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[MeSH Terms] OR "diagnostic orders"[MeSH Terms] OR "diagnostic imaging"[MeSH Terms] OR "diagnostic services"[MeSH Terms] OR "diagnosis, differential"[MeSH Terms] OR "diagnosis"[MeSH Subheading]) Treatment [MeSH Treatment] ("COVID-19" OR "COVID19" OR "COVID-19"[MeSH Terms] OR "COVID-19 Vaccines" OR "COVID-19 Vaccines"[MeSH Terms] OR "COVID-19 serology"[MeSH Terms] OR "COVID-19 serology"[MeSH Terms] OR "COVID-19 serological testing"[MeSH Terms] OR "COVID-19 Testing" OR "covid-19 testing"[MeSH Terms] OR "SARS-CoV-2" OR "SARS-CoV-2"[MeSH Terms] OR "SARS-CoV-2" OR "SARS-CoV-2"[MeSH Terms] OR "Severe Acute Respiratory Syndrome Coronavirus 2" OR "2019 nCoV" OR ("coronavirus"[MeSH Terms] OR "coronavirus" OR "COV" OR "NCOV") AND 2019/11/01[PDAT] : 3000/12/31[PDAT]) AND ("therapeutics"[MeSH Terms] OR "therapeutics"[All Fields] OR "treatments"[All Fields] OR "therapy"[MeSH Subheading] OR "therapy"[All Fields] OR "treatment"[All Fields] OR "treatment s"[All Fields] OR "treat"[All Fields] OR "clinical trial"[Publication Type] OR "clinical trials as topic"[MeSH Terms] OR "clinical trials"[All Fields] OR "clinical trial"[Publication Type] OR "clinical trials as topic"[MeSH Terms] OR "clinical trial"[All Fields] OR ("randomized controlled trial"[Publication Type] OR "randomized controlled trials as topic"[MeSH Terms] OR "randomized controlled trial"[All Fields] OR "randomized controlled trial"[All Fields] OR "randomized controlled trial"[All Fields] OR "randomized controlled trial"[All Fields] OR "randomized controlled trial"[All Fields] OR "randomized controlled trials as topic"[MeSH Terms] OR "randomized controlled trials"[All Fields] OR "randomised controlled trials"[All Fields] OR "therapeutics"[MeSH Terms] OR "therapeutics"[All Fields] OR "therapies"[All Fields] OR "therapy"[MeSH Subheading] OR "therapy"[All Fields] OR "therapy s"[All Fields] OR "therapys"[All Fields] OR "therapeutical"[All Fields] OR "therapeutically"[All Fields] OR "therapeutics"[All Fields] OR "therapeutics"[MeSH Terms] OR "therapeutics"[All Fields] OR "therapeutic"[All Fields]) Prevention [MeSH Treatment] ("COVID-19" OR "COVID19" OR "COVID-19"[MeSH Terms] OR "COVID-19 Vaccines" OR "COVID-19 Vaccines"[MeSH Terms] OR "COVID-19 serotherapy" OR "COVID-19 serotherapy"[MeSH Terms] OR "COVID-19 Nucleic Acid Testing" OR "covid-19 nucleic acid testing"[MeSH Terms] OR "COVID-19 Serological Testing" OR "covid-19 serological testing"[MeSH Terms] OR "COVID-19 Testing" OR "covid-19 testing"[MeSH Terms] OR "SARS-CoV-2" OR "SARS-CoV-2"[MeSH Terms] OR "SARS-CoV-2" OR "SARS-CoV-2"[MeSH Terms] OR "Severe Acute Respiratory Syndrome Coronavirus 2" OR "2019 nCoV" OR ("coronavirus"[MeSH Terms] OR "coronavirus" OR "COV" OR "NCOV") AND 2019/11/01[PDA] : 3000/12/31[PDAT]) AND ("transmission"[All Fields] OR "prevent"[All Fields] OR "intervent"[All Fields] OR "prognosis"[MeSH Terms] OR "prognosis"[All Fields] OR "prognoses"[All Fields] OR "treatment outcome"[All Fields] OR "prevention and control"[MeSH Subheading] OR "therapeutic"[All Fields] OR "therapeutically"[All Fields] OR "therapeutics"[MeSH Terms] OR "therapeutics"[All Fields] OR "therapeutic"[All Fields] OR "therapeutically"[All Fields]) Case Report [MeSH Treatment] ("COVID-19" OR "COVID19" OR "COVID-19"[MeSH Terms] OR "COVID-19 Vaccines" OR "COVID-19 Vaccines"[MeSH Terms] OR "COVID-19 serotherapy" OR "COVID-19 serotherapy"[MeSH Terms] OR "COVID-19 Nucleic Acid Testing" OR "covid-19 nucleic acid testing"[MeSH Terms] OR "COVID-19 Serological Testing" OR "covid-19 serological testing"[MeSH Terms] OR "COVID-19 Testing" OR "covid-19 testing"[MeSH Terms] OR "SARS-CoV-2" OR "SARS-CoV-2" OR "SARS-CoV-2" OR "SARS-CoV-2"[MeSH Terms] OR "Severe Acute Respiratory Syndrome Coronavirus 2" OR "2019 nCoV" OR ("coronavirus"[MeSH Terms] OR "coronavirus" OR "COV" OR "NCOV") AND 2019/11/01[PDA] : 3000/12/31[PDA]) AND ("case report"[All Fields] OR "case reports"[Publication Type] OR "case reports"[All Fields] OR "report a case"[All Fields] OR "report"[All Fields] AND ("ambulatory care facilities"[MeSH Terms] OR "ambulatory"[All Fields] AND "care"[All Fields] AND "facilities"[All Fields]) OR "ambulatory care facilities"[All Fields] OR "clinic"[All Fields] OR "clinic s"[All Fields] OR "clinical"[All Fields] OR "clinically"[All Fields] OR "clinicals"[All Fields] OR "clinics"[All Fields] OR "patient"[All Fields]) OR "reported case"[All Fields] OR "clinical presentation"[All Fields] OR "patient management"[All Fields] OR "infected patient"[All Fields]) Forecasting [MeSH Treatment] ("COVID-19" OR "COVID19" OR "COVID-19"[MeSH Terms] OR "COVID-19 Vaccines" OR "COVID-19 Vaccines"[MeSH Terms] OR "COVID-19 serotherapy" OR "COVID-19 serotherapy"[MeSH Terms] OR "COVID-19 Nucleic Acid Testing" OR "covid-19 nucleic acid testing"[MeSH Terms] OR "COVID-19 Serological Testing" OR "covid-19 serological testing"[MeSH Terms] OR "COVID-19 Testing" OR "covid-19 testing"[MeSH Terms] OR "SARS-CoV-2" OR "SARS-CoV-2" OR "SARS-CoV-2" OR "SARS-CoV-2"[MeSH Terms] OR "Severe Acute Respiratory Syndrome Coronavirus 2" OR "2019 nCoV" OR ("coronavirus"[MeSH Terms] OR "coronavirus" OR "COV" OR "NCOV") AND 2019/11/01[PDA] : 3000/12/31[PDA]) AND "forecast"[All Fields] OR "forecasted"[All Fields] OR "forecaster"[All Fields] OR "forecasters"[All Fields] OR "forecasting"[MeSH Terms] OR "forecasting"[All Fields] OR "forecast"[All Fields] OR "forecasts"[All Fields] OR "trends"[MeSH Subheading] OR "trends"[All Fields] OR "trend"[All Fields] OR "prediction"[All Fields] OR "Long COVID LitCLongCOVID "COVID-19 sequela" OR ("COVID-19" OR "COVID19" OR "SARS-CoV-2" OR "SARS-CoV-2" OR "SARS-CoV-2" OR "SARS-CoV-2"[MeSH Terms] OR "2019 Novel Coronavirus" OR "2019 nCoV" OR "Coronavirus Disease 2019" OR "Coronavirus Disease-19" OR "SARS Coronavirus 2" OR "Severe Acute Respiratory Syndrome Coronavirus 2") OR "post acute sequelae of Sars-CoV-2" OR ("PASC" AND "COVID-19" OR "COVID19" OR "Sars-CoV-2" OR "SARS-CoV-2" OR "SARS-CoV-2" OR "2019 Novel Coronavirus" OR "2019-nCoV" OR "Coronavirus Disease 2019" OR "Coronavirus Disease-19" OR "SARS Coronavirus 2" OR "Severe Acute Respiratory Syndrome Coronavirus 2") OR "post acute sequelae of COVID" OR ("post-intensive care syndrome" OR "postintensive care syndrome") AND ("COVID-19" OR "COVID19" OR "Sars-CoV-2" OR "SARS-CoV-2" OR "SARS-CoV-2" OR "2019 Novel Coronavirus" OR "2019-nCoV" OR "Coronavirus Disease 2019" OR "Coronavirus Disease-19" OR "SARS Coronavirus 2" OR "Severe Acute Respiratory Syndrome Coronavirus 2") OR "post COVID condition" OR ("PCC" AND "COVID-19" OR "COVID19" OR "Sars-CoV-2" OR "SARS-CoV-2" OR "SARS-CoV-2" OR "2019 Novel Coronavirus" OR "2019-nCoV" OR "Coronavirus Disease 2019" OR "Coronavirus Disease-19" OR "SARS Coronavirus 2" OR "Severe Acute Respiratory Syndrome Coronavirus 2") OR "convalescent COVID-19" OR "long haul COVID" OR "COVID long haul" OR "long COVID" OR "long term COVID" OR "COVID-19 survivor" OR "post COVID-19 symptom" OR "chronic COVID syndrome" OR "post COVID syndrome" OR "post COVID neurological syndrome" OR "post acute COVID-19" OR "post-acute COVID-19 syndrome"[MeSH Terms] OR "COVID-19 post-intensive care syndrome"[Supplementary Concept] The Clinical Queries search strategies have been updated based on new evidence from Haynes et al. The current strategies have better performance than their predecessors. Details of methods appear in the references below. Revised December 2011 Wilczynski NL, McKibbin KA, Haynes RB. Sensitive Clinical Queries retrieved relevant systematic reviews as well as primary studies: an analytic survey. J Clin Epidemiol. 2011 Dec;64(12):1341-9. doi: 10.1016/j.jclinepi.2011.04.007. Epub 2011 Jul 19. PMID: 21775104. Lokker C, Haynes RB, Wilczynski NL, McKibbin KA, Walter SD. Retrieval of diagnostic and treatment studies for clinical use through PubMed and PubMed's Clinical Queries filters. J Am Med Inform Assoc. 2011 Sep-Oct;18(5):652-9. doi: 10.1136/amiajnl-2011-002233. Epub 2011 Jun 15. PMID: 21680559; PMCID: PMC3168323. Wilczynski NL, Haynes RB, Qi Hedges Team. Optimal search filters for detecting quality improvement studies in Medline. Qual Saf Healthc. 2010 Dec;19(6):e31. doi: 10.1136/qshc.2010.042432. Epub 2010 Jul 29. PMID: 20671080. Kastner M, Wilczynski NL, McKibbin AK, Garg AX, Haynes RB. Diagnostic test systematic reviews: bibliographic search filters ("Clinical Queries") for diagnostic accuracy studies perform well. J Clin Epidemiol. 2009 Sep;62(9):974-81. doi: 10.1016/j.jclinepi.2008.11.006. Epub 2009 Feb 20. PMID: 19230607; PMCID: PMC2737707. Wilczynski NL, Haynes RB. Response to Corrao et al.: Improving efficacy of PubMed clinical queries for retrieving scientifically strong studies on treatment. J Am Med Inform Assoc. 