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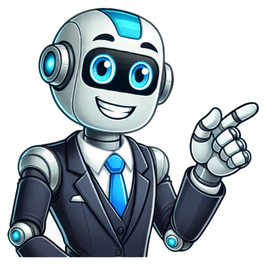

Hearing test on line

Check your hearing in just 3 minutes with our free online hearing test. 600,331 people have taken the test so far. The online hearing test is for you if you’re aged 18 or over and have not been diagnosed with hearing loss. The test measures how well you can hear speech when there’s background noise. You’ll find out if you need to see someone about your hearing, and get our advice on what to do next. You’ll hear constant white noise during the test. If you’ll find this uncomfortable, don’t take the test. You’ll get a more accurate result if you use headphones or earphones rather than built-in speakers. Take the hearing test somewhere you won’t be disturbed. We’re RNID, an independent charity supporting the 18 million people in the UK who are deaf or have hearing loss or tinnitus. To get a more accurate result, use headphones or earphones rather than built-in speakers. And make sure to take the test somewhere quiet. White noise is played during the hearing test. If you’ll find this uncomfortable – for example, due to tinnitus – don’t take the test. After trialing every online hearing test we could find, our team felt some things were still missing. Specifically, we wanted a simple interface that returned an audiogram-style chart similar to what you get at an audiologist's office.Development And DesignSoundly's hearing test was built with a team of audiologists, designers, web developers, and a PhD in sound engineering. The test has been featured in the LA Times, Seattle Times, Hearing Review, and CNET. Forbes Health Advisory ranked Soundly's test as a "top recommendation to patients looking for online hearing test options."The video below shows Soundly's test in action.What to ExpectOur online hearing test aims to provide comprehensive, detailed results similar to what a healthcare provider would observe. Unlike other online tests that offer limited insights and refer you to a provider, our test results are designed to resemble an audiogram.It's important to note that while this tool isn't a replacement for a thorough in-office hearing test, it is a valuable starting point in understanding your hearing health. The results derived from our test not only provide crucial information about your hearing condition but also guide your treatment options.✓ Questionnaire The test begins with a short questionnaire with "red flag" symptoms. Using your answers, the test will indicate whether we suggest you see an audiologist immediately.✓ Headphones and NoiseWe recommend that you take the test with a pair of decent headphones. Any quality headphones, including Samsung, Bose, AirPods, JBL, Sony, Beats, and Anker, will suffice. We recommend finding a relatively quiet place in your home before beginning the test. Background noise could impact your results.✓ CalibrationThe test will prompt you to take your headphones off and rub your hands together closely in front of your nose, quickly and firmly. Now, put your headphones back on and adjust your volume to match the volume of your hands rubbing together. Firmly rubbing your hands generates a predictable volume that we'll use to ensure you start the screening at the right volume.✓ Test and ResultsThe Soundly test measures how well you hear at varying frequencies. Drag each slider to the point where you can faintly hear the sound. At the end of the test, you will receive an audiogram-style chart and insights on your hearing loss.How to Use Your ResultsWhat can you do after taking the test? Your test results give you an idea of your hearing loss, which may influence the treatment options you decide to pursue. Over-the-counter (OTC) devices might be sufficient to provide some benefit in certain situations for mild to moderate hearing loss.However, if the test results indicate a more severe level of hearing loss, it would be advisable to seek prescription hearing treatment. This option is typically more comprehensive and personalized, accommodating the specific complexities of your hearing condition.Prescription-level care is an option for any degree of hearing loss, but especially important for anyone with severe-profound hearing loss. Remember, these results serve as a guide for getting started, but at any time you could consult with a professional for a complete evaluation.Soundly hearing tests provide you with the information you need to make an informed decision about your hearing health in a free and accessible way. Get your results with one easy test. There are different types of hearing tests for children. The tests your child has depend on their age and development.Tests they may have include:visual reinforcement audiometry – your child listens to sounds and is taught to link the sound to a visual reward, such as a toy or computer screen lighting up, by turning their head towards itplay audiometry – your child listens to sounds and is asked to do a simple task, such as putting a ball