

Welcome to Elements of Care

Congratulations on your pregnancy and thank you for choosing Elements of Care! This packet is intended to help guide you through what to expect from your prenatal care and your pregnancy. Please use this packet as a reference throughout your pregnancy; it is always available on our website. The packet includes a brief overview of tests offered in pregnancy, common discomforts, a list of safe remedies, nutrition recommendations, etc.

We want your pregnancy to be as happy and healthy as possible for you and your baby. Our goal is to provide you with quality care and support each step of the way. Pregnancy can be a wonderful experience, but it can also be a time of uncertainty and anxiety. At your scheduled visits, we will address any questions or concerns you and your partner have.

Our office is open Monday through Thursday from 8 a.m. to 5 p.m. and Friday from 7 a.m. to 4 p.m. The office closes for lunch daily from 12 p.m. to 1 p.m. We have an answering service for after-hours and weekend urgent situations. If you feel your situation is a medical emergency, please call 911 or go directly to the Emergency Room. If you have any questions, please call the office at 623-544-1000.

We look forward to sharing this exciting journey with you!

Congratulations!

Maternity Leave and Insurance Coverage	3
What Will Happen at Your Visits	4
Additional Information About Tests During Pregnancy	5
Common Discomforts of Pregnancy	11
Safe Medications for Pregnancy and Breastfeeding	14
Warning Signs During Pregnancy	17
Nutrition During Pregnancy	19
Healthy Weight Gain in Pregnancy	26
Exercise During Pregnancy	26
Sexuality During Pregnancy	28
Travel During Pregnancy	28
Vaccines In Pregnancy	28
Toxoplasmosis	30
Signs of Labor	30
Breastfeeding Frequently Asked Questions (FAQs)	31
Postpartum Depression and Behavioral Health Resources	34
Car Seat Safety	35
Deciding About Circumcision	35
Important Phone Numbers	36



Maternity Leave

Most women may continue working as long as they wish unless otherwise instructed by their healthcare provider. Some women feel too tired or uncomfortable by the end of pregnancy to continue working full time. Please inform us if you are experiencing these symptoms or have concerns about potential workplace hazards. Certain conditions such as back pain or pelvic pain will be treated with various modalities prior to recommending leave from work. Please check with your employer regarding your maternity leave benefits. It is recommended that you take at least a 6-week maternity leave to recover and bond with your baby.

Please provide us with any FMLA or medical leave paperwork in advance, preferably by 28 weeks gestation. It typically takes 7 to 10 days to complete. The initial set of insurance/FMLA/Medical Leave paperwork is completed for \$25.00. Any additional sets of paperwork will be completed for \$15.00 per set.

Insurance Coverage

Please check with your insurance carrier to understand your maternity benefits. In our experience, coverage for lab work and additional medical treatment varies by medical plan.



What will happen at your visits?

Below are lab tests, ultrasounds, and other care to expect during your visits for a normal pregnancy:

Weeks	Gestation Lab Tests/Other	Ultrasounds	Visit Frequency
1 st OB Visit	Complete physical exam, OB panel, Pap test (if necessary), vaginal and urine cultures.	Routine ultrasound for fetus viability, date confirmation and check for heartbeat.	Every 4 weeks until 28 weeks.
11-14 Weeks	Carrier screening to identify maternal genetic abnormalities: Trisomy 21 (Down's Syndrome) and Trisomy 18 with First Trimester Screen (FTS) or Noninvasive Prenatal Testing (NIPT). All screenings are optional.	Ultrasound for measurement of Nuchal Translucency and nasal bone imaging as part of the first trimester screening for Trisomy 21. All screenings are optional.	
16-20 Weeks	MS-AFP screening for neural tube abnormalities such as Spina Bifida (optional).		
20-22 Weeks	Consider attending prenatal classes and tour the hospital Labor and Delivery unit.	Ultrasound for fetal anatomy and growth.	
24-28 Weeks	Gestational Diabetes glucose screening, Complete Blood Count (CBC), Syphilis (RPR) testing and repeat antibody testing as needed. Pre-Register in Admitting Department for your labor and delivery.		28 to 36 weeks – visits every 2 weeks.
28 Weeks	RhoGAM injection if Mother's blood type is Rh Negative.		
35-37 Weeks	Group B Strep culture (GBS)		36 weeks to delivery – weekly visits



Additional information about lab tests during pregnancy

1st OB visit and subsequent appointments

Complete Blood Count (CBC)— Check for anemia and other abnormalities.

Blood Type and Rh Factor – Women who are Rh negative may need to receive RhoGAM at 28 weeks, after delivery, and at other times in pregnancy when they have bleeding or spotting. This prevents the breakdown of your baby's red blood cells in future pregnancies.

Antibody Screen – Checks for red blood cell antibodies.

Syphilis (RPR) – A sexually transmitted infection that can cause developmental abnormalities.

HIV Test – Blood test screening for HIV. You can have HIV for years without symptoms. If you have HIV, there is a 1 in 4 chance you could pass it to your baby. There are treatments available that can reduce the risk of HIV transmission to the baby.

Hepatitis B & C – Checks for hepatitis B or C infection in the mother to help prevent infection in the baby after delivery.

Rubella Immunity – Identifies mother's immunity to the virus that causes Rubella. Rubella is an infection that can cause severe developmental abnormalities.

Pap Test – Screening test for cervical cancer.

Chlamydia and Gonorrhea – Sexually transmitted infections that can be potentially harmful to you and the baby if not treated promptly.

Urinalysis and Culture – Screening test for urinary tract infection.

24-28 Week Labs

One Hour Glucose Screen – Screens for diabetes in pregnancy. If the screen is positive, you will need a 3 hour glucose tolerance test to diagnose gestational diabetes.

CBC – Recheck for anemia

RPR – Recheck for syphilis

Antibody Screen – If RH negative



35 – 37 Week Labs

GBS Culture – Group B Strep is a common bacteria found in many women's vaginal and rectal areas. It is not an infection in women but may cause infection in the baby if not treated (See section on "Group B Strep").

Routine Ultrasounds During Pregnancy

At our practice, we routinely perform 3 sonograms during your pregnancy. The first is done at your initial visit to confirm your due date and listen for the baby's heartbeat. The second ultrasound, done at approximately 12 weeks, is for measurement of Nuchal Translucency and nasal bone imaging as part of the first trimester screening for Trisomy 21. The third ultrasound is done at 20 weeks gestation. This ultrasound will assess the baby's growth, basic anatomy, and placenta.

