

1: Blood Hematocrit

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What to Expect Car Breathalyzers: The ignition interlock laws in your state will determine how long you need to have the car breathalyzer installed. For the time you need to use the car breathalyzer, it will require you to provide about a 1. The pre-programmed blood-alcohol level in the car breathalyzer will be checked against your breath sample. If the car breathalyzer detects a level within its programmed range, you can immediately start your vehicle and go about your business. If your blood-alcohol level is over the programmed reading, you will not be able to start your vehicle but you can do another test within approximately 15 minutes. During your driving period, you may be subject to rolling tests as well. The car breathalyzer will notify you as you drive when it is time to sample your breath while using your car. Be careful when doing this because we know some drivers prefer to pull over safely to give the breath sample while others can manage while driving. Use common sense when conducting the rolling retests. You will have an opportunity to safely pull over and park your car after a failed test. Again, please note that your vehicle will NOT shut down during a rolling retest. All breath sample requirements from your car breathalyzer, including any you fail to take when requested, are recorded by the device and that data is shared with the State. It is best you comply with the car breathalyzer breath requests to get through the program quicker. The car breathalyzer itself is meant to be minimally intrusive as a device in your vehicle. The unit is located in the glove box of your vehicle and hardwired to the dashboard comfortably positioned where you can blow a sample of air in to the car breathalyzer when needed. You are responsible for all readings logged to the car breathalyzer. This means if you have another person blow in to the unit instead of yourself but you later blow and fail a test, you might be inviting more legal trouble. It is best to not attempt to defeat the car breathalyzer system because there is no way to do so. You may have heard rumors about car breathalyzers that are simply untrue. Additionally, the accrued data for the month is downloaded and stored as your developing record of using the ignition interlock device. When the time nears for you to be released of the requirement of having the car breathalyzer installed in your vehicle, you can visit the court or your attorney to discuss the procedures you will need to follow to remove the device in accordance with the ignition interlock laws in the state you live.

2: Devil's Breath: Urban Legend or the World's Most Scary Drug?

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July Rarely does a patient come to see me for a problem with bad breath. But recently, a year-old accountant came into my office for an appointment, continually holding a cupped hand over his mouth as he answered questions about his medical history. He was firmly convinced that his breath was offensive. When I commented that his cover-up made him hard to understand, his wife noted that he had been doing it for many years without good reason and much to her annoyance. And from what my own nose told me after examining him, his fears were unwarranted. Although the exact prevalence of the condition is unknown, it is thought to range from 15 to 30 percent based on studies done in several countries, and men have the dubious distinction of outscoring women. If you have received confirmation of your halitosis from a friend or family member, read on. Avoid the offenders When it comes to short-term bad breath, garlic and possibly scallions and raw onions are common offenders. Those fragrant foods can cause breath problems even if you cleanse your mouth meticulously after eating them. Alcohol, coffee, and smoking also cause their own characteristic breath odor. In an overwhelming majority of chronic halitosis cases, the problem originates in the mouth. The human oral cavity is a storehouse for harmless bacteria, which feed on the leftover bits of food that get trapped between the teeth and deposited in crevices along the gum line. As a result, smelly amino acids are released in gaseous form. It is probable that dozens of those gases, including hydrogen sulfide think rotten eggs and an aptly named amino acid called cadaverine, combine to produce malodorous breath. In addition, those bacteria can initiate and perpetuate infections including gingivitis and periodontal disease along the gum line, leading to rank odor. The back part of the tongue can contribute to bad breath by providing a surface where bacteria can feed on remnants of postnasal drip. The tonsils can also cause an unpleasant smell. Chronic halitosis is rarely the result of disorders of the esophagus, intestine, or stomach. But the occasional burp or reflux of stomach acid can produce temporary foul-smelling breath. Find out if low-fat diets work and whether these trendy foods are actually healthy. The sweet smell of success These strategies can help you keep your breath smelling fresh: Brush and floss well. After eating, rinse your mouth with water to help you dislodge any food particles that might remain there. You might consider a mechanical irrigating device to help with rinsing. Rinse and gargle twice each day with plain water or warm water in which half a teaspoon of salt has been dissolved. Use a soft, plastic tongue scraper before going to bed to gently remove deposits of bacterial debris from the back of the tongue. Eat a high-fiber diet to help with mouth cleansing. Note that pineapple might contain a beneficial enzyme. See your dentist to treat any dental or gum infections. Go to your hygienist for regular professional cleanings. How often you go will depend on your overall dental health. This article also appeared in the August issue of Consumer Reports on Health.

3: Interlock Truths vs. Myths - Ignition Interlock

Denney, Ronald C. , The truth about breath tests, by Ronald C. Denney Nelson London Wikipedia Citation Please see Wikipedia's template documentation for further citation fields that may be required.