in a bucket or completing a puzzle, when they hear the soundpure tone audiometry – your child listens to different sounds through headphones and presses a button each time they hear somethingtympanometry – a small device is placed in your child's ear to check how well the eardrum is moving and if there is any blockage behind it that may be interfering with their hearingbone conduction test – a small vibrating device is placed behind the ear which passes sound to the inner ear through the bones in the head to check which part of the ear is not working properly if your child is having hearing problems Hearing Aids Support & Care ABOUT RESOUND Hearing Loss This website offers you one of the easiest, fastest, and best hearing test on the Internet. More than anything else, this one is also the most private that exists. We won't ask you to submit your email address or create an account before accessing your results. Your personal hearing data will not be used or shared with anyone else. Although these test files have been carefully designed, this website is not a substitute for a proper hearing test. You are encouraged to consult an audiologist as soon as you seriously feel concerned about a possible hearing loss. Beware, some of the audio tests tones can be damaging (excessively loud) if used improperly. You will be safe though by following the sound level calibration procedure and always starting by playing the quieter files first. The next three sections take you through the actual hearing test. The rest of the page will give you information about hearing loss, audiograms, and how to get the most reliable results out of this page's hearing test. 1. Calibrate your sound levels Using headphones, listen to the calibration audio file. Then, without your headphones on, rub your hands together closely in front of your nose, quickly and firmly, and try producing the same sound. If you have trouble hearing the sound of your hands rubbing, the test is completed before it has even begun: you likely suffer from a severe hearing loss. If you are wearing hearing aids, you can put them on now, and use this test to check if they are working correctly. Adjust your computer's volume so that both levels match: the calibration file through your headphones, and your hands rubbing, without headphones. Once matched, do not change your levels anymore during the rest of the hearing test. 2. Listen to the individual test files In a silent environment, starting from the top row, move down until you hear a tone. Do this for each column. Always start with files on top of the table. The bottom files are for severe hearing losses, and will play very loudly for a normal hearing person! Stop with the file whose tone becomes just audible - not the file above or below - before switching to the next column. Test Both Ears Left Ear Only Right Ear Only 3. Review your personal audiogram Your personal hearing thresholds should now appear on the audiogram below. Ideally, the markers should be located on the top of the graph, around the zero range. Overlay Clear Markers Print - Save - Bookmark This graph is similar to what your audiologist's system would produce during a hearing test, and plots the softest sounds you can hear across the different frequencies tested. Ideally, the six markers should be located on the top of the graph, around the zero range. The next section explains the audiogram in detail. Click the 'Overlay' button to add information on top of your audiogram. The first overlay outlines the area related to conversational speech. It is in the shape of a banana and is often referred to as the “speech banana.” Vowels are located on the left side of the banana (the green area), and consonants are to the right (the blue area). Remember, all the sounds located above your individual hearing thresholds will be inaudible to you. If your personal markers are located inside (or worse, below) the speech banana, it means that your hearing will be missing part of the conversation, requiring your brain to compensate for this deficiency, by guessing words, for example. The second overlay depicts some familiar sounds of our everyday life, such as rustling leaves, birds chirping, water dripping and other common sounds. If you have mastered this hearing test and want to achieve a higher precision, try the alternate test which adds in-between frequencies and hearing levels. To keep the sound table small, the alternate test has been split in two frequency ranges. Make your choice below, proceed to section 2, then check your audiogram again. Alt Low [250-1500Hz] Alt High [1500-8000Hz] Back to Original Test What is an audiogram? The frequencies (or pitches) that have been used during your hearing test are shown on the horizontal axis (the vertical lines). These frequencies are low on the left side of the audiogram (250Hz), then gradually climb to higher frequencies on the right side (8000 Hz or 8kHz). Humans hear frequencies from 20 Hz up to 20,000 Hz, but an audiogram only shows a