2007 Mar-Apr;14(2):247-8. Epub 2007 Jan 9. PMID: 17213490; PMCID: PMC2213472. Wilczynski NL, McKibbin KA, Haynes RB. Response to Glanville et al.: How to identify randomized controlled trials in MEDLINE: ten years on. J Med Libr Assoc. 2007 Apr;95(2):117-8; author reply 119-20. PMID: 1743240; PMCID: PMC1852612. Wilczynski NL, Morgan D, Haynes RB, Hedges Team. An overview of the design and methods for retrieving high-quality studies for clinical care. BMC Med Inform Decis Mak. 2005 Jun 21;5:20. doi: 10.1186/1472-6947-5-20. PMID: 15690765; PMCID: PMC1183213. Haynes RB, McKibbin KA, Wilczynski NL, Walter SD, Werry SR, Hedges Team. Optimal search strategies for retrieving scientifically strong studies of treatment from Medline: analytical survey. BMJ. 2005 May 21;330(7501):1179. doi: 10.1136/bmj.33046.498542.f0. Epub 2005 May 13. PMID: 15894554; PMCID: PMC558012. Montori VM, Wilczynski NL, Morgan D, Haynes RB, Hedges Team. Optimal search strategies for retrieving systematic reviews from Medline: analytical survey. BMJ. 2005 Jan 8;330(7482):68. doi: 10.1136/bmj.330336.804167.47. Epub 2004 Dec 24. PMID: 15619601; PMCID: PMC543864. Wilczynski NL, Haynes RB, Lavis JN, Ramkissoon Singh R, Arnold-Oatley AE, HSR Hedges team. Optimal search strategies for detecting health services research studies in MEDLINE. CMAJ. 2004 Nov 9;171(10):1179-85. doi: 10.1503/cmaj.1040512. PMID: 15534310; PMCID: PMC524948. Wilczynski NL, Haynes RB, Hedges Team. 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Developing optimal search strategies for detecting clinically sound studies in MEDLINE. J Am Med Inform Assoc. 1994 Nov-Dec;1(6):447-58. doi: 10.1136/amia.1994.95153434. PMID: 7850570; PMCID: PMC116228. The medical genetics searches were developed in conjunction with the staff of GeneReviews: Genetic Disease Online Reviews at GeneTests, University of Washington, Seattle. Category PubMed equivalent Diagnosis (Diagnosis AND Genetics) Differential Diagnosis (Differential Diagnosis[MeSH] OR Differential Diagnosis[Text Word] AND Genetics) Clinical Description (Natural History OR Mortality OR Phenotype OR Prevalence OR Penetrance AND Genetics) Management (therapy[Subheading] OR treatment[Text Word] OR treatment outcome OR investigational therapies AND Genetics) Genetic Counseling (Genetic Counseling OR Inheritance pattern AND genetics) Molecular Genetics (Medical Genetics OR genotype OR genetics[Subheading] AND genetics) Genetic Testing (DNA Mutational Analysis OR Laboratory techniques and procedures OR Genetic Markers OR diagnosis OR testing OR test OR screening OR mutagenicity tests OR genetic techniques OR molecular diagnostic techniques AND genetics) Medical Genetics (Diagnosis AND genetics) OR (Differential Diagnosis[MeSH] OR Differential Diagnosis[Text Word] AND genetics) OR (Natural History OR Mortality OR Phenotype OR Prevalence OR Penetrance AND genetics) OR (therapy[Subheading] OR treatment[Text Word] OR treatment outcome OR investigational therapies AND genetics) OR (Genetic Counseling OR Inheritance pattern AND genetics) OR (Medical Genetics OR genotype OR genetics[Subheading] AND genetics) OR (DNA Mutational Analysis OR Laboratory techniques and procedures OR Genetic Markers OR diagnosis OR testing OR test OR screening OR mutagenicity tests OR genetic techniques OR molecular diagnostic techniques AND genetics) Computation of similar articles The neighbors document are those documents in the database that are the most similar to it. The similarity between documents is measured by the words they have in common, with some adjustment for document lengths. To carry out such a program, one must first define what a word is. For us, a word is basically an unbroken string of letters and numerals with at least one letter of the alphabet in it. Words end at hyphens, spaces, new lines, and punctuation. The 132 common, but uninformative, words (also known as stopwords) are eliminated from processing at this stage. Next, a limited amount of stemming of words is done, but no thesaurus is used in processing. Words from the abstract of a document are classified as text words. Words from titles are also classified as text words, but