

# Trimesters of Pregnancy in human

# 24-25 WEEKS

## SKELETAL DETECTION

- By 24 weeks, eyebrows and eyelashes are more noticeable.
- The skin of the fetus is wrinkled, but still very thin. At this point in the development, the first layers of fat are beginning to form.
- The fetal skeleton can be recognized.
- The Bones of the ears harden, making sound conduction possible.
- The fetus hears the pregnant woman's sounds such as breathing, heartbeat, and voice.
- This is the beginning of substantial weight gain for the fetus.
- Changes are occurring in lung development so that some babies are able to survive (with intensive care services), but the surviving babies may have disabilities and require long term intensive care.

**LENGTH: 8.5 inches**

**WEIGHT: 1 .25 pounds**



# 26 WEEKS

## RESPONDS TO SOUND

- The fetus can now respond to sound from both inside the pregnant woman's body and outside in her surroundings.
- At this stage, most of the babies born alive will survive if they are born in a hospital with the appropriate medical technology and experts. These babies will require long stays in a neonatal intensive care unit.
- Reflex movements improve and body movements are stronger.
- The lungs continue to develop but not fully mature.
- The skin has turned red and wrinkled and is covered with fine hair, the amount of body fat rapidly increases.
- Almost 8 out of 10 babies born now may survive (with intensive care services).
- [Thalamic](#) brain connections, which mediate sensory input, form.
- Bones are fully developed, but are still soft and pliable. [Iron](#), [calcium](#), and [phosphorus](#) become more abundant.
- Fingernails reach the end of the fingertips.
- Head hair becomes coarse and thicker.

**LENGTH: 9 inches**

**WEIGHT: 2 pounds**



# 28 WEEKS

- The fetus continues to develop and grow throughout the next 12 weeks.
- The eyes are now partially open.
- The thin, red, wrinkled skin of the fetus is covered with a white substance that resembles cheese, and it protects the skin from the drying effects of the amniotic fluid.

**LENGTH: 10 inches**

**WEIGHT: 2.5 pounds**

- The mouth and lips show more sensitivity.
- Brain wave patterns resemble those of a full term baby at birth.
- About 9 out of 10 babies born now will survive (with intensive care services).



# 32-33 WEEKS

## WRINKLES ON SOLES OF FEET

- From this stage on, fetal development centers mostly around growth.
- The fetus continues to gain weight and produce more fat.
- Wrinkles have appeared on the soles of the feet.
- A thick coat of vernix caseosa continues to form on the skin of the fetus.

**LENGTH: 11 inches**

**WEIGHT: 3 pounds**

- The skin is thicker and less red.
- There is an increase in the connections between the nerve cells in the brain.
- Almost all babies born now will survive (with intensive care services).



# 34-35 WEEKS

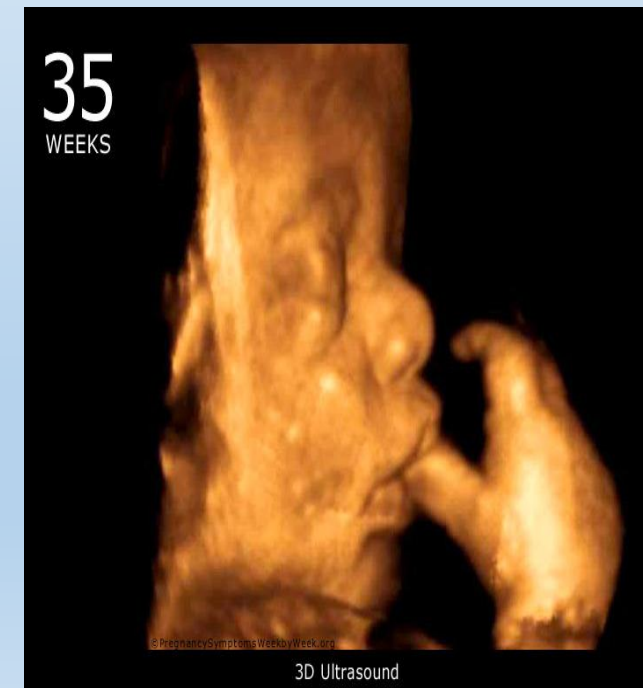
## 99% SURVIVAL

- The fetus is gaining weight steadily at approximately ½ pound per week.
- At this stage, the fetus begins to turn its head downward in preparation for birth.
- The survival rate at 34 weeks is about 99 percent.
- Some babies born at this stage will require intensive care; only a few will have permanent disabilities.
- A few babies born at 34 weeks will be able to leave the hospital with their mothers and will not require intensive care.

**LENGTH: 12 inches**

**WEIGHT: 4.5 pounds**

- The ears begin to hold shape.
- The eyes open during alert times and close during sleep.
- The skin is now smooth.



# 36 WEEKS

## ALMOST FULLY DEVELOPED

- The fetus is almost fully developed. The body is plump and more round
- The face is less wrinkled and the hair disappears from the face of the fetus but remains on the head.
- The fetus should now be in the correct position for birth.
- The Muscle tone has now developed, and the fetus can turn and lift its head.
- Almost all babies born now will survive.

**LENGTH: 12 .5 inches**

**WEIGHT: 5 .5 pounds**



# 38-39 WEEKS

## GRASPS FIRMLY

- The fetus can now grasp firmly. Its body appears plump and rounded.
- The lungs are usually mature.
- The fetus turns toward light sources.
- Almost all babies born now will survive.

**LENGTH: 13 .5 inches**

**WEIGHT: 6 .5 pounds**





# 40 WEEKS

## FULL TERM

- At 40 weeks, the fetus is considered full term.
- All body parts are fully developed, and the fetus can survive outside of the uterus.
- The chest of the fetus is defined.
- At the time of birth, a baby can display more than 70 reflex behaviors which are automatic and unlearned behaviors necessary for survival.
- The baby is full-term and ready to be born.

**LENGTH: 14 inches**

**WEIGHT: 7 pounds**



# Websites Used

- <http://www.childbirthsolutions.com/articles/pregnancy/weeklypregcalendar/index1.php>
- [http://www.pregnancy-period.com/first\\_trimester\\_pregnancy\\_week\\_by\\_week.htm](http://www.pregnancy-period.com/first_trimester_pregnancy_week_by_week.htm)  
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