subset of our hearing range: it focuses on the frequencies that are the most important for a clear understanding of speech (the spoken words). The volume (loudness) required to reach a person's hearing threshold is shown on the vertical axis (the horizontal lines). These are expressed in deciBels Hearing Level (dBHL). dBHL are not absolute loudness levels but represent a difference between your hearing and the average "normal" hearing. When scoring 0 dBHL, your hearing exactly matches the norm; higher values are signs of hearing loss. There are tolerances though: normal hearing is defined by thresholds lower than 15 dBHL at all frequencies, not strictly at 0 dBHL. The loudness scale goes from very soft sounds on top (-5 dBHL) to loud sounds at the bottom (80 dBHL). As you perform this hearing test, markers will be set on the audiogram, and will correspond to your personal hearing thresholds. Once the test is completed, you can read the audiogram as follows: Every sound located above the markers will be inaudible to you. The Overlay button gives you an idea of what these sounds could be. Keywords Hearing, hearing loss, hearing test, audiometry, audiometric test, audiogram, audiometer, audiologist, hearing levels, hearing thresholds, pure tone audiometry, warble tones. Welcome! My name is Stéphane Pigeon, I am an audio engineer and professional sound designer. I have been looking for a convenient and reliable way to assess my hearing, online. As I couldn't find any online test that was able to evaluate one's hearing thresholds, I designed my own test, and put it online. Measuring hearing thresholds requires calibrated equipment. Therefore, most audiologists will tell you that such a test can not be put online, and just run on any computer. Well, yes, it can. Here I show how it is done. I do claim the intellectual property related to the hand rubbing calibration trick. The original test appeared on AudioCheck in July 2012. HearingTest.online offers an improved version of my original test, with upgraded test tones and a better user interface. Enjoy! Stéphane How to efficiently use this hearing test! This online hearing test offers a convenient way to check your hearing over time, allowing you to detect a possible hearing loss or a degradation of your hearing as soon as possible, without the need to consult an audiologist for this routine check. Although this website has not been designed as a substitute for a proper hearing test, it will give you valuable information regarding your hearing when you need to: confirm your good hearing, and take a snapshot of your audiogram for future reference confirm if your hearing has returned back to normal after your ears were stressed, such as during an extremely loud concert precisely track how your hearing evolves over time confirm your suspicions about a possible hearing loss keep track of your hearing after your visit to your audiologist or primary care physician assess the performance of your hearing aid(s) diagnose hearing aid deficiencies Technically, we are facing two situations: either the hearing test you perform is (somehow) calibrated, or it isn't (at all). In both cases, useful information can be obtained from this site, although of a different nature. The calibrated condition assumes that you are using good headphones or speakers - their response must be flat across the tested frequency range (250-8000 Hz) - and you succeeded in calibrating your sound levels properly. In such a case, the precision of this hearing test is estimated at around 10 dBHL, which is good enough to diagnose a mild, moderate or severe hearing loss: simply, look at your threshold plots on the audiogram and give them a 10 dBHL tolerance. The uncalibrated condition can be understood through the worst-case scenario: your headphones or speakers are poor performers, and you did not bother calibrating your levels as suggested in our first step. In such a situation, you won't be able to infer any information about your actual hearing loss, but you will still be able to use this website in a very reliable way through differential testing. Differential Testing All it takes it is to run the hearing test once to acquire a reference: note your computer level settings precisely, and remember how your audiogram looks (or better, bookmark → this page). By using these exact settings the next time you come back, any change in your audiogram will result from a change in your hearing. Even if the test was uncalibrated in the beginning, using the same computer settings and audio equipment from one test to the other, ensures that the changes you observe will be relevant to your hearing. Differential testing can be useful in many situations: keep track of your hearing, and feel reassured if it remains stable over time confirm your hearing hasn't changed since your last visit to your audiologist confirm your hearing aids keep working properly over time Differential testing also encourages you to call your audiologist for an appointment, when