words from titles are added in a second time to give them a small advantage in the local weighting scheme. MeSH terms are placed in a third category, and a MeSH term with a subheading qualifier is entered twice, once without the qualifier and once with it. If a MeSH term is starred (indicating a major concept in a document), the star is ignored. These three categories of words (or phrases in the case of MeSH) comprise the representation of a document. No other fields, such as Author or Journal, enter into the calculations. Having obtained the set of terms that represent each document, the next step is to recognize that not all words are of equal value. Each time a word is used, it is assigned a numerical weight. This numerical weight is based on information that the computer can obtain by automatic processing. Automatic processing is important because the number of different terms that have to be assigned weights is close to two million for this system. The weight or value of a term is dependent on three types of information: 1) the number of different documents in the database that contain the term; 2) the number of times the term occurs in a particular document; and 3) the number of term occurrences in the document. The first of these pieces of information is used to produce a number called the global weight of the term. The global weight is used in weighting the term throughout the database. The second and third pieces of information pertain only to a particular document and are used to produce a number called the local weight of the term in that specific document. When a word occurs in two documents, its weight is computed as the product of the global weight times the two local weights (one pertaining to each of the documents). The global weight of a term is greater for the less frequent terms. This is reasonable because the presence of a term that is occurred in most of the documents would really tell one very little about a document. On the other hand, a term that occurred in only 100 documents of one million would be very helpful in limiting the set of documents of interest. A word that occurred in only 10 documents is likely to be even more informative and will receive an even higher weight. The local weight of a term is the measure of its importance in a particular document. Generally, the more frequent a term is within a document, the more important it is in representing the content of that document. However, this relationship is saturating, i.e., as the frequency continues to go up, the importance of the word increases less rapidly and finally comes to a finite limit. In addition, we do not want a longer document to be considered more important just because it is longer; therefore, a length correction is applied. This local weight computation is based on the Poisson distribution and the formula can be found in Lin J and Wilbur WJ. The similarity between two documents is computed by adding up the weights (local wt) local wt2 global wt) of all of the terms the two documents have in common. This provides an indication of how related two documents are. The resultant score is an example of a vector score. Vector scoring was originated by Gerard Salton and has a long history in text retrieval. The interested reader is referred to Salton, Automatic Text Processing, Reading, MA: Addison-Wesley, 1989 for further information on this topic. Our approach differs from other approaches in the way we calculate the local weights for the individual terms. Once the similarity score of a document in relation to each of the other documents in the database has been computed, that document's neighbors are identified as the most similar (highest scoring) documents found. These closely related documents are pre-computed for each document in PubMed so that when you select similar articles, the system has only to retrieve this list. This enables a fast response time for such queries. PubMed Journ Uncompressed GNU zip UNIX Compress PKZIP Figure. AHA's My Life Check Lists Figure. AHA's My Life Check Lists Essential 8. Source: Reprinted with permission from Lloyd-Jones Figure. AHA's My Life Check Lists Essential 8. Source: Reprinted with permission from Lloyd-Jones et al. Copyright 2022, American Heart Association, Inc. Chart 2-1. Trends in age-adjusted