All patients have the option of having a gender reveal ultrasound at 16 weeks or a 3D/4D ultrasound between 24 – 28 weeks. There is a charge for both ultrasounds since they are not considered medically necessary and therefore not covered by insurance.

Additional ultrasounds may be necessary during your pregnancy for growth, fluid checks, etc.

Prenatal Chromosomal Abnormality Screening (All screening is optional.)

Prenatal screening looks for increased risk of an infant with Trisomy 21 (Down Syndrome), Trisomy 13, and Trisomy 18. The incidence of these abnormalities increases with maternal age, however younger women give birth to most of the affected children. Women who will be 35 or older at the time of delivery may elect to complete more advanced screening or invasive diagnostic testing instead of the initial screening tests.

Electing to have prenatal chromosomal abnormality screening is a personal decision. There is no "right" choice. Some women decide to have only an anatomy ultrasound and no further testing. If you opt to complete the screening, consider what you will do with the results. Below are some questions you may want to ask yourself while you make this decision:

Do I want to have any of this information?



- How would learning about these chromosomal abnormalities before the baby is born help me prepare and plan?
- How would this information help me make choices about my pregnancy if a chromosomal abnormality is found?
- Will taking these tests help me feel more reassured?

Remember that all the non-invasive prenatal tests are screening tests, they are not diagnostic tests. A screening test predicts the chance that your baby has a certain chromosomal abnormality. A diagnostic test tells you if your baby does or does not have a certain chromosomal abnormality.

All the screening tests have a chance of a false negative and false positive result. A false negative result means the test comes back negative when in fact the baby has one of the tested abnormalities. A false positive result means the test comes back positive when the baby does not have any of the tested chromosomal abnormalities. If your screening results are positive, you may be advised to have a more advanced screening test, but you may decline any further testing.

NON-INVASIVE TESTING

First Trimester

- First Trimester Screen (FTS): This maternal blood test assesses the risk of Trisomy 21 (Down Syndrome) and Trisomy 18 and is performed between 11 and 14 weeks. The test measures beta hcg and pregnancy associated plasma protein A (PAPP-A). This test can identify up to 85% of Trisomy 21 pregnancies with a 5% false-positive rate.
- Cell-Free DNA: This test assesses the risk of Trisomy 21, 13, and 18 by analyzing the fetal chromosomes in the maternal bloodstream. This test can be done at 10 weeks gestation or later. It has a detection rate of up to 98% and a false positive rate as low as 0.1%.
- Ultrasound for Nuchal Translucency and Nasal Bone image: Carrier Screening to identify maternal genetic abnormalities performed between 11-14 weeks. The ultrasound measures the fluid accumulation behind the neck of the fetus (Nuchal Translucency) and the presence of the nasal bone.



Second Trimester

- Quad Screen: This test assesses for Trisomy 21, 18, and spina bifida through a maternal blood test. This test is done between 16 and 20 weeks. The blood is analyzed for maternal serum alpha fetoprotein (MS AFP), hcg, Estriol, and Dimeric inhibin A. The Quad Screen detects up to 85% of Down syndrome pregnancies at a 7% false positive rate.
- Maternal Serum-Alpha FetoProtein (MS-AFP) This is a blood test that screens for neural tube abnormalities such as spina bifida. This screen is conducted between 16- and 20-weeks gestation. This test will detect approximately 85% of neural tube abnormalities.
- o **Cell-Free DNA:** This can also be completed in the second trimester.



Genetic Carrier Screening

This screening is discussed at your first OB visit and can be conducted at any time.

Your ethnicity could provide clues to help determine if your baby could have a rare genetic condition. There are some inherited conditions that are more common in certain ethnic groups than others (see the following Table). Most often, a child would only be affected by one of these conditions if the mother and father are carriers. Carriers usually have no symptoms of the disease and may not have a family history of the disease.

To find out if you are a carrier for these conditions, you need to provide a blood sample. It is your choice whether to have any or all of these tests. Please check with your insurance carrier about coverage for these tests.

Ancestral Group	Hereditary Condition
African American	Beta Thalassemia
Eastern European (Ashkenazi) Jewish	Sickle Cell Disease Canavan Disease
European Caucasian Mediterranean	Cystic Fibrosis
East and Southeast Asian**	Familial Dysautonomia
Hispanic**	Tay-Sachs Disease Cystic Fibrosis Beta Thalassemia
Middle Eastern	Sickle Cell Disease Alpha Thalassemia

Central Asian**Sickle Cell Disease 5-25% (5 to 25 out of 100) Source: "Ancestry Based Carrier Screening" published by the National Society of Genetic Counselors, Inc., 2005.



^{**}Numbers for this group are estimates and may vary depending on exact ethnicity.

Cystic Fibrosis

Cystic fibrosis (CF) is an inherited, lifelong condition that causes breathing and digestive problems. There is no cure, but there are many treatments for the symptoms. Common symptoms of CF include coughing, wheezing, loose stools, abdominal pain, failure to thrive, and in men, infertility. Treatment involves medication to aid digestion, proper nutrition, and lung therapy.

Cystic fibrosis is caused by mutations in the CFTR gene that causes the person's body to make thick, sticky mucus that clogs the lungs and leads to life-threatening lung infections. This thick mucus also blocks the pancreas, which keeps the body from digesting food properly.

When a woman and her partner are both carriers of a mutation in the CFTR gene, they have a 1 in 4 chance of having a child with CF. To date, more than 1,700 mutations have been identified in the gene for CF. Screening for the 23 most common mutations is available and can identify a couple's risk of having a child with CF.

Rh Factor and RhoGAM

Rh factor is a protein found on red blood cells. Most people have the Rh factor protein present on their red blood cells. These people are "Rh positive". The remaining people do not have the Rh factor protein present on their red blood cells. These people are "Rh negative".

The baby's Rh factor may be different from the mother's Rh factor. This only becomes a problem if the mother is Rh negative, the infant is Rh positive, and the blood mixes. This mixing can happen during labor or any time there is vaginal bleeding or abdominal trauma. When the blood mixes, the Rh-negative blood will develop antibodies to fight the Rh-positive proteins. This is called Rh sensitization. When sensitization occurs, these antibodies can attack the baby's blood, causing hemolytic disease. Rh sensitization can also affect future pregnancies and lead to serious health consequences for the baby.