your audiogram shows significant changes. Differential testing requires that you run the hearing test at least once in order to acquire a reference. Do it now, and print (or bookmark) your results for future reference. This printable page has been designed for such a purpose. A word for the Audiologist visiting this page I've been through a hearing incident myself and spent some time in hyperbaric oxygen therapy. One of the constant stresses I remember, was not entering the compression chamber, but the absence of any means that I could use to define what I perceived as an hearing loss, possibly exaggerated by my anxiety. This website will help people diagnosing changes in their hearing and encourage them to consult an audiologist sooner, when needed. An online hearing test runs in a completely uncontrolled environment, and will never replace the calibrated test performed at your office. Yet, this simple test can be very informative, especially in differential testing conditions. My goal is to build one of the better - if not the best - online hearing tests available on the Internet. Currently, the test files are based on the ISO 389-7:2005 international standard and use third octave band warble tones in order to minimize room and headphone resonance. Among the different standards in use, ISO 389-7:2005 is the one recommended by the British Society of Audiology, and does not rely on a particular type of headphones. Please do not hesitate to contribute to this website, and share your comments, thoughts and corrections with me. If you are convinced of the usefulness of such a website and have access to a calibrated audiometer, please consider performing your hearing test, and compare your results with those provided here. By sharing your offsets with me, I will be able to improve the calibration part of this test. The more data I get, the more statistically relevant it will become. Thank you for your precious contribution! Featuring this test on your website Be respectful, don't steal my code and files – they are protected by copyright – but provide a link to HearingTest.online if you want to feature the test on your website. For further inquiries, contact stephane 'at' hearingtest 'dot' online. The Hear.com online hearing test is a tool that is designed to help individuals determine the quality of their hearing. It is a quick and convenient way to assess your hearing ability from the comfort of your own home, without the need to visit a healthcare professional. To complete the test, you will need a pair of headphones and a device with an internet connection. The test typically takes less than five minutes to complete. At the end of the hearing test, you will receive a score out of ten. What to Expect Our hearing test page offers two distinct tests tailored to different user needs. The first test is designed for individuals who have access to headphones and involves playing a series of sounds. This allows us to evaluate their hearing ability based on their responses to various auditory stimuli. The second test caters to those who may not have headphones or prefer a different approach; it involves answering questions about day-to-day scenarios. Users rate the degree of difficulty they experience in these common hearing situations, providing a subjective measure of their hearing quality. Upon completing either test, users receive a score out of ten that indicates the quality of their hearing. This score is accompanied by a personalized recommendation based on their performance, guiding them on potential next steps for their hearing health. Additionally, users are sent an email with their test results, ensuring they have a record of their hearing assessment and the recommendations provided. This dual-test approach ensures that we can offer a comprehensive and accessible hearing evaluation for all users. Next Steps It is important to remember that an online hearing test is not a substitute for a full hearing evaluation by a qualified audiologist. If you have any concerns about your hearing or are experiencing hearing problems, it is best to consult with a hearing healthcare professional. They can provide a more complete evaluation of your hearing and suggest appropriate treatment options if necessary. Signs of Hearing Loss Difficulty hearing or understanding other people when they are speaking, especially in noisy environments. Asking people to repeat themselves frequently. Turning up the volume on the television or radio louder than others find comfortable. Difficulty hearing certain sounds, such as high-pitched noises or consonants. Ringing or buzzing in the ears (tinnitus). Avoiding social situations because of difficulty hearing. Over 48 million Americans have hearing loss Many people don't realize they have hearing loss or what they're missing out on. With this 5-minute test, it's easy to check. Just listen to what other people have to say... Get started. Click on your state below:Don’t see your state? Click here Why hear.com We