mean scores Chart 2-1.. Trends in age-adjusted mean scores (95% CI) for the diet component of CVH Chart 2-1.. Trends in age-adjusted mean scores (95% CI) for the diet component of CVH among US adults 20 years of age, NHANES 2007 to 2008 through 2017 to 2018. Dietary estimates were available only through data up to the 2017 to 2018 NHANES cycle at the time of this report. CI indicates confidence interval; CVH, cardiovascular health; NH, non-Hispanic; and NHANES, National Health and Nutrition Examination Survey. Source: Unpublished American Heart Association tabulation using NHANES. Chart 2-2.. Trends in age-adjusted mean scores (95% CI) for the PA component of CVH among US adults 20 years of age, NHANES 2007 to 2008 through 2017 to March 2020. CI indicates confidence interval; CVH, cardiovascular health; NH, non-Hispanic; NHANES, National Health and Nutrition Examination Survey; and PA, physical activity. Source: Unpublished American Heart Association tabulation using NHANES. Chart 2-3.. Trends in age-adjusted mean scores (95% CI) for the nicotine exposure component of CVH among US adults 20 years of age, NHANES 2007 to 2008 through 2017 to March 2020. CI indicates confidence interval; CVH, cardiovascular health; NH, non-Hispanic; and NHANES, National Health and Nutrition Examination Survey. Source: Unpublished American Heart Association tabulation using NHANES. Chart 2-4.. Trends in age-adjusted mean scores (95% CI) for the sleep health component of CVH among US adults 20 years of age, NHANES 2007 to 2008 through 2017 to March 2020. CI indicates confidence interval; CVH, cardiovascular health; NH, non-Hispanic; and NHANES, National Health and Nutrition Examination Survey. Source: Unpublished American Heart Association tabulation using NHANES. Chart 2-5.. Trends in age-adjusted mean scores (95% CI) for the BMI component of CVH Chart 2-5.. Trends in age-adjusted mean scores (95% CI) for the BMI component of CVH among US adults 20 years of age, NHANES 2007 to 2008 through 2017 to March 2020. BMI indicates body mass index; CI, confidence interval; CVH, cardiovascular health; NH, non-Hispanic; and NHANES, National Health and Nutrition Examination Survey. Source: Unpublished American Heart Association tabulation using NHANES. Chart 2-6.. Trends in age-adjusted mean scores (95% CI) for the non-HDL blood lipids component of CVH among US adults 20 years of age, NHANES 2007 to 2008 through 2017 to March 2020. CI indicates confidence interval; CVH, cardiovascular health; HDL, high-density lipoprotein; NH, non-Hispanic; and NHANES, National Health and Nutrition Examination Survey. Source: Unpublished American Heart Association tabulation using NHANES. Chart 2-7.. Trends in age-adjusted mean scores (95% CI) for the blood glucose component of CVH among US adults 20 years of age, NHANES 2007 to 2008 through 2017 to March 2020. CI indicates confidence interval; CVH, cardiovascular health; NH, non-Hispanic; and NHANES, National Health and Nutrition Examination Survey. Source: Unpublished American Heart Association tabulation using NHANES. Chart 2-8.. Trends in age-adjusted mean scores (95% CI) for the BP component of CVH Chart 2-8.. Trends in age-adjusted mean scores (95% CI) for the BP component of CVH among US adults 20 years of age, NHANES 2007 to 2008 through 2017 to March 2020. BP indicates blood pressure; CI, confidence interval; CVH, cardiovascular health; NH, non-Hispanic; and NHANES, National Health and Nutrition Examination Survey. Source: Unpublished American Heart Association tabulation using NHANES. Chart 3-1.. Prevalence (percent) of tobacco use Chart 3-1.. Prevalence (percent) of tobacco use in the United States in the past 30 days Chart 3-1.. Prevalence (percent) of tobacco use in the United States in the past 30 days by product,* school level, sex, and race and ethnicity (NTYS, 2022). A. High school students. B. Middle school students. E. Cigarette indicates electronic cigarette; and NTYS, National Youth Tobacco Survey. *Past 30-day use of e-cigarettes was determined by asking During the past 30 days, on how many days did you use e-cigarettes? Past 30-day use of cigarettes was determined by asking During the past 30 days, on how many days did you smoke cigars, cigarillos, or little cigars? Smokeless tobacco was defined as use