Myths Interlock Truths vs. Myths Many DUI penalties are harsh, especially for first time offenders. Ignition interlock devices are a way to allow DUI offenders to still drive, but with the reassurance that they will not get behind the wheel drunk. But there still are many questions that surround ignition interlock devices. While this is true in some cases, there is a simple solution to this. Drivers are advised not to consume anything with alcohol for 5 minutes prior to testing. The body will absorb any residual alcohol within a few minutes of ingesting it. Medications containing alcohol can also prevent the vehicle from starting and will cause a violation to be recorded. Doughnuts and pastries made with yeast can also skew results, but as recommended with this device in any case, the subject should wash his or her mouth out with water before blowing into it. This will prevent any and all problems relating to food. There is also a question when it comes to spicy foods causing the ignition interlock device to fail. Stomach acids can create methane gas, but this would only affect a non-alcohol-specific interlock device. Spicy foods will not alter the results of an alcohol-specific ignition interlock device. Temperature and altitude levels can have a nominal effect of ignition interlocks since they are designed to withstand a wide range. However, it should be noted that there is a 5 minute warm-up time needed in extremely cold temperatures. Another myth is that smokers cannot use an ignition interlock device. This is also false. Alcohol-specific ignition interlock devices are not affected by smoke. Even using aftershave, perfume or hairspray which all contain alcohol will not cause an ignition interlock system to fail. Can you fill your car up with gas cause a problem with an ignition interlock device? The answer is no. The subject can get gas on a regular basis and the interlock system will not be affected by the fumes at the station. What about rolling re-tests which require the subject to blow into the device while driving to make sure they are staying sober? Are these tests safe? The answer is yes. In fact, the car will not stop running if the subject fails his rolling re-test. The information will be recorded and sent to the probation officer or judge. These tests are not dangerous. The driver does have the option of pulling over to perform the test instead of doing it while driving. So do ignition interlock devices really work? There are myths that the device often spontaneously aborts, stopping the vehicle from moving. The truth is the only reason this would happen is if the subject blows into the device improperly, or if his BAC registers above the set amount. If it is tampered with, the device will register a violation. Can someone else start the car for the DUI offender by blowing into the device? The answer is yes, but thanks to cameras on the device, and rolling re-tests, it is nearly impossible for this to happen without the system recording a violation. When an ignition interlock device is properly calibrated and set up, it is foolproof.

4: Car Breathalyzers: What to Expect - Ignition Interlock

AlcoPro, Inc. is a distributor of portable breath test devices commonly referred to as PBTs. Law enforcement officers in many states use these devices on the side of the road to help determine if someone is possibly under the influence of alcohol.

Medically reviewed on Sep 7, by L. Anderson, PharmD Next time someone tries to hand you a business card, should you think twice before grabbing it? Are these sensationalized stories part of an urban legend or a factual crime scene? Borrachero has been used for hundreds of years by native South Americans in spiritual rituals. The compound is said to lead to hallucinations, frightening images, and a lack of free will. Amnesia can occur, leaving the victim powerless to recall events or identify perpetrators. According to a Wall Street Journal article, about half of all emergency room admissions in Bogota, Colombia were for burundanga poisoning. Scopolamine is also present in Jimson Weed *Datura stramonium*, a plant found in most of the continental U. The active ingredient is available in a 1 milligram transdermal patch worn behind your ear to help ward off motion sickness or postoperative nausea and vomiting. The medicine slowly absorbs through the skin from a specialized rate-controlling membrane found in the patch. The low dose and slow absorption helps to prevent severe side effects in most people. Scopolamine transdermal patch is not classified by the DEA as a controlled substance. Controlled substance or not, there could be true illegal use of the drug. High doses or spiked drinks could cause issues. The State Department notes on their website that scopolamine can render a victim unconscious for 24 hours or more. Not surprisingly, the majority of these Colombian incidents have occurred in night clubs and bars, reminiscent of the date-rape drug Rohypnol. However, some events in Colombia reportedly have an interesting twist: Pharmacologically, scopolamine is classified as an anticholinergic medication and belladonna alkaloid. Side effects like dry mouth, blurred vision, headache, urinary retention, and dizziness can occur even at the low dose used in the transdermal patch. Overdoses can lead to a dangerous fast heart rate, dilated pupils, toxic psychosis, confusion, vivid hallucinations, seizures or coma, among other events. Use with alcohol is warned against in the official package labeling. Combining it with alcohol, as in a spiked drink, or with other sedative drugs would certainly hasten central nervous system depression. Confusion, disorientation, excitability, and amnesia could ensue with oral consumption. That seems unlikely, from a pharmacologic standpoint. Accounts of scopolamine being used worldwide are available. In Paris, a report from Newsweek Europe surfaced that elderly people were being targeted by a Chinese international network. State Department also warns on its website that travelers to Colombia may be at risk of robbery due to criminals using a variety of drugs, not just scopolamine. Medical case reports have been published of women from London having prolonged headaches after possible clandestine scopolamine exposure. Reports of illegal use of scopolamine in the U. The reliability of these all of these reports are difficult to confirm. Nonetheless, these news stories highlight an important travel point. To prevent assault due to scopolamine, or any drug, follow these rules, as recommended by the U. Never leave food or drinks unattended when traveling. Do not accept food or drinks from strangers or new acquaintances. Seek medical assistance immediately if you believe you have been drugged. Urban legend or not, the use of drugs to incapacitate, rob or rape victims can and does happen domestically and internationally. Because of that, a dose of good sense should always be used to avoid being poisoned, whether traveling abroad or just going out for the night in your own hometown.