at hear.com offer a Customized Hearing Success Program, the industry's first proven approach to hearing success. With over 92% customer satisfaction rate we're confident you'll be happy with our 45-day no-risk trial. Our 100% money-back guarantee means there's really no reason not to give our hearing aids a try. Our Best Recommendations Two of the best hearing aids on the market today include the Horizon Go IX and the Horizon Mini IX, both which are part of the exclusive Horizon line of hearing aids by hear.com. No matter if you have mild or severe hearing loss, one of these state-of-the-art devices is sure to work for you. Horizon Mini IXLearn more Resources Learn everything you need to know about hearing aids and hearing loss. Wondering if you might have hearing loss? The free hearing test below is a simple 3 step way to check your hearing easily from home with audiogram results. Do keep in mind that this test can not differentiate hearing loss due to nerve damage vs reversible hearing loss due to a hole in the eardrum, earwax, or middle ear fluid which do require both an exam and formal hearing test. Technically speaking, this online hearing test performs only an air conduction test. A formal hearing test would also include a bone conduction test. The easiest way to determine whether you have a reversible conductive hearing loss from home is to perform the Rinne Tuning Fork Test. This online hearing test was originally developed by Dr. Stephane Pigeon (the original online hearing test can be found here) who has graciously provided a license for us to offer this hearing test. Learn the background story here. If you are a healthcare professional interested in online audiometry, check out our online audiometer to perform testing in your office or elsewhere! Watch a video of how to accurately take this hearing test or read the instructions below! ** PLEASE NOTE! If you have any problems getting this webpage to work, please try using the Chrome browser instead and make sure javascript is enabled! Quiet Room Check (Optional): Is Your Room Quiet Enough? In order for a hearing test to provide reliable results, the testing environment must be quiet! The louder the environment, the greater the tendency for test results to show hearing loss where none should be present. This sound check ensures you are in a quiet enough room to accurately perform the online hearing test. In a home, the most quiet room typically would be inside a closet full of clothes. During this test, try not to make any noises for the duration of the test (about 5 seconds). Go ahead and press the blue button below for a rough measure (given differences in microphone sensitivity among different devices) of how quiet your environment is! TestRoom Testing Environment: (AVG dB) If the testing environment showed either an excellent or good score, proceed to step 1. Otherwise, try to find a quieter room and repeat this step. One can still proceed with the hearing test even if the results show a poor score, but understand that the hearing test results may not be accurate. Want to know more about how these results were obtained and how you can calibrate the online sound meter specific to your device's microphone sensitivity? Check out our online sound meter page. STEP 1: Calibrate Your Sound System Click Here! CalibrationFile This calibration step is essential in order to obtain accurate hearing test results given testing is being done using non-standardized equipment (there are slight differences between headphones, computers, and sound environments). Using headphones (ideally a noise-cancelling headphone), listen to the calibration audio file. Then, without your headphones on, rub your hands together closely in front of your nose, quickly and firmly. Keep adjusting the volume on your computer/device so that the sound volume from the calibration file through your headphones and your hands rubbing without headphones are equally loud. For most but not all devices, this volume level is typically found at about 75% of the maximum volume. Once matched, do NOT adjust the volume once testing begins in step 2. If equipment changes, calibration must be repeated. If you are unable to hear the sound of your hands rubbing, there is no need to proceed with the hearing test as you are suffering from a severe hearing loss! For greater calibration precision, one can use a sound meter (a decent one costs around $20) to ensure sound output from the headphones is 55±3 dB. You can watch a video of how to perform a headphone calibration using a sound meter. STEP 2: Hearing Test When you start the test, even if you do not hear anything, a warble tone IS present if the tone-playing icon appears. The tone stops playing when the sound icon disappears. Not Selected Selected Tone Playing Tone Done Playing Look at the audio grid below. First, specify which ear (or both ears) you would like to test. Clicking on the BLUE button tests the left ear whereas the RED button tests only the right ear. In the same