

## DEFINITION

- Concerns that the baby is moving less
- Concerns and questions about fetal movement
- Questions about how to perform a kick count

Note:

- Pregnant and patient is not in labor

## INITIAL ASSESSMENT QUESTIONS

1. FETAL MOVEMENT: "Has the baby's movement decreased or changed significantly from normal?" (e.g., yes, no; describe)
2. EDD: "What date are you expecting to deliver?"
3. PREGNANCY: "How many weeks pregnant are you?"
4. OTHER SYMPTOMS: "Do you have any other symptoms?" (e.g., abdominal pain, leaking fluid from vagina, vaginal bleeding, etc.)

## TRIAGE ASSESSMENT QUESTIONS

### Call EMS 911 Now

Sounds like a life-threatening emergency to the triager

CA: 40, 1

### See More Appropriate Guideline

Injury to abdomen

*Go to Guideline: Pregnancy - Abdomen Injury (Adult)*

[1] Pregnant > 36 weeks AND [2] having contractions or other symptoms of labor

*Go to Guideline: Pregnancy - Labor (Adult)*

[1] Pregnant < 37 weeks AND [2] having contractions or other symptoms of labor

*Go to Guideline: Pregnancy - Labor - Preterm (Adult)*

[1] Pregnant > 20 weeks AND [2] abdominal pain

*Go to Guideline: Pregnancy - Abdominal Pain Greater Than 20 Weeks EGA (Adult)*

[1] Pregnant > 20 weeks AND [2] vaginal bleeding or spotting

*Go to Guideline: Pregnancy - Vaginal Bleeding Greater Than 20 Weeks EGA (Adult)*

## Go to L&D Now

New blurred vision or vision changes

*R/O: preeclampsia*

*CA: 52, 92, 1*

[1] SEVERE headache AND [2] not relieved with acetaminophen (e.g., Tylenol)

*R/O: preeclampsia*

*CA: 52, 92, 1*

Leakage of fluid from vagina

*R/O: rupture of membranes*

*CA: 52, 92, 17, 1*

## Go to L&D Now (or PCP triage)

[1] Pregnant 23 or more weeks AND [2] baby moving less today by kick count (e.g., kick count < 5 in 1 hour or < 10 in 2 hours)

*Reason: needs exam and fetal monitoring*

*CA: 55, 7, 3, 90, 1*

[1] Pregnant 23 or more weeks AND [2] baby moving less today AND [3] unable or unwilling to perform kick count

*Reason: needs exam and fetal monitoring*

*CA: 55, 7, 3, 90, 1*

[1] Pregnant 23 or more weeks AND [2] normal kick count BUT [3] mother still thinks there is something wrong

*Reason: needs exam and fetal monitoring. Note: this disposition may also be appropriate for reassuring an anxious mother who has very rapid fetal movements. Usually, increased fetal activity is considered a positive sign of fetal well-being.*

*CA: 55, 7, 3, 90, 1*

[1] Pregnant 23 or more weeks AND [2] no movement of baby > 8 hours

*Reason: needs exam and fetal monitoring*

*CA: 55, 6, 7, 10, 90, 1*

Fever > 100.4 F (38.0 C)

*R/O: chorioamnionitis, pyelonephritis, viral illness*

*CA: 55, 76, 80, 1*

New hand or face swelling

*R/O: preeclampsia*

*CA: 55, 92, 1*

Patient sounds very sick or weak to the triager

*Reason: severe acute illness or serious complication suspected*

*CA: 55, 80, 1*

## Call PCP Now

[1] Pregnant 20-22 weeks AND [2] has felt baby move previously AND [3] no movement of baby > 8 hours

*Reason: patient counseling and reassurance; may need exam and fetal monitoring*

CA: 49, 6, 7, 10, 90, 1

### See PCP within 24 Hours

Pain or burning with passing urine (urination)

R/O: UTI, cystitis

CA: 44, 13, 14, 407, 7, 3, 15, 1

### See PCP within 3 Days

[1] Pregnant 20 or more weeks AND [2] has not felt baby move yet

Reason: needs exam to determine dates

CA: 45, 12, 6, 7, 89, 1

### Home Care

[1] Pregnant 23 or more weeks AND [2] baby moving normally OR normal kick count

CA: 48, 5, 7, 3, 4, 1

[1] Pregnant 23 or more weeks AND [2] baby moving less today AND [3] willing to perform kick count