5: Six Facts About Testing for Ethyl Glucuronide (EtG) - Cordant Solutions

Breath test machines are designed to calculate a person's blood alcohol level by evaluating how much alcohol is contained in his or her breath sample. The problem lies in the fact that many breath test devices measure more than just the amount of ethyl alcohol in the driver's breath sample.

Like any other toxin, ethanol is excreted from the body in a variety of ways. While most of these excretory products are detectable in urine for very short periods of time less than 24 hours, ethyl glucuronide EtG and ethyl sulfate EtS have longer half-lives and may be detectable in urine for up to 96 hours, depending on the dose taken prior to specimen collection. Incidental exposure to ethanol from non-beverage sources may result in a positive drug test for EtG. Many common products purchased at grocery stores or pharmacies contain ethanol, which can cause a positive result in a drug test for EtG. These products include over-the-counter, alcohol-based cold and flu medications e. Additionally, certain popular drinks sold in stores e. In-vitro creation of EtG can occur in certain rare situations. A diabetic with a specific urinary tract infection represents perhaps the most common example of in-vitro formation of ethyl glucuronide in the body. This process occurs in diabetics only. Degradation of EtG may occur over time if a urine sample is not stored properly. EtG is subject to bacterial degradation if the urine specimen is stored at room temperature for too long after collection. When degradation occurs, the amount of EtG in the urine decreases over time. In these cases, a sample that may have initially been positive may have significantly lower EtG levels if it is reanalyzed at a later date. Published scientific literature has shown EtS to be more stable than EtG at room temperature. Due to the inherent instability of EtG in urine specimens at room temperature, Cordant Health Solutions recommends that specimens intended for EtG testing be refrigerated if they cannot be shipped to the proper laboratory within three days. In addition, EtS is measured and reported on any specimen that is positive for EtG. Levels of EtG in urine cannot be used to determine how much alcohol a person has ingested, or whether a person is under the influence of alcohol. While higher amounts of EtG might indicate greater alcohol consumption, the exact EtG number is influenced by several factors, including how recently alcohol was consumed. The presence of EtG in urine indicates only that the individual was exposed to ethanol at some point in the recent past prior to testing, typically within the preceding 80-96 hours. No scientific correlation has been established between urine EtG levels and either blood or breath alcohol levels. Additionally, no states or jurisdictions have officially defined the legal limits for urinary EtG levels. EtG results have been accepted as valid evidence in courts of law. EtG testing has been presented as evidence in court proceedings and hearings. EtG testing has been subjected to, and passed, scientific admissibility standards a process known as a Frye hearing in several court cases.

6: Malaysians Must Know the TRUTH: Air India pilot grounded after failing breath tests

Positive breath tests are followed up by a second breath test a while later to discount the possibility of alcohol based breath fresheners causing a false reading. A second positive reading is verified with a blood test.

7: The Truth About Bad Breath

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8: The truth about breath tests, by Ronald C. Denney | National Library of Australia

Knowingly or unknowingly, police officers often influence the results of breathalyzer tests, resulting in inaccurately high readings. To understand how, we have to review some facts about how breathalyzers work.

9: Canada Contemplates Random Breath Tests - The Truth About Cars

A polygraph can indicate that you're lying even if you are telling the truth, especially if the test is stressing you out. Stress and lying are associated with many of the same biological responses. For this reason, polygraph results are no longer admissible as evidence in legal trials.

Italy (Fiesta! (Danbury, Conn.)) Latin America in Asia-Pacific perspective Evelyn Hu-DeHart One Hundred Home-brewed Wines The astronomer and other stories Jack and the beanstalk (Gold dust fairy tales) Stuart hall and paddy whannel the popular arts Three million more? Tertius and Pliny And five plays: The poet. The house tragedy. The unwelcome visitor. Remorse. Adversity. Notes on the Turkana tribe Scotland and Poland Literacy Learning in Networked Classrooms A Laymans Guide to Better Retirement Swans of the world Whose side are you on, ref? Public Servants and Patronage Valley of the naked A note on scrap in the 1992 U.S. input-output tables The calamity of yesterday Gotcha Twice! the Art of the Billboard 2 Opera and its symbols A Bed for the Night Relational Assessment; Social Aspects Forms I advocate for management and resolution of disputes Research paper on food additives North to Powder River Hiccups for hippo (Sunshine fiction) Htc one v user guide Canadas Fifty Years in Space 28. Vision and hearing Global political economy evolution and dynamics fifth edition Optimism at Armageddon Verbal aspect in Greek : two approaches Daryl D. Schmidt Robust (exempting alternatives in Frankfurt cases Moon On East Mountain (Silhouette Desire #160) Assay for phospholipase d in cell-free systems Shanker S. Iyer and David Kusner Look homeward, angel Joshua T. Wiley Review of current investigations and regulatory actions regarding the mutual fund industry Deserts of the earth The story of us division video log