If your body has not made antibodies against Rh factor, hemolytic disease can be prevented. Rh immunoglobulin, or RhoGAM, is made from human blood plasma that can block the production of Rh antibodies. In a normal pregnancy, RhoGAM is given at 28 weeks and again after you deliver the baby. RhoGAM is safe for use in pregnancy and has been used since the late 1960's.



Every situation is unique and requires individualized treatment. Your health care provider will work closely with you throughout the pregnancy to plan the safest course of treatment for you and your baby.

Group Beta Strep

Group Beta Strep, also called GBS, can be found in 10-30% of pregnant women. It is normally found in the gastrointestinal, urinary, and reproductive tracts. GBS is not a sexually transmitted infection and usually does not cause serious illness.

A woman with GBS can pass it to her baby during delivery. Some infants (1-2 in 100) can become seriously ill because of this infection, but most will be unaffected.

Vaginal culture is the most accurate test for GBS. This is a simple procedure performed between 35 and 37 weeks. A swab is placed in the woman's vagina and rectum to obtain a sample. If the test results are positive for GBS, you will receive antibiotics during labor to help prevent GBS from being passed to your baby. If you had a previous baby with a GBS infection or a urinary tract infection caused by GBS, you do not need a culture, you will receive antibiotics during labor.

Common Discomforts of Pregnancy

Nausea/Vomiting

- Eat 5-6 small meals daily so your stomach does not become empty. Eat dry crackers, toast, or cereal before getting out of bed in the morning. Plain potato chips and lemonade may also work.
- Eat ginger, crackers, dry toast, and a bland diet.
- Limit liquid intake with meals, but drink water freely between meals.
- Avoid greasy, spicy, or strong-smelling foods.
- Try Sea Bands for relief.
- If you cannot keep food or beverages down for 24 hours or longer, please call the office.
- Try medications from the approved list (see Safe Medications p. 14).
- If your symptoms do not improve, prescription medication may be recommended.



Tender Breasts

- Wear a well-fitted, supportive bra at all times. Wear snug sports bras during exercise and at night.
- Apply a cool cloth to the breasts.
- Avoid breast stimulation, pat breasts dry after bathing.

Urinary Frequency

- Avoid known bladder irritants such as caffeine and carbonated beverages.
- Urinate regularly, every 2-3 hours.
- Reduce fluid intake in the later evening hours. It is important you do not become dehydrated. Make sure you are drinking plenty of fluid at other times of the day.

Fatigue

- Take a nap during the day or rest, especially in the last 2 months of pregnancy.
- Engage in 30 minutes of light, daily exercise throughout pregnancy.
- Eat every 2-3 hours to prevent low blood glucose. Eat a diet adequate in protein and iron.

Constipation

- Increase fiber in your diet (raw fruits, vegetables, prunes, whole grains).
- Drink adequate fluids, at least 8 glasses of fluid daily. Drink a cup of hot water 3 times a day.
- Regular exercise, such as walking, can help stimulate the bowels.
- Do not ignore the urge to have a bowel movement.
- If the problem persists, try Metamucil, Fibercon, Citrucel 1-3 times daily or Colace 1-2 times daily.

Hemorrhoids

- Avoid constipation, straining with bowel movements, or diarrhea.
- Rest throughout the day with your hips and legs elevated.
- Sit on firm surfaces, when possible.
- Perform Kegel exercises daily.
- Apply Preparation H or Anusol after bowel movements as directed.
- Use witch hazel medicated wipes.

Low Backache

• Maintain good posture and use proper body mechanics when lifting.



- Avoid standing for long periods of time, rest frequently.
- If standing for prolonged periods, place one foot on a footstool to keep one knee higher than hips.
- Sleep on a firm mattress, on your side with pillows propped under your uterus and between your knees.
- Wear low-heeled shoes.
- Pelvic tilt/pelvic rock exercises.
- Wear a supportive maternity belt.
- Apply a warm pack to back. Do not place it on your abdomen.
- Massage.

Vaginal Discharge

- Bathe the vaginal area frequently with cool water and mild, unscented soap.
- Wear cotton underwear; avoid pantyhose, Spanx, and tight-fitting pants.
- Avoid using products containing color, fragrance, or deodorant in the vaginal area.
- If discharge continues, has an odor, or causes irritation please contact the office.

Heartburn

- Eat 5-6 small meals daily. Avoid drinking large amounts of fluid with meals, drink fluids between meals.
- Avoid greasy, fatty, or spicy foods, caffeine, and avoid eating large meals.
- Do not lay down right after eating, stay upright for 30-60 minutes.
- Wear nonrestrictive clothing around the abdomen.
- Elevate the upper body on pillows when lying down.

Dizziness

- Move slowly when changing positions, especially if you have been lying down.
- Eat regular meals and snacks. Five or six small meals daily is best and stay well hydrated.
- Avoid long exposure to the sun.

Leg Cramps

- Regular exercise like walking promotes circulation and keeps leg muscles stretched.
- Stay well hydrated.
- Avoid sitting or standing for long periods.



- Stretch calf muscles before bed each night.
- Avoid pointing toes when stretching.

Round Ligament Pain

- Avoid sudden movement from sitting to standing. Arise slowly from bed in the morning.
- Support the uterus with a pillow under the abdomen and between the knees when lying down.
- Wear an abdominal support garment or belt.
- During an episode of pain, sit and flex the knees to the abdomen to shorten the ligaments.

Safe Medications for Pregnancy and Breastfeeding

The over-the-counter medications on this list are safe in pregnancy and breastfeeding when used as directed. Generally, it is best to avoid any medication while pregnant, especially in the first 12 weeks. However, if necessary, the medications below may be used. If you have symptoms requiring the use of these medicines for more than three days, please call the office.

Anemia

Anemia is common during and after pregnancy. You may be asked to take an iron supplement. Remember that iron can be constipating. When taking iron, you should increase your intake of fiber and fluids. Any of these supplements may be used.

Ferrous Sulfate, Slow-Fe, Ferrosequets, Feosol, Ferrofolia 500

Colds/Sinus Congestion/Hay fever

The following medications may help to relieve the symptoms of cold or allergy. If you have a fever of 101F or greater, please call the office. Do not use any cold preparations that contain alcohol. The following medicines are safe to use.

