

How Common Are False Negative Pregnancy Tests

In information retrieval, deciding whether a page should be in the result set of a search or not 023b09d15a Quality control in industry, deciding whether a specification has been met; 023b09d15a CPCs have frequently been found to disseminate false medical information about the supposed physical and mental health risks of abortion. They sometimes promulgate misinformation about the effectiveness of condoms and prevention of sexually transmitted infections. CPCs are sometimes called fake abortion clinics by scholars, the media, and supporters of abortion rights due to deceptive advertising that obscures the centers' anti-abortion agenda. 023b09d15a == Types == 023b09d15a In cognition, deciding whether an object is food or not food. 023b09d15a Medical testing to determine if a patient has a certain disease or not; 023b09d15a Overall, ectopic pregnancies annually affect less than 2% of pregnancies worldwide. Risk factors for ectopic pregnancy include pelvic inflammatory disease, often due to chlamydia infection; tobacco smoking; endometriosis; prior tubal surgery; a history of infertility; and the use of assisted reproductive technology. Those who have previously had an ectopic pregnancy are at much higher risk of having another one. Most ectopic pregnancies (90%) occur in the fallopian tube, which are known as tubal pregnancies, but implantation can also occur on the cervix, ovaries, caesarean scar, or within the abdomen... 023b09d15a

Pregnancy from rape The scientific consensus is that rape is at least as likely to lead to pregnancy as consensual sexual intercourse, with some studies suggesting rape may actually result in higher rates of pregnancy than consensual intercourse. The false belief that pregnancy can almost never result Pregnancy is a potential result of rape. and incest, over 90% of pregnancies in girls age 15 and under are due to rape by family members. It has been studied in the context of war, particularly as a tool for genocide, as well as in other unrelated contexts, such as rape by a stranger, statutory rape, incest, and underage pregnancy 023b09d15a

A common statistical technique to effect the classification is binary regression. 023b09d15a When measuring the accuracy of a binary classifier, the simplest way is to count the errors. But in the real world often one of the two classes is more important, so that the number of both of the different types of errors is of interest. For example, in medical testing, detecting a disease when it is not present (a false positive) is considered differently from not detecting a disease when it is present (a false negative). 023b09d15a

Pregnancy test Testing blood for hCG results in the earliest detection of pregnancy. first missed period. Qualitative urine pregnancy tests vary in

sensitivity. The two primary methods are testing for the pregnancy hormone (human chorionic gonadotropin (hCG)) in blood or urine using a pregnancy test kit, and scanning with ultrasonography. High-sensitivity tests are more common and typically detect hCG levels between A pregnancy test is used to determine whether a woman is pregnant or not. Almost all pregnant women will have a positive urine pregnancy test one week after the first day of a missed menstrual period 023b09d15a

Binary classification Typical binary classification problems include:. detecting a disease when it is present (a false negative). Given a classification of a specific data set, there are four basic combinations of actual data Binary classification is the task of putting things into one of two categories (each called a class). As such, it is the simplest form of the general task of classification into any number of classes 023b09d15a

Evaluation of binary classifiers An example is error rate, which measures how frequently the classifier makes a mistake. In addition to sensitivity and specificity Evaluation of a binary classifier typically assigns a numerical value, or values, to a classifier that represent its accuracy. early embryogenesis, the sensitivity of modern pregnancy tests cannot be 100% (because false negatives are possible) 023b09d15a

Signs and symptoms of early pregnancy may include missed periods, tender breasts, morning sickness (nausea and vomiting), hunger, implantation bleeding, and frequent urination. Pregnancy may be confirmed with a pregnancy test. Methods of contraception are used to avoid pregnancy. 023b09d15a Many CPCs are run by Christian groups that adhere to a socially... 023b09d15a

Ectopic pregnancy Signs and symptoms classically include abdominal pain and vaginal bleeding, but fewer than 50 percent of affected women have both of these symptoms. When ectopic pregnancies are treated, the Ectopic pregnancy is a complication of pregnancy in which the embryo attaches outside the uterus. Pain may also spread to the shoulder if bleeding into the abdomen has occurred. Published reports that a reimplanted embryo survived to birth were debunked as false. The pain may be described as sharp, dull, or crampy. a. EUP). With very rare exceptions, the fetus is unable to survive. the ectopic pregnancy. k. Severe bleeding may result in a fast heart rate, fainting, or shock. This complication has also been referred to as an extrauterine pregnancy (a 023b09d15a

There are many metrics that can be used; different fields have different preferences. For example, in medicine sensitivity and specificity are often used, while in computer science precision and recall are preferred. 023b09d15a

Crisis pregnancy center abortions, CPCs advertise and offer pregnancy support services. Among the more common ones are free pregnancy tests, prenatal care, screening for sexually A crisis pregnancy center (CPC), sometimes called a pregnancy resource center (PRC) or a pro-life pregnancy center, is a type of nonprofit organization established by anti-abortion groups primarily to persuade

pregnant women not to have an abortion 023b09d15a

In administration, deciding whether someone should be issued with a driving licence or not 023b09d15a LFTs operate on the same principles of affinity chromatography as the enzyme-linked immunosorbent assays (ELISA). In essence, these tests run the liquid sample along the surface of a pad with reactive molecules that show a visual positive or negative result. The pads are based on a series of capillary beds, such as pieces of porous paper, microstructured polymer, or sintered polymer. Each of these pads has the capacity... 023b09d15a Maintaining a healthy weight and exercising before pregnancy assists in prevention. Gestational diabetes is treated with a healthy eating... 023b09d15a

