vegetables and to avoid the foods listed below.

Foods to avoid to protect from listeria (6):
- Mexican non-pasteurized soft cheeses, such as queso blanco, queso fresco, asadero
- Any unpasteurized dairy product or juice
- Undercooked meats, poultry, eggs, and seafood
- Cured or deli meats that have not been thoroughly reheated until steaming hot
- Refrigerated smoked seafood, or refrigerated meat spreads
- Raw fish

During pregnancy and when feeding young children, it is particularly important to follow the four basic food safety steps: clean, separate, cook, and chill (7).

Should pregnant women exercise?

Getting regular physical activity during pregnancy can be part of a healthy pregnancy. Regular physical activity during pregnancy can help manage weight gain during pregnancy and help manage discomforts of pregnancy (5):
- May lower the risks for gestational diabetes and pre-eclampsia
- Promotes health amount of weight gain during pregnancy
- Promotes muscle strength and tone
- Helps reduce leg and back pain, constipation, swelling, and bloating
- Promotes good circulation
- Helps improve your sleep

It is important to talk to your doctor about physical activity during your pregnancy. Doctors may advise against regular physical activity for high risk pregnancies (8).

If you do engage in physical activity during pregnancy remember to choose activities that are suitable for your trimester of pregnancy. In general, walking, swimming and water exercises, riding a stationary bike, modified yoga and pilates, and low-impact aerobics are good exercises to engage in.

Even healthy pregnancies have discomforts

Health pregnancies often have discomforts associated with them. These discomforts can range from pain in legs, hips, and back to digestive discomforts including nausea and vomiting in early pregnancy, heartburn and constipation (6).

There are ways to manage some of these discomforts. We will focus on several that can be managed through diet.

Nausea and vomiting

These symptoms are very unpleasant to have during pregnancy. However, women do encounter these two symptoms. The best way to manage these symptoms is to:
- Avoid foods that trigger these symptoms. Foods that are spicy can commonly trigger nausea and vomiting.
- Avoiding foods that have strong odors
- Eating smaller portions
- Having more plain foods or starchy foods
- Eat every 2-3 hours instead of having 3 large meals each day
- Eat foods that you know you tolerate

Heartburn

This can happen throughout pregnancy and is uncomfortable. To manage this discomfort try eating smaller meals and if there are certain foods that trigger it, then avoid those foods. You can also try sleeping with your head and upper torso elevated slightly to avoid acid reflux.

Constipation

This discomfort can be managed by drinking plenty of water and getting at least 28 g/day of dietary fiber. One cup of cooked beans contains 15 g of fiber, for example. Moderate physical activity can help as well.

Healthy mother, healthy baby

Pregnancy is a great time to improve your diet and take care of yourself. A healthy mother is more likely to give birth to a healthy baby – so if you are pregnant or planning to get pregnant, now is the best time to adopt these healthy behaviors!
Resources