Actifed, Sudafed, Benadryl, Alavert, Saline nasal spray, Chlor-trimenton, Travist-D, Claritin, Zyrtec



Cough/ Sore throat

A cool mist humidifier may be helpful. Call if you have a fever of 101F or greater with your cough. Do not use any cough medicine that contains alcohol. The following medicines are safe to use as directed.

Benedryl Cough, Robitussin DM, Mucinex, cough drops, Cepacol Max, Vicks, N'Ice, Cepastat, Sucrets, Cepacol throat

Constipation

Increase your intake of fiber and fluids. Exercise daily and use any of the following as needed.

Colace, Senakot, Konsyl, Milk of Magnesia, Metamucil, Surfak, Citracel, Miralax, 1-ounce mineral oil in juice

Hemorrhoids

Anusol-HC, Preparation H, Tucks medicated pads

Diarrhea

Increase your fluid intake. Try the BRAT diet (bananas, rice, applesauce, and toast). If diarrhea persists for more than 48 hours, please call the office. Use the following as directed.

Kaopectate, Imodium AD

Fever

Dress lightly, increase fluid intake, and take tepid baths. If you have a fever of 101F or greater, please call the office. Use the following as directed.

Tylenol, Extra Strength Tylenol 650mg 4-6 hours (maximum does 4,000 mg in 24 hours)



Headaches

Try resting your eyes, dimming the lights, and using a cool compress on your neck and forehead. Call the office if your headache is severe, affects your vision, or is not relieved by Tylenol. The following medicines may be used.

Tylenol, Extra Strength Tylenol, Magnesium 400mg 2 times daily

Heartburn/Indigestion

Avoid spicy or fatty foods. Eat small frequent meals and avoid lying down directly after meals. You may use the following as directed.

Gaviscon, Rolaids, Maalox, Tums, Mylanta, Pepcid/Prilosec

Nausea/Vomiting

Eat small frequent meals to keep food in your stomach. Avoid strong odors. Please call the office if you are unable to keep anything down. You may use the following as directed.

Emetrol, Ginger Tea, Benadryl 25mg, Red Raspberry – tea or capsule, Lemonade & Potato Chips, Acupressure bracelet, Vitamin B6 25mg – 3 to 4 times daily/ Unisom $50mg \frac{1}{2}$ tablet at bedtime

Muscle Aches/Backache

Remember to use good posture and good body mechanics and a maternity support. Use the following as directed.

Tylenol, Extra Strength Tylenol, Topical Pain, Icy Hot, Bengay

Rash/Itchy Skin

1% Hydrocortisone cream/ ointment, Benadryl cream/ spray, Sarna or Triple medicated lotion

Remember to take your prenatal vitamins!!!



Warning Signs During Pregnancy

Please call the office right away if you are experiencing any of the following symptoms.

- Bleeding or spotting.
- Uterine cramping or tightening 6 or more times per hour that is not relieved with rest and hydration and if you are less than 37 weeks pregnant.
- Sharp, constant pain in your belly.
- Fever of 101F or greater.
- Nausea or vomiting that persists for more than 24 hours and you are unable to keep down food or fluid.
- Sudden swelling of face, hands, or feet and does not improve overnight or with rest or elevation.
- Continued severe headache that won't go away after resting and/or taking acetaminophen (Tylenol).
- Pain and/or burning when you urinate.
- Decrease in your baby's normal movement and activity. Your baby should move at least 10 separate times in a 1-hour period every day after 28 weeks. (See Fetal Kick record below for further instructions.)

Go to the hospital if you are experiencing any of the following symptoms.

- A gush or leakage of water.
- Vaginal bleeding
- Severe pain
- Persistent blurred vision or spots, stars, flashing lights before your eyes.



Fetal Kick Record

Patient Name:	 	
Due Date:	 	
Start date:	 # of weeks pregr	nant

Instructions

- 1. Count fetal movements every day.
- 2. One movement could be a kick or a turn. Do not count hiccups.
- 3. You can start the count in the evening or night, whenever your baby is most active.
- 4. Lie down on your right side and drink a cold beverage.

Remember to count every night!

- 5. Mark down the time you feel the 1st movement.
- 6. Mark down the time you feel the 10th movement.
- 7. You should feel 10 movements in 1 hour. Call the office immediately if:
 - You do not feel 10 movements in 1 hour.
 - It takes longer than 1 hour to complete the fetal counts.
 - If you have zero fetal movements all day.

Date	Time of 1st Movement	Time of 10th Movement	Total Time



Nutrition During Pregnancy

Healthy eating in pregnancy is very important for your baby to grow and develop. During the second and third trimesters, you should consume 200 to 300 more calories than you did before you became pregnant. Think of this as an extra snack you eat sometime during the day.

Example snacks could be 8 ounces of skim milk and half a peanut butter sandwich, a banana and peanut butter, 1 cup of cottage cheese and strawberries, $\frac{1}{2}$ cup of dried fruit and nuts, an avocado and crackers, a hard-boiled egg and crackers, small baked potatoes with yogurt, or hummus and veggies.

Although nausea and vomiting during the first few months of pregnancy can make this difficult, try to eat a well-balanced diet and take prenatal vitamins. Here are some recommendations to keep you and your baby healthy.

Goals for Healthy Eating

Eat a variety of foods to get all the nutrients you need. Recommended daily servings: 6-11 servings of bread and grains, 2-4 servings of fruit, 4 or more servings of vegetables, 4 servings of dairy products, and 3 servings of protein sources (meat, poultry, fish, eggs, or nuts). Include healthy fats such as avocado, nuts and olive oil.

Choose foods high in starch and fiber such as whole-grain breads, cereals, pasta, rice, fruits, and vegetables. Maintain total fat intake of up to 30% of daily calories.

Make sure you are getting enough vitamins and minerals in your daily diet. Take prenatal vitamin supplements to make sure you are consistently getting enough vitamins and minerals every day. Your doctor can recommend an over-the-counter brand or prescribe a prenatal vitamin for you.

Eat and drink at least 4 servings of dairy products and calcium-rich foods a day to help ensure that you are getting 1200mg of calcium in your daily diet.

Eat at least three servings of iron-rich foods per day to ensure you are getting 30mg of iron in your daily diet. Examples: meats, eggs, leafy green vegetables, strawberries, prunes, beans.