CA: 48, 2, 3, 7, 4, 1

[1] Pregnant 20 or more weeks AND [2] has felt baby move in past 8 hours

CA: 48, 9, 10, 7, 11, 1

[1] Pregnant < 20 weeks AND [2] has not felt baby move yet

CA: 48, 18, 6, 7, 8, 1

Fetal hiccups, questions about

CA: 48, 16, 3, 4, 1

### CARE ADVICE (CA) -

1. **Care Advice** given per Pregnancy - Decreased Fetal Movement (Adult) guideline.
2. **Reassurance and Education:** Given what you have told me, it sounds like you do not need to go to Labor and Delivery at the hospital right now. But I want to make certain that you are comfortable with this and give you instructions on performing a kick count.
3. **Kick Count Instructions:**
  - Pick the time of the day that your baby is most active.
  - Sit back in a comfortable chair or lay down on your left side in bed.
  - Do this in a quiet room (no TV, cell phone, computer, or children).
  - Count any baby movement (kicks, rolls, flutters). Count up to 10.
  - **Normal Kick Count:** 5 or more in one hour or 10 or more in 2 hours.
  - **Low Kick Count:** Less than 5 in one hour or less than 10 in 2 hours.

4. **Call Back If:**
  - Low kick count (under 5 in 1 hour or under 10 in 2 hours)
  - Normal kick count but you still are worried that something is wrong
  - You have other questions or concerns.
5. **Reassurance and Education:** Given what you have told me, it sounds like you do not need to go to Labor and Delivery at the hospital right now. But I want to make certain that you are comfortable with this and to answer any questions that you have.
6. **Quickening:**
  - Quickening is the term used to describe when a woman first feels baby movement.
  - This usually occurs between the 18th-20th weeks of pregnancy.
  - Thin women feel movements earlier in pregnancy than overweight women.
  - Women use many different terms to describe their babies' movements. Early in pregnancy women may describe a "fluttering", a "nudge", a "butterfly", or a slight "twitch".
7. **Fetal Movement and Pregnancy Dates:**
  - *1-15 Weeks:* Baby is too small for mother to feel the baby move.
  - *16-18 Weeks:* Some women begin to feel the baby move, especially if they had a baby before.
  - *18-20 Weeks:* Many women begin to feel baby move around this time.
  - *20-23 Weeks:* Most women begin to feel baby move around this time.
  - *24 Weeks:* All women should feel the baby move by this time.
  - *Over 28 Weeks:* Some doctors advise that women check kick counts each day.
8. **Call Back If:**
  - No baby movement felt by 20 weeks (or see your physician)
  - You have any other questions or concerns.
9. **Reassurance and Education:** Given what you have told me, it sounds like you do not need to be worried. This early in pregnancy some women may not feel their babies move at all for many hours.
10. **Fetal Movement Decreased:** During the day when you are most active the baby is often the most quiet. Perhaps the baby is rocked to sleep by the rhythmic motion of your walking and activity. **Increased:** Many women report that their babies are most active at night. Others note that the baby's movements increase after meals or in response to a stressful situation.
11. **Call Back If:**
  - No baby movement felt for more than 24 hours
  - You have any other questions or concerns.
12. **Reassurance and Education:** This may not be serious. Some women do not feel their babies move until after 20 weeks. Some women find that their pregnancy dates were wrong. But, it is time for you to see a physician and get an examination.
13. **Fluids:** Drink extra fluids. Drink 8-10 glasses of liquids a day. (Reason: to produce a dilute, non-irritating urine.)