quiet room, begin the test by playing the first audio file in the top row. Keep moving down the same column one by one until you hear a warble tone at which point you stop and move on to the next column. Do this for all columns. To reiterate, stop with the audio file whose tone becomes just audible before switching to the next column. Once you complete one ear, repeat the entire test for the opposite ear. Be sure to always start with the audio files at the top of the table! The bottom files play sounds very loudly and may cause significant ear discomfort for a normal hearing person. Test Both Ears Test Left Ear Test Right Ear Loading may take a handful of seconds. If you tested one side, now test the opposite side by checking the appropriate BLUE "Test Left Ear" or RED "Test Right Ear" button immediately above the grid. Step 3: Audiogram Results Your hearing test results should appear on the audiogram below. If you have excellent hearing, all the symbols should be on the top of the graph in the zero range, though anything between 0 to 20 is considered normal hearing. The lower the results appear on the chart, the worse the hearing. Frequencies are plotted horizontally with low frequencies (250 Hz) on the left side and high frequencies (8K Hz) on the right. The blue "X" is your left ear hearing and the red "O" is your right ear hearing. Overlay Clear Markers Print Report The 'Overlay' button adds further sound info within the audiogram. The first overlay outlines an image known as the "speech banana" and describes the area within which different alphabetical sounds exist during regular talking. Vowels are located on the left green side while consonants are present within the right blue area. If your results are within or below the speech banana, conversational sounds will be either muffled or even completely inaudible causing an individual to either misunderstand part of or unable to understand any speech conversations. The second overlay shows where everyday familiar sounds are present. The "Clear Markers" button erases the test results and the test can be retaken anew. Hearing loss between 20-60 dbHL (mild to moderate hearing loss) over 3 or more different frequencies benefit the most from hearing aids, with a few models now available over-the-counter to purchase even on Amazon. If severe hearing loss is present, it is best to see a professional audiologist or ENT in order to obtain hearing aids that satisfactorily work. Still confused? Here's more information on how to read an audiogram. Alternatively, if you prefer to have one of our professionals provide a report interpreting your hearing test ($5 per test), click here. Average hearing results by age and gender can be found here in case you want to compare your results to your peers. Wondering what percent hearing loss you have overall? Use the hearing loss calculator to determine your overall hearing loss score based on standardized equations. We also offer 2 other types of hearing tests... one is a hearing test based on speech with and without background noise (SRT and WIN). The other is a basic hearing test, but utilizing pulsed tone sliders which sometimes give different results. Also, with your current hearing test results, age, and gender, there is now a way to even predict what your hearing loss may be like at some point in the future. Top rated over-the-counter hearing aids on Amazon: More ear related care products can be found in our online store! Such products include treatment for tinnitus, swimmer's ear, itchy ears, etc. Step 4: When Should I See a Doctor? Great question! Unfortunately, the answer is it depends. For more information regarding the answer on when you should make an appointment to see a doctor... Other Services DISCLAIMER: An online hearing test runs in a completely uncontrolled environment (even with calibration) and will never replace the calibrated test performed in a sound proof booth with a professional audiologist. LEGAL STUFF: The tones and code for the online hearing test have been licensed from Dr. Stephane Pigeon for use by Dr. Christopher Chang. Please do not copy any parts of this webpage. The code and tones have been watermarked to prevent unauthorized use in other websites. TECHNICAL STUFF: The audio files are based on the ISO 389-7:2005 international standard and use third octave band warble tones in order to minimize room and headphone resonance. ISO 389-7:2005 is the standard recommended by the British Society of Audiology as it does not rely on a particular type of headphone. Need help? Contact Support Any information provided on this website should not be considered medical advice or a substitute for a consultation with a physician. If you have a medical problem, contact your local physician for diagnosis and treatment. Advertisements present are clearly labelled and in no way support the website or influence the contents. Please note that as an Amazon Associate, we may earn small commissions from qualifying purchases from Amazon.com.