Choose at least one good source of vitamin C every day, which include: oranges, grapefruits, strawberries, honeydew, broccoli, cauliflower, Brussels sprouts, green peppers, tomatoes, and mustard greens.



Choose at least one good source of folic acid every day, which includes: dark green leafy vegetables, veal, and legumes (lima beans, black beans, black-eyed peas and chickpeas). Every pregnant woman needs 0.4mg of folic acid per day to help prevent neural tube abnormalities such as spina bifida.

Choose at least one source of vitamin A every other day. Sources of vitamin A include carrots, pumpkins, sweet potatoes, spinach, water squash, turnip greens, beet greens, apricots, and cantaloupe.

Are There Foods I Should Avoid?

Limit caffeine to no more than 300mg per day. Chocolate contains caffeine – the amount of caffeine in a chocolate bar is equal to ¼ cup of coffee.

The use of saccharin is strongly discouraged during pregnancy because it can cross the placenta and may remain in fetal tissues. The use of non-nutritive or artificial sweeteners approved by the FDA is acceptable during pregnancy. These FDA-approved sweeteners include aspartame, acesulfame-K, and sucralose. Talk with your health care provider about how much non-nutritive sweetener is acceptable during pregnancy.

Maintain total fat at 30% or less of your total daily calories. For a person eating 2000 calories a day, this would be 65 grams of fat or less per day.

Do not eat shark, swordfish, king mackerel, or tilefish, as they contain high levels of mercury.

You may eat up to 12 ounces (2 average meals) per week of a variety of fish and shellfish that are lower in mercury. Examples of fish low in mercury are shrimp, canned light tuna, salmon, Pollock, and catfish. You may eat up to 6 ounces of albacore ("white") tuna per week as this has more mercury than canned light tuna.

Avoid soft cheeses such as feta, brie, camembert, blue-veined, and Mexican-style cheese, unless labeled as pasteurized. These cheeses are often unpasteurized and may cause Listeria infection. Hard cheese, processed cheese, cream cheese, cottage cheese, or yogurt need not be avoided.



What Should I Eat When I Don't Feel Well?

During pregnancy you may have morning sickness, diarrhea, or constipation. You may find it hard to keep food down, or you may feel too sick to eat at all. Here are some suggestions:

Morning sickness – eat crackers, cereal, or pretzels before getting out of bed; eat small, frequent meals throughout the day: avoid fatty, fried and greasy foods.

Constipation – eat more fresh fruit and vegetables. Also drink 6 to 8 glasses of water a day.

Diarrhea – eat more foods that contain pectin and gums (two types of dietary fiber) to help absorb excess water. Examples of these foods are applesauce, bananas, white rice, oatmeal, refined wheat bread and smooth peanut butter. Limit acidic foods such as juices, tomato-based foods/sauces and spicy foods.

Heartburn – eat small, frequent meals throughout the day; try drinking milk before eating; and limit caffeinated foods and beverages.

Can I Diet While I am Pregnant?

No. Do not diet or try to lose weight during pregnancy – both you and your baby need the proper nutrients to be healthy. Keep in mind that you will lose some weight the first week your baby is born.

Can I Eat a "Low Carb" Diet While I am Pregnant?

No. Low carbohydrate diets, such as Atkins and the South Beach Diet are very popular. There have been no studies of the effects of a low carbohydrate diet on pregnancy, so its effect on the fetus, if any, are unknown. While you are pregnant, you should eat a balanced diet from all the food groups.

Can I Maintain My Vegetarian Diet While Pregnant?

Yes. Being pregnant doesn't mean you have to diverge from your vegetarian diet. Your baby can receive all the nutrition he or she needs to grow and develop while you follow a vegetarian diet if you make sure that you eat a wide variety of healthy foods that provide enough protein and calories for you and your baby.



Depending on the type of vegetarian meal plan you follow, you may need to adjust your eating habits to ensure that you and your baby are receiving adequate nutrition (you should consume 200 to 300 more calories than you did before you became pregnant).

Why Do I Need More Calcium?

Calcium is a nutrient needed in the body to build strong teeth and bones. Calcium also allows blood to clot normally, muscles and nerves to function properly, and the heart to beat normally. Most of the calcium in your body is found inside of your bones.

Your growing baby needs a considerable amount of calcium to develop. If you do not consume enough calcium to sustain the needs of your developing baby, your body will take calcium from your bones, decreasing your bone mass and putting you at risk for osteoporosis. Osteoporosis causes dramatic thinning of the bone, resulting in weak, brittle bones that can easily be broken. Pregnancy is a critical time for a woman to consume more calcium. Even if no problems develop during pregnancy, an inadequate supply of calcium at this time can diminish bone strength and increase your risk of osteoporosis later in life.

How Much Calcium Should I Consume During Pregnancy?

The following guidelines will help ensure that you are consuming enough calcium throughout your pregnancy:

- The U.S. Recommended Daily Allowance (USRDA) for calcium is 1200mg per day for pregnant and lactating (breastfeeding) women over age 24. The USRDA for women under age 24 is 1200 to 1500mg of calcium per day.
- Eating and drinking at least four servings of dairy products and calcium-rich foods a day will help ensure that you are getting 1200mg of calcium in your daily diet.
- The best sources of calcium are dairy products including milk, cheese, yogurt, cream soups and pudding. Calcium is also found in foods including green vegetables (broccoli, spinach, and greens), seafood, dried peas and beans.
- Vitamin D will help your body use calcium. Adequate amounts of vitamin D
 can be obtained through exposure to the sun and in fortified milk, eggs and
 fish.



How Can I Get Enough Calcium if I am Lactose Intolerant?

Lactose intolerance is the inability to digest lactose, the sugar found in milk. If you are lactose intolerant, you may have cramping, gas, or diarrhea when dairy products are consumed. If you are lactose intolerant, you can still receive the calcium you need. Here are some suggestions:

- Try consuming small amounts of milk with meals. Milk may be better tolerated with food.
- You may be able to tolerate certain milk products that contain less sugar including cheese, yogurt, and cottage cheese.
- Eat non-dairy calcium sources including greens, broccoli, sardines and tofu.
- Use Lactaid milk fortified with calcium. Talk to your dietitian about other lactose-reduced products.
- Take a calcium supplement.