14. **Cranberry Juice:**
- Some people think that drinking cranberry juice may help in fighting urinary tract infections. While there is some research that shows cranberry juice *might help prevent* a urine infection, there is not much evidence that it helps treat the infection. However, if you wish to drink cranberry juice, here are some instructions.
  - *Dosage Cranberry Juice Cocktail:* 8 oz (240 ml) twice a day.
  - *Dosage 100% Cranberry Juice:* 1 oz (30 ml) twice a day.
15. **Call Back If:**
- Abdominal pain or fever over 100.4 F (38.0 C) occurs
  - Any vaginal bleeding or spotting occurs
  - Low kick count (if pregnant over 24 weeks)
  - You become worse.
16. **Fetal Hiccups:**
- Fetal hiccups are common. Women usually first feel them in the second trimester. They become even more noticeable in the last trimester of pregnancy.
  - *What does it feel like?* Women use terms like "tapping" or a "regular beating" or just plain "baby hiccups".
  - *Are they normal?* While they may feel strange, they are normal and harmless. There is no reason for concern. Some doctors tell their patients that this is the baby "practicing breathing and swallowing".
17. **Leakage:** Place menstrual pad in underwear. Bring towel; you may wish to put it on the seat of your car.
18. **Reassurance and Education:** Given what you have told me, it sounds like you do not need to be worried. Many women do not feel their babies move until after 20 weeks.
40. **Call EMS 911 Now:**
- Immediate medical attention is needed. You need to hang up and call 911 (or an ambulance).
  - *Triager Discretion:* I'll call you back in a few minutes to be sure you were able to reach them.
41. **Go to ED Now:**
- You need to be seen in the Emergency Department.
  - Go to the ED at \_\_\_\_\_ Hospital.
  - Leave now. Drive carefully.
42. **Go To ED Now (or PCP triage):**
- **If No PCP (Primary Care Provider) Second-Level Triage:** You need to be seen within the next hour. Go to the ED/UCC at \_\_\_\_\_ Hospital. Leave as soon as you can.
  - **If PCP Second-Level Triage Required:** You may need to be seen. Your doctor (or NP/PA) will want to talk with you to decide what's best. I'll page the provider on-call now. If you haven't heard from the provider (or me) within 30 minutes, go directly to the ED/UCC at \_\_\_\_\_ Hospital.

43. **See HCP Within 4 Hours (or PCP triage):**
- **If Office Will Be Open:** You need to be seen within the next 3 or 4 hours. Call your doctor (or NP/PA) now or as soon as the office opens.
  - **If Office Will Be Closed and No PCP (Primary Care Provider) Second-Level Triage:** You need to be seen within the next 3 or 4 hours. A nearby Urgent Care Center (UCC) is often a good source of care. Another choice is to go to the ED. Go sooner if you become worse.
  - **If Office Will Be Closed and PCP Second-Level Triage Required:** You may need to be seen. Your doctor (or NP/PA) will want to talk with you to decide what's best. I'll page the on-call provider now. If you haven't heard from the provider (or me) within 30 minutes, call again. **NOTE:** If on-call provider can't be reached, send to UCC or ED.
44. **See PCP Within 24 Hours:**
- **If Office Will Be Open:** You need to be seen within the next 24 hours. Call your doctor (or NP/PA) when the office opens and make an appointment.
  - **If Office Will Be Closed and No PCP (Primary Care Provider) Second-Level Triage:** You need to be seen within the next 24 hours. A clinic or an urgent care center is often a good source of care if your doctor's office is closed or you can't get an appointment.
  - **If Office Will Be Closed and PCP Second-Level Triage Required:** You may need to be seen within the next 24 hours. Your doctor (or NP/PA) will want to talk with you to decide what's best. I'll page the on-call provider now. **NOTE:** Since this isn't serious, hold the page between 10 pm and 7 am. Page the on-call provider in the morning.
  - **If Patient Has No PCP:** Refer patient to a clinic or urgent care center. Also try to help caller find a PCP for future care.
45. **See PCP Within 3 Days:**
- You need to be seen within 2 or 3 days. Call your doctor (or NP/PA) during regular office hours and make an appointment. A clinic or urgent care center are good places to go for care if your doctor's office is closed or you can't get an appointment. **NOTE:** If office will be open tomorrow, tell caller to call then, not in 3 days.
  - **If Patient Has No PCP (Primary Care Provider):** A clinic or urgent care center are good places to go for care if you do not have a primary care provider. **NOTE:** Try to help caller find a PCP for future care (e.g., use a physician referral line). Having a PCP or "medical home" means better long-term care.
46. **See PCP Within 2 Weeks:**
- You need to be seen for this ongoing problem within the next 2 weeks. Call your doctor (or NP/PA) during regular office hours and make an appointment.
  - **If Patient Has No PCP (Primary Care Provider):** A primary care clinic or an urgent care center are good places to go for care if you do not have a primary care provider. **NOTE:** Try to help caller find a PCP (e.g., use a physician referral line). Having a PCP or "medical home" means better long-term care.
47. **Home Care - Information or Advice Only Call.**
48. **Home Care:**
- You should be able to treat this at home.