of chewing tobacco, snuff, dip, snus, or dissolvable tobacco products. Past 30-day use of smokeless tobacco was determined by asking the following question: During the past 30 days, on how many days did you use chewing tobacco, snuff, dip, snus, or dissolvable products? Responses from these questions were combined to derive overall smokeless tobacco use. Past 30-day use of hookahs was determined by asking During the past 30 days, on how many days did you smoke tobacco in a hookah or water pipe? Past 30-day use of pipe tobacco (not hookahs) was determined by asking In the past 30 days, on how many days did you smoke pipes filled with tobacco? Past 30-day use of heated tobacco products was determined by asking During the past 30 days, on how many days did you use a heated tobacco product? Past 30-day use of nicotine pouches was determined by asking During the past 30 days, on how many days did you use a nicotine pouch? Because of missing data on the past 30-day use questions, denominators for each tobacco product might be different. Black people, White people, and people of other race are non-Hispanic. Hispanic people could be of any race. Non-Hispanic people who selected "1 race were included in the analysis. AHA's My Life Check Lists Figure. AHA's My Life Check Lists Essential 8. Source: Reprinted with permission from Lloyd-Jones et al. Copyright 2022, American Heart Association, Inc. Chart 3-2.. Prevalence (percent) of tobacco use in the United States in the past 30 days by product,* school level, sex, and race and ethnicity (NTYS, 2022). A. High school students. B. Middle school students. E. Cigarette indicates electronic cigarette; and NTYS, National Youth Tobacco Survey. *Past 30-day use of e-cigarettes was determined by asking During the past 30 days, on how many days did you use e-cigarettes? Past 30-day use of cigarettes was determined by asking During the past 30 days, on how many days did you smoke cigars, cigarillos, or little cigars? Smokeless tobacco was defined as use of chewing tobacco, snuff, dip, snus, or dissolvable tobacco products. 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Black people, White people, and people of other race are non-Hispanic. Hispanic people could be of any race. Non-Hispanic people who selected "1 race were included in the analysis. AHA's My Life Check Lists Figure. AHA's My Life Check Lists Essential 8. Source: Reprinted with permission from Lloyd-Jones et al. Copyright 2022, American Heart Association, Inc. Chart 3-3.. Prevalence (percent) of tobacco use in the United States in the past 30 days by product,* school level, sex, and race and ethnicity (NTYS, 2022). A. High school students. B. Middle school students. E. Cigarette indicates electronic cigarette; and NTYS, National Youth Tobacco Survey. *Past 30-day use of e-cigarettes was determined by asking During the past 30 days, on how many days did you use e-cigarettes? Past 30-day use of cigarettes was determined by asking During the past 30 days, on how many days did you smoke cigars, cigarillos, or little cigars? 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Because of missing data on the past 30-day use questions, denominators for each tobacco product might be different. Black people, White people, and people of other race are non-Hispanic. Hispanic people could be of any race. Non-Hispanic people who selected "1 race were included in the analysis. AHA's My Life Check Lists Figure. AHA's My Life Check Lists Essential 8. Source: Reprinted with permission from Lloyd-Jones et al. Copyright 2022, American Heart Association, Inc. Chart 3-4.. Prevalence (percent) of tobacco use in the United States in the past 30 days by product,* school level, sex, and race and ethnicity (NTYS, 2022). A. High school students. B. Middle school students. E. Cigarette indicates electronic cigarette; and NTYS, National Youth Tobacco Survey. *Past 30-day use of e-cigarettes was determined by asking During the past 30 days, on how many days did you use e-cigarettes? Past 30-day use of cigarettes was determined by asking During the past 30 days, on how many days did you smoke cigars, cigarillos, or little cigars? Smokeless tobacco was defined as use of chewing tobacco, snuff, dip, snus, or dissolvable tobacco products. Past 30-day use of smokeless tobacco