Should I Take a Calcium Supplement?

If you have trouble consuming enough calcium-rich foods in your daily meal plan, talk to your doctor or dietitian about taking a calcium supplement. The amount of calcium you will need from a supplement depends on how much calcium you are consuming through food sources. Calcium supplements and some antacids containing calcium, such as Tums, may complement an already healthy diet. Many multivitamin supplements contain little or no calcium; therefore, you may need an additional calcium supplement.

Why Do I Need More Iron Now That I am Pregnant?

Iron is a mineral that makes up an important part of hemoglobin, the substance in blood that carries oxygen throughout the body. Iron also carries oxygen in muscles, helping them function properly. Iron helps increase our resistance to stress and disease.

The body absorbs iron more efficiently during pregnancy; therefore, it is important to consume more iron while you are pregnant to ensure that you and your baby are getting enough oxygen. Iron will also help you avoid symptoms of tiredness, weakness, irritability, and depression.



How Much Iron Should I Consume?

Following a balanced diet and including foods high in iron can help ensure that you are consuming enough iron throughout your pregnancy. In addition, the following guidelines will help:

- The US RDA for iron is 30mg per day for pregnant and lactating women.
- Eating at least three servings of iron-rich foods daily will help ensure that you are getting 30mg of iron in your daily diet. One of the best ways to get iron from your diet is to consume a highly fortified breakfast cereal such as Total, which has 18mg of iron. Note that iron intake is not equal to iron absorption. Absorption of iron into the body is greatest with meat sources of iron.
- The best sources of iron include enriched grain products, lean meat, poultry and fish, and leafy green vegetables.

Should I Take an Iron Supplement?

Talk to your health care provider about an iron supplement. The National Academy of Sciences recommends that all pregnant women following a balanced diet take an iron supplement providing 30mg of iron during the second and third trimesters of pregnancy. Your doctor may increase this if you become anemic. Iron deficiency anemia is a condition in which the size and number of red blood cells are reduced. This condition may result from inadequate intake of iron or from blood loss.

What Are Good Sources of Iron?

Meat and Seafood: Lean beef, chicken, clams, crab, egg yolk, fish, lamb, pork, sardines, shrimp, turkey, and veal.

Vegetables: Black-eyed peas, broccoli, Brussels sprouts, collard and turnip greens, lima beans, sweet potatoes.

Legumes: Dry beans and peas, lentils, and soybeans.

Fruits: All berries, apricots, dried fruits, including prunes, raisins and apricots, grapes, grapefruit, oranges, plums, prune juice, and watermelon.

Breads and Cereals: Enriched rice and pasta, soft pretzel, and whole grain and enriched or fortified breads and cereals.



Other Foods: Molasses, peanuts, pine nuts, pumpkin, or squash seeds.

Other Facts About Iron

- Vitamin C helps the body use iron. It is important to include sources of vitamin C along with foods containing iron and iron supplements.
- Caffeine can inhibit the absorption of iron. Try to consume iron supplements and foods high in iron at least one to three hours before or after drinking or eating foods containing caffeine.
- Iron is lost in cooking some foods. To retain iron, cook foods in a minimal amount of water and for the shortest possible time. Also, cooking in cast iron pots can add up to 80% more iron in foods.
- Constipation is a common side effect of taking iron supplements. To help relieve constipation, slowly increase the fiber in your diet by including whole grain breads, cereals, fruits, and vegetables. Drinking at least 8 cups of fluids daily and performing moderate exercise (as recommended by your doctor) can also help you avoid constipation.

Are Food Cravings Normal During Pregnancy?

Yes. Although there is no widely accepted explanation for food cravings, almost two-thirds of pregnant women have them. If you develop a sudden urge for a certain food, go ahead and indulge your craving if it provides energy or an essential nutrient. But, if your craving persists and prevents you from getting other essential nutrients in your diet, try to create more balance in your daily menu.

During pregnancy, your taste for certain foods may change. You may suddenly dislike foods you were fond of before you became pregnant. In addition, during pregnancy, some women feel strong urges to eat non-food items such as ice, laundry starch, dirt, clay, chalk, ashes, or paint chips. This is called pica, and it may be associated with an iron deficiency. Do not give into non-food cravings – they can be harmful to both you and your baby. Tell your health care provider if you have any non-food cravings.



Healthy Weight Gain in Pregnancy

Healthy weight gain during pregnancy is important to help your baby grow and get your body ready to breastfeed. Your recommended weight gain depends on your BMI before pregnancy and is determined on an individual basis. A slow, steady weight gain is usually advised during pregnancy.

BMI Before Pregnancy	ВМІ	Total Weight Gain*	Rate of weight gain for 2 nd and 3 rd trimesters
Underweight	<18.5	28 – 40 pounds	1 – 1.3 pounds per week
Normal weight	18.5 – 25	25 – 35 pounds	0.8 – 1 pound per week
Overweight	25 – 30	15 – 25 pounds	0.5 – 0.7 pounds per week
Obese	>30	11 – 20 pounds	0.4 – 0.6 pounds per week

If you are pregnant with more than one baby, your weight gain goals may be larger.

Where does the weight go?

- Extra fluid 2-3 pounds
- Extra energy stored as fat 5-8 pounds
- Blood 4 pounds
- Breasts 2-3 pounds
- Placenta and Amniotic fluids 4-6 pounds
- Uterus 2-3 pounds
- Baby 6-8 pounds

Exercise During Pregnancy

Exercise has excellent physical and emotional benefits. Some of the benefits of exercising during pregnancy include reduced fatigue, less swelling, reduction in leg cramps, improved sleep, less constipation, reduced back and joint pain, and reduced risk



^{*}Source: National Academy of Science

of gestational diabetes and preeclampsia. If you already have an exercise regimen, you can continue these activities. If you are not currently active, try light to moderate physical activity.

When you are exercising you should stay well hydrated and avoid becoming overheated. You should be able to talk when you are active. If you become dizzy, have vaginal bleeding, contractions, chest pain, or decrease/absent fetal movement you should stop your activity immediately. Ask your health care provider before starting a new exercise regimen.

The American College of Obstetrics and Gynecology Recommends:

- 1. Continuing mild to moderate exercise, at least 3 times a week is preferable to intermittent exercise.
- 2. Avoid exercise while lying directly on your back after 12 weeks.
- 3. When exercising, make sure you increase your water intake and modify your exercise by how you feel.