49. **Call PCP Now:**
- You need to discuss this with your doctor (or NP/PA).
  - I'll page the on-call provider now. If you haven't heard from the provider (or me) within 30 minutes, call again.
50. **Call PCP Within 24 Hours:**
- You need to discuss this with your doctor (or NP/PA) within the next 24 hours.
  - **If Office Will Be Open:** Call the office when it opens tomorrow morning.
  - **If Office Will Be Closed:** I'll page the on-call provider now. **Exception:** from 9 pm to 9 am. Since this isn't urgent, we'll hold the page until morning.
51. **Call PCP When Office Is Open:**
- You need to discuss this with your doctor (or NP/PA) within the next few days.
  - Call the office when it is open.
52. **Go To L&D Now:**
- You need to be seen.
  - Go to the Labor and Delivery Unit or the Emergency Department at \_\_\_\_\_ Hospital.
  - Leave now. Drive carefully.
55. **Go To L&D Now (or PCP triage):**
- **If No PCP (Primary Care Provider) Second-Level Triage:** You need to be seen. Go to the Labor and Delivery Unit at \_\_\_\_\_ Hospital within the next hour. Leave as soon as you can.
  - **If PCP Second-Level Triage Required:** You may need to be seen. Your doctor (or NP/PA) will want to talk with you to decide what's best. I'll page the on-call provider now. If you haven't heard from the on-call provider (or me) within 30 minutes, go to the Labor and Delivery Unit at \_\_\_\_\_ Hospital.
76. **Fever Medicine - Acetaminophen:**
- Fever above 101° F (38.3° C) should be treated with acetaminophen (e.g., Tylenol). This can be taken by mouth as pills or per rectum using a suppository. Both are available over the counter. Usual adult dose is 650 mg by mouth or per rectum every 6 hours.
  - The goal of fever therapy is to bring the fever down to a comfortable level. Remember that fever medicine usually lowers fever 2-3° F (1-1.5° C).
80. **Driving:** Another adult should drive.
89. **Call Back If:**
- You become worse.
90. **Call Back If:**
- You have more questions.
92. **Note to Triager - Driving:**
- Another adult should drive.
  - If immediate transportation is not available via car or taxi, then the patient should be instructed to call EMS-911.

#### 407. **Caution - Cranberry Juice:**

- Do not drink more than 16 oz (480 ml) of cranberry juice cocktail per day (Reason: too much cranberry juice can also be irritating to the bladder).
- There have been a couple cases reported of interactions between cranberry juice and Coumadin (warfarin). In these cases the INR level increased for a period of days while the person was drinking cranberry juice. The INR is a test that is used to determine if a person is taking the right amount of Coumadin. At higher INR levels there is an increased risk of bleeding.
- Remember, antibiotics are needed to treat a urine infection!

### FIRST AID



N/A

### BACKGROUND INFORMATION

#### Key Points

- Quickening is the term used to describe when a woman first feels baby movement. This usually occurs between the 18th-20th weeks of pregnancy. Women who have been pregnant previously can sometimes feel the baby move as early as the 16th or 17th week. Thin women feel movements earlier in pregnancy than overweight women.
- Women use many different terms to describe their babies' movements. Early in pregnancy women may describe a "fluttering", a "nudge", a "butterfly", or a slight "twitch". Later in pregnancy the baby is larger and the movements are more forceful. Women may then describe "hard kicking", "punching", or "rolling".
- Feeling the baby move is a great source of happiness for the mother to be. The fetal movements provide ongoing reassurance that all is going well with the pregnancy. A decrease or absence of fetal movement can cause significant maternal anxiety regarding the well-being of her baby, and may be a sign of fetal compromise.