was determined by asking the following question: During the past 30 days, on how many days did you use chewing tobacco, snuff, dip, snus, or dissolvable products? Responses from these questions were combined to derive overall smokeless tobacco use. Past 30-day use of hookahs was determined by asking During the past 30 days, on how many days did you smoke tobacco in a hookah or water pipe? Past 30-day use of pipe tobacco (not hookahs) was determined by asking In the past 30 days, on how many days did you smoke pipes filled with tobacco? Past 30-day use of heated tobacco products was determined by asking During the past 30 days, on how many days did you use a heated tobacco product? Past 30-day use of nicotine pouches was determined by asking During the past 30 days, on how many days did you use a nicotine pouch? Because of missing data on the past 30-day use questions, denominators for each tobacco product might be different. Black people, White people, and people of other race are non-Hispanic. Hispanic people could be of any race. Non-Hispanic people who selected "1 race were included in the analysis. AHA's My Life Check Lists Figure. AHA's My Life Check Lists Essential 8. Source: Reprinted with permission from Lloyd-Jones et al. Copyright 2022, American Heart Association, Inc. Chart 3-5.. Prevalence (percent) of tobacco use in the United States in the past 30 days by product,* school level, sex, and race and ethnicity (NTYS, 2022). A. High school students. B. Middle school students. E. Cigarette indicates electronic cigarette; and NTYS, National Youth Tobacco Survey. *Past 30-day use of e-cigarettes was determined by asking During the past 30 days, on how many days did you use e-cigarettes? Past 30-day use of cigarettes was determined by asking During the past 30 days, on how many days did you smoke cigars, cigarillos, or little cigars? Smokeless tobacco was defined as use of chewing tobacco, snuff, dip, snus, or dissolvable tobacco products. Past 30-day use of smokeless tobacco was determined by asking the following question: During the past 30 days, on how many days did you use chewing tobacco, snuff, dip, snus, or dissolvable products? Responses from these questions were combined to derive overall smokeless tobacco use. Past 30-day use of hookahs was determined by asking During the past 30 days, on how many days did you smoke tobacco in a hookah or water pipe? Past 30-day use of pipe tobacco (not hookahs) was determined by asking In the past 30 days, on how many days did you smoke pipes filled with tobacco? Past 30-day use of heated tobacco products was determined by asking During the past 30 days, on how many days did you use a heated tobacco product? Past 30-day use of nicotine pouches was determined by asking During the past 30 days, on how many days did you use a nicotine pouch? Because of missing data on the past 30-day use questions, denominators for each tobacco product might be different. Black people, White people, and people of other race are non-Hispanic. Hispanic people could be of any race. Non-Hispanic people who selected "1 race were included in the analysis. AHA's My Life Check Lists Figure. AHA's My Life Check Lists Essential 8. Source: Reprinted with permission from Lloyd-Jones et al. Copyright 2022, American Heart Association, Inc. Chart 3-6.. Prevalence (percent) of tobacco use in the United States in the past 30 days by product,* school level, sex, and race and ethnicity (NTYS, 2022). A. High school students. B. Middle school students. E. Cigarette indicates electronic cigarette; and NTYS, National Youth Tobacco Survey. *Past 30-day use of e-cigarettes was determined by asking During the past 30 days, on how many days did you use e-cigarettes? Past 30-day use of cigarettes was determined by asking During the past 30 days, on how many days did you smoke cigars, cigarillos, or little cigars? Smokeless tobacco was defined as use of chewing tobacco, snuff, dip, snus, or dissolvable tobacco products. Past 30-day use of smokeless tobacco was determined by asking the following question: During the past 30 days, on how many days did you use chewing tobacco, snuff, dip, snus, or dissolvable products? Responses from these questions were combined to derive overall smokeless tobacco use. Past 30-day use of hookahs was