Exercises Generally Considered Safe in Pregnancy

- Low impact aerobics or pregnancy fitness classes
- Stationary bike
- Jogging or walking
- Swimming or water aerobics
- Prenatal yoga
- Non-competitive racket sports or golf
- Weight training (avoid excessive straining)

Exercises To Avoid in Pregnancy

- Contact sports
- SCUBA
- Downhill skiing
- Extremely vigorous exercise or overexertion
- Gymnastics
- Horseback riding



Sexuality During Pregnancy

It is safe for most women to have sex during pregnancy. Your needs and desires may change as the pregnancy progresses. Discuss these feelings with your partner and work to find comfortable activities that will please both of you.

There may be times your healthcare provider will advise you to avoid sex. You should abstain from sexual intercourse if you have pain, have symptoms of preterm labor, have leakage of fluid, or any vaginal bleeding.

Travel During Pregnancy

It is generally safe to travel during pregnancy if there is nothing complicating your pregnancy. The best time to travel is typically between 14 and 28 weeks as most problems tend to happen early or late in pregnancy. After 34 to 36 weeks, it is more sensible to stay close to home unless there are justifying circumstances. Ask your healthcare provider about travel to foreign countries and or travel in the late third trimester. There are some things you can consider that could make your travel safer and more comfortable:

- Wear your seat belt every time you ride in a car. Position the lap belt under your stomach and the shoulder belt between your breasts.
- Keep airbags turned on.
- If you are riding a bus or train, remain seated while the bus is moving.
- You have a higher risk for blood clots while pregnant. This means it is important
 not to stay motionless too long. Take rest stops at least every 2 hours to walk and
 stretch. If you are flying, do leg exercises while seated to get your blood
 circulating, stay well hydrated, and wear compression stockings.
- Take a copy of your prenatal records with you.

Vaccines In Pregnancy

Vaccines can provide some disease protection for you and your baby during pregnancy and for your baby during the first few months of life, until they can receive their own vaccine. Getting flu, Tdap (tetanus, diphtheria, and pertussis), RSV (respiratory syncytial



virus) and COVID-19 vaccines while you are pregnant helps your body create protective antibodies (proteins produced by the body to fight off diseases), which can be passed to your baby.

The following vaccines are routinely recommended during pregnancy:

Inactivated Influenza vaccine

Due to changes in the immune system, heart and lungs during pregnancy, pregnant and postpartum women are at higher risk for severe illness and complications from influenza than women who are not pregnant. The influenza vaccine can be administered at any time during pregnancy, before and during influenza season.

Tetanus, Diphtheria and Pertussis (Tdap) vaccine

Tdap helps protect against whooping cough (pertussis), which can be lifethreatening for newborns. You'll need a Tdap vaccine during your pregnancy, with optimal timing between 28 and 36 weeks of pregnancy.

• Respiratory Syncytial Virus (RSV) vaccine

RSV is a common respiratory virus causing mild, cold-like symptoms in most people. However, RSV can be serious as infants and older adults are more likely to develop severe RSV and need hospitalization. The RSV vaccine is given between weeks 32 and 36 of your pregnancy during RSV season to help protect you and your baby from the disease. The RSV vaccine is currently also recommended for babies 8 months or younger during their first RSV season.

Covid-19 vaccine

COVID-19 vaccination is recommended for persons who are pregnant, might become pregnant, were recently pregnant or are breastfeeding. If you are pregnant or were recently pregnant, you are more likely to get very sick from COVID-19 than people who are not pregnant. Also, if you have COVID-19 during pregnancy, you are more likely to have complications that can affect your pregnancy and developing baby.

Receiving a Covid vaccination during pregnancy can help protect babies younger than 6 months old from hospitalization due to COVID-19, when they are too young to be vaccinated themselves,

Visit <u>vaccines.gov</u> and <u>cdc.gov/vaccines</u> for more information.



Toxoplasmosis

Toxoplasmosis is a single-cell parasite known as Toxoplasma gondii. Healthy adults who become infected with toxoplasmosis typically suffer only a mild flu-like illness or have no symptoms at all. However, when a pregnant woman becomes infected with toxoplasmosis, her baby can become infected. Toxoplasmosis can cause developmental abnormalities and possibly death in the unborn baby. Possible sources of toxoplasmosis include cat feces and litter boxes, contaminated soil, or eating raw meat. Below are some precautions you can take to avoid exposure to potential sources of toxoplasmosis:

- Do not clean the cat's litter box and avoid contact with cat feces. Another
 household member should change the litter box. If this is not possible, wear
 disposable gloves while cleaning the litter box and wash your hands thoroughly
 afterward.
- The litter box should be cleaned daily.
- Do not feed your cat raw meat and keep your cat indoors during pregnancy.
- Wear gloves while gardening or handling soil or sand.
- Avoid ingesting raw meat. Wear gloves while preparing meat and wash hands thoroughly after food preparation.
- Wash your hands before handling or eating any food.

Signs of Labor

Labor occurs at 37 weeks or later. Go to the hospital (Labor and Delivery unit) if you have any of the following symptoms:

- Contractions that are regular, 4 to 5 minutes apart, and occur about 1 minute long for an hour. Contractions are regular, increase in frequency and intensity. You are not able to walk or talk through the contractions.
- Gush of fluid or fluid leaking from your vagina.
- Vaginal bleeding.



Breastfeeding Frequently Asked Questions (FAQs)

By Nancy Mohrbacher, IBCLC, Lactation Consultant, Ameda Products Co-author of Breastfeeding Made Simple and The Breastfeeding Answer Book

Before and after birth, many mothers may have questions about breastfeeding. Here are answers to common questions.

Why Should I Consider breastfeeding?

Your baby is born expecting to receive the nutrients found in your milk. Of course, your milk is a great food for your baby. But it is far more. Your milk contains live cells that engulf germs to help prevent illness. Some of these live cells stay active in your baby's body for years, helping to keep her/him healthy long after weaning. Still other parts of your milk help to activate your baby's immune system. We are only now starting to understand the many roles mother's milk plays in your baby's lifelong health.

Breastfeeding is also part of your relationship with your baby. It calms and comforts your baby. It is one way of bringing you and your baby closer.

Does my breast size matter?