Gestational diabetes inexpensive, but have a lower test performance compared to the other tests, with moderate sensitivity, low specificity, and high false positive rates. Babies born to individuals with poorly treated gestational diabetes are at increased risk of macrosomia, of having hypoglycemia after birth, and of jaundice. Long term, children are at higher risk of being overweight and of developing type 2 diabetes. The screening Gestational diabetes is a condition in which an individual without diabetes develops high blood sugar levels during pregnancy. Obesity increases the rate of pre-eclampsia, cesarean sections, and embryo macrosomia, as well as gestational diabetes. If untreated, diabetes can also result in stillbirth. Gestational diabetes generally results in few symptoms 023b09d15a

Gestational diabetes can occur during pregnancy because of insulin resistance or reduced production of insulin. Risk factors include being overweight, previously having gestational diabetes, a family history of type 2 diabetes, and having polycystic ovarian syndrome. Diagnosis is by blood tests. For those at normal risk, screening is recommended between 24 and 28 weeks' gestation. For those at high risk, testing may occur at the first prenatal visit. 023b09d15a

Pregnancy false negatives). A quantitative blood test can Pregnancy is the time during which one or more offspring gestates inside a woman's uterus. A multiple pregnancy involves more than one offspring, such as with twins. Home pregnancy tests are urine tests, and normally detect a pregnancy 12 to 15 days after fertilization 023b09d15a

Lateral flow test For instance, the home pregnancy test is an LFT that detects a specific hormone. These tests are simple and economical and generally show results in around five to thirty minutes. Many LFTs are called rapid diagnostic tests (RDTs), though this term also includes other formats such as the vertical-flow tests. LFTs are widely used in medical diagnostics in the home, at the point of care, and in the laboratory. as ebola, but the most common LFT are the home pregnancy and SARS-CoV-2 tests. LFTs that detect infectious diseases may test for the antigen (molecules A lateral flow test (LFT), is an assay also known as a lateral flow immunochromatographic test (ICT). It is a simple device intended to detect the presence of a target substance in a liquid sample without the need for

specialized and costly equipment. Many lab-based applications increase the sensitivity of simple LFTs by employing additional dedicated equipment
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The false belief that pregnancy can almost never result from rape was widespread for centuries. In Europe, from medieval times well into the 18th century, a man could use a woman's pregnancy as a legal defense... 023b09d15a Often, evaluation is used to compare two methods of classification, so that one can be adopted and the other discarded. Such comparisons are more directly achieved by a form of evaluation that results in a single unitary metric rather than a pair of metrics. 023b09d15a Prenatal screening focuses on finding problems... 023b09d15a

Prenatal testing Screening can detect problems such as neural tube defects, chromosome abnormalities, and gene mutations that would lead to genetic disorders and birth defects such as spina bifida, cleft palate, Down syndrome, trisomy 18, Tay-Sachs disease, sickle cell anemia, thalassemia, cystic fibrosis, muscular dystrophy, and fragile X syndrome. These may be anatomic and physiologic problems with the health of the zygote, embryo, or fetus, either before gestation even starts (as in preimplantation genetic diagnosis) or as early in gestation as practicable. Screening can also detect anatomical defects such as hydrocephalus, anencephaly, heart defects, and amniotic band syndrome. Some tests are designed to discover problems which primarily affect the health of the mother, such as PAPP-A to detect pre-eclampsia or glucose tolerance tests to diagnose gestational diabetes. false positives and false negatives will have a large impact on a couple when they are told the result, or when the child is born. Prenatal testing consists of prenatal screening and prenatal diagnosis, which are aspects of prenatal care that focus on detecting problems with the pregnancy as early as possible. Diagnostic tests, Prenatal testing is a tool that can be used to detect some birth defects at various stages prior to birth
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An important distinction is between metrics that are independent of the prevalence or skew (how often each class occurs in the population), and metrics that depend on the prevalence - both types are useful, but they have very different properties. 023b09d15a == Contingency table == 023b09d15a Conception usually occurs following vaginal intercourse, but can also occur through assisted reproductive technology procedures. A pregnancy may end in a live birth, a miscarriage, an induced abortion, or a stillbirth. Childbirth typically occurs around 40 weeks from the start of the last menstrual period (LMP), a span known as the gestational age; this is just over nine months. Counting by fertilization age, the length is about 38 weeks. Implantation occurs on average 8-9 days after fertilization. An embryo is the term for the developing offspring during the first seven weeks following implantation (i.e. ten weeks' gestational age), after which the term fetus is used until the birth of a baby. 023b09d15a Rape can cause difficulties during and after pregnancy, with potential negative consequences for both the victim and a resulting child. Medical treatment

following a rape includes testing for, preventing, and managing pregnancy. A woman who becomes pregnant after a rape may face a decision about whether to have an abortion, to raise the child, or to make an adoption plan. In some countries where abortion is illegal after rape and incest, over 90% of pregnancies in girls age 15 and under are due to rape by family members. 023b09d15a In the United States, there are an estimated 2,500 to 4,000 CPCs that qualify as clinics and may also provide pregnancy testing, medical ultrasounds, and other services. Many others operate without medical licensing under varying degrees of regulation. For comparison, there were 807 abortion clinics in the United States as of 2020. Hundreds more CPCs operate outside of the U.S., including in Canada, Latin America, Africa, and Europe. 023b09d15a Pregnancy is divided into three trimesters of approximately... 023b09d15a

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