#### Fetal Hiccups

- Fetal hiccups are common. Women usually first feel them in the second trimester. They become even more noticeable in the last trimester of pregnancy.
- *What does it feel like?* Women use terms like "tapping" or a "regular beating" or just plain "baby hiccups".
- *Are they normal?* While they may feel strange, they are normal and harmless. There is no reason for concern. Some doctors tell their patients that this is the baby "practicing breathing and swallowing".

#### Fetal Movement Dates

- *1-15 Weeks:* Baby is too small for mother to feel the baby move.
- *16-18 Weeks:* Some women begin to feel the baby move, especially if they had a baby before.
- *18-20 Weeks:* Many women begin to feel baby move around this time.
- *20-23 Weeks:* Most women begin to feel baby move around this time.
- *24 Weeks:* All women should feel the baby move by this time.
- *Over 28 Weeks:* Some doctors advise that women check kick counts each day.

#### Performing Kick Counts



- Performing a daily "kick count" or using a "kick chart" is one way to track your baby's movement.
- Some doctors recommend kick counts and some doctors do not.
- In some cases (such as a high risk pregnancy), it may be more important to perform daily kick counts.
- Research has shown that performing kick counts does not reduce stillbirths [Grant reference].

### Kick Count Instructions

- Pick the time of the day that your baby is most active.
- Sit back in a comfortable chair or lay down on your left side in bed.
- Do this in a quiet room (no TV, cell phone, computer, or children).
- Count any baby movement (kicks, rolls, flutters). Count up to 10.
- **Normal Kick Count:** 5 or more in one hour or 10 or more in 2 hours.
- **Low Kick Count:** Less than 5 in one hour or less than 10 in 2 hours.

### Increased Fetal Movement

- Usually, increased fetal activity is considered a positive sign of fetal well-being.
- Babies have regular periods during a day when their movements increase.
- Too much caffeine or sugar can possibly cause a baby to move more.
- Rarely, increased fetal movement can be a sign of fetal distress (hypoxia). Typically, in such a circumstance, the increased movement is followed by decreased fetal movement (e.g., a low kick count). For an anxious mother, the simplest and safest thing to do is to refer her in to L&D for fetal monitoring or arrange a call with her PCP.

### Calculating the Estimated Date of Delivery (EDD)

- EDB (estimated date of birth) and EDC (estimated date of confinement) mean the same thing as EDD.
- LNMP is the last normal menstrual period.
- *Nagele's rule:*  $EDD = (LNMP - 3 \text{ months}) + 7 \text{ days}$ .

### Calculating the Estimated Gestational Age (EGA)

- Gestational age is the number of weeks since the LNMP.
- A normal full-term pregnancy lasts 37-42 weeks.
- **Wheel:** Generally, the wheel is the best method for the triager to calculate the gestational age. The patient must be able to give you a relatively accurate LNMP. A wheel and a calculator are available on the internet at [www.medcalc.com](http://www.medcalc.com).
- **Ultrasound:** An ultrasound during early pregnancy can be very accurate in setting the EDD, if patient has had one performed and can remember the results.
- **Fundal height:** The top of the uterus can be palpated at the level of the navel at 20 weeks of gestational age.
- **Fetal Heart Tones:** Can be first heard with a doppler stethoscope at 10-12 weeks gestational age.

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## SEARCH WORDS

BABY  
 BABY HICCUP  
 BABY MOVEMENT  
 DECREASED FETAL MOVEMENT  
 DECREASED MOVEMENT  
 FETAL HICCUP  
 FETAL MOVEMENT  
 FETUS  
 HICCUP  
 INCREASED FETAL MOVEMENT  
 INCREASED MOVEMENT  
 KICK  
 KICK CHART  
 KICK COUNT  
 MOVEMENT

PREGNANCY  
PREGNANT  
QUICKENING  
UTERUS  
WOMB

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