No. Fatty tissue determines breast size, and this has no effect on milk making. Women have breastfed twins, triplets, even quads!

Will breastfeeding be bad for my figure?

The changes in your figure happen mainly due to pregnancy. Your breasts may be larger while breastfeeding. They will likely return to their usual size after you wean. Also, breastfeeding may help you get back into shape faster.



How do I know if breastfeeding will work for me?

To put the odds in your favor, learn about breastfeeding. When you know how to breastfeed comfortably and how milk supply works, it tends to go more smoothly. Also, see the next question.

Where can I learn about breastfeeding?

There are breastfeeding classes and lactation consultants offered at the hospital and in the community. Breastfeeding information provided by Banner Hospital is available at the following website.

https://www.bannerhealth.com/services/maternity/post-delivery/breastfeeding

The Banner Del E. Webb lactation consultants can be reached at 623-524-4462.

Will breastfeeding hurt?

It may be uncomfortable initially but that should not last.

How do I know how much milk my baby is getting?

That's easy. What goes in must come out! From day to day, you can tell that your baby is getting plenty of milk from his/her wet diapers and stools. A healthy weight gain also tells you for sure that you have abundant milk. Generally, you should not need to know exactly how many ounces your baby takes. You only need to know that your baby is thriving. This can simplify life with a newborn.

What if I don't want to breastfeed in public?

You don't have to if you don't want to. There are lots of private places to breastfeed, such as fitting rooms and ladies' lounges. But most women find that with a little practice they can breastfeed with ease anywhere.



Do I need to watch what I eat and drink?

It is recommended to avoid alcohol. There are no foods you must eat or avoid. Be moderate. You can eat chocolate, spicy foods, onions, garlic, broccoli, cabbage. And you don't have to have a perfect diet. Nature provides milk for the baby first by tapping your body stores. Continue a well-balanced diet and maintain adequate hydration. Limit caffeine to 300mg daily.

If I breastfeed, will my partner feel left out?

The birth of a baby brings many changes. No matter how a baby is fed, strong feelings can surface. But today, partners tend to be more active in baby care and parenting. If you breastfeed, your partner can be an active parent. When you are out, your baby can be fed pumped mother's milk. In some families, a partner stays home with the baby while the mother works outside the home. In this case, mothers can breastfeed while home and pump their milk while away.

I'm going back to work within weeks after birth. Should I even start breastfeeding?

Yes. Some breastfeeding is nearly always better than none. And breastfeeding does not have to be all or nothing. When you go back to work, you have many choices:

- Full breastfeeding keep your baby with you or have your baby brought to you for feedings.
- Pump milk at work for all missed feedings.
- Give some pumped milk and some formula while you're away.
- Give formula while away and breastfeed when together.

What if I'm not able to breastfeed? What if I do not feel breastfeeding is right for me?

The decision to breast or formula feed is a personal decision based on your lifestyle, comfort, and medical situation. Breastfeeding may not be possible for all women. Infant formula is a healthy alternative. Infant formula provides the nutrients your baby needs for proper growth and development. Feeding, no matter how, is a wonderful time to strengthen your bond with your baby.



Postpartum Depression

This is general information and does not replace the advice of your healthcare provider. If you have a problem you cannot solve quickly, seek help right away.

You may experience a range of emotions the first few weeks after your baby is born. Many mothers will feel sad or cry easily for a week or two after the baby is born, this is called the Baby Blues. If you continue to feel sad after 2 weeks you should talk to your health care provider, as you may have Postpartum Depression.

Symptoms of postpartum depression include feeling sad, alone, overwhelmed, ashamed, guilty, angry, upset, irritable, and less interested in your usual activities. You may also feel excessive worry, sleep excessively, have trouble relaxing, have appetite changes, and feel rejected by your baby. If you have these feelings, get help right away. For more information visit

Go to the Emergency Room if you have thoughts of hurting yourself or your baby.

Behavioral Health Resources:

Second Chance (Phoenix, AZ and telehealth)	602-464-9576	
Southwest Network, Bell Rd.	673-815-5700	
Emerald Isle Health	855-657-0253	
Valleywise First Episode Clinic, in-patient	623-344-6860	15–25-year-olds
Resilient Health	602-595-5447	
AZ Center for Change	602-253-8488	
Allium Mental Health	480-750-0095	
Destiny Sober Living	602-249-6674	

Crisis Resources:

Crisis Line, Arizona	844-534-4673
	800-662-4357
Suicide Hotline	800-273-8255 or dial 988
Valleywise Crisis Services	602-222-9444



Car Seat Safety

Tips for installing your car seat safely:

- Rear-facing at least until your baby is 1 year old and 20 pounds. Ideally, keep your child in a rear-facing position as long as possible.
- The center of the back seat of the car is the safest position.
- Never place a car seat in front of an airbag.
- Install seat at a 45-degree angle. Check the car seat manual.
- The handle should be down and locked when traveling.
- The car seat should move no more than 1 inch in either direction at belt path.
- It is unsafe to use products such as fleece inserts, headrests, attachable toys, belt tighteners that were not installed by the manufacturer.

Having a car seat installed safely in your vehicle(s) before the baby is ready to come home is important. Install the seats a few weeks before your expected due date. Visit www.seatcheck.org to find tips for selecting your car seat, proper installation, and where to get the installed car seat inspected.

Deciding About Circumcision

Circumcision is a procedure to remove the skin covering the end of the penis often called the "foreskin". Most often, a circumcision is done in the first few days of a baby's life if the baby is healthy.

There may be some health benefits to circumcision. Still, the American Academy of Pediatrics (AAP) does not recommend that all baby boys be circumcised. Since circumcision is not essential to a child's health, parents should choose what is best for their child. Discuss circumcision with your pediatrician.



Important Phone Numbers for Banner Del E. Webb Hospital

Main Hospital: 623-524-4000

Labor and Delivery: 623-524-4240

Pickles and Ice Cream Maternity Tour: 602-230-2273

Lactation Consultants: 623-524-4462

Elements of Care Contact Information

Our Office

15515 N. Reems Rd., Suite 101, Surprise, Arizona 85374

Contact

Office: 623-544-1000

Fax: 623-544-1025

Hours

Monday – Thursday 8:00 am – 5:00 pm Friday 8:00 am – 4:00 pm

Message

Send a secure message to your provider on our patient portal.

Website

drfadool.com