determined by asking During the past 30 days, on how many days did you smoke tobacco in a hookah or water pipe? Past 30-day use of pipe tobacco (not hookahs) was determined by asking In the past 30 days, on how many days did you smoke pipes filled with tobacco? Past 30-day use of heated tobacco products was determined by asking During the past 30 days, on how many days did you use a heated tobacco product? Past 30-day use of nicotine pouches was determined by asking During the past 30 days, on how many days did you use a nicotine pouch? Because of missing data on the past 30-day use questions, denominators for each tobacco product might be different. Black people, White people, and people of other race are non-Hispanic. Hispanic people could be of any race. Non-Hispanic people who selected "1 race were included in the analysis. AHA's My Life Check Lists Figure. AHA's My Life Check Lists Essential 8. Source: Reprinted with permission from Lloyd-Jones et al. Copyright 2022, American Heart Association, Inc. Chart 3-7.. Prevalence (percent) of tobacco use in the United States in the past 30 days by product,* school level, sex, and race and ethnicity (NTYS, 2022). A. High school students. B. Middle school students. E. Cigarette indicates electronic cigarette; and NTYS, National Youth Tobacco Survey. *Past 30-day use of e-cigarettes was determined by asking During the past 30 days, on how many days did you use e-cigarettes? Past 30-day use of cigarettes was determined by asking During the past 30 days, on how many days did you smoke cigars, cigarillos, or little cigars? Smokeless tobacco was defined as use of chewing tobacco, snuff, dip, snus, or dissolvable tobacco products. Past 30-day use of smokeless tobacco was determined by asking the following question: During the past 30 days, on how many days did you use chewing tobacco, snuff, dip, snus, or dissolvable products? Responses from these questions were combined to derive overall smokeless tobacco use. Past 30-day use of hookahs was determined by asking During the past 30 days, on how many days did you smoke tobacco in a hookah or water pipe? Past 30-day use of pipe tobacco (not hookahs) was determined by asking In the past 30 days, on how many days did you smoke pipes filled with tobacco? Past 30-day use of heated tobacco products was determined by asking During the past 30 days, on how many days did you use a heated tobacco product? Past 30-day use of nicotine pouches was determined by asking During the past 30 days, on how many days did you use a nicotine pouch? Because of missing data on the past 30-day use questions, denominators for each tobacco product might be different. Black people, White people, and people of other race are non-Hispanic. Hispanic people could be of any race. Non-Hispanic people who selected "1 race were included in the analysis. AHA's My Life Check Lists Figure. AHA's My Life Check Lists Essential 8. Source: Reprinted with permission from Lloyd-Jones et al. Copyright 2022, American Heart Association, Inc. Chart 3-8.. Prevalence (percent) of tobacco use in the United States in the past 30 days by product,* school level, sex, and race and ethnicity (NTYS, 2022). A. High school students. B. Middle school students. E. Cigarette indicates electronic cigarette; and NTYS, National Youth Tobacco Survey. *Past 30-day use of e-cigarettes was determined by asking During the past 30 days, on how many days did you use e-cigarettes? Past 30-day use of cigarettes was determined by asking During the past 30 days, on how many days did you smoke cigars, cigarillos, or little cigars? Smokeless tobacco was defined as use of chewing tobacco, snuff, dip, snus, or dissolvable tobacco products. Past 30-day use of smokeless tobacco was determined by asking the following question: During the past 30 days, on how many days did you use chewing tobacco, snuff, dip, snus, or dissolvable products? Responses from these questions were combined to derive overall smokeless tobacco use. Past 30-day use of hookahs was determined by asking During the past 30 days, on how many days did you smoke tobacco in a hookah or water pipe? Past 30-day use of pipe tobacco (not hookahs) was determined by asking In the past 30 days, on how many days did you smoke pipes filled with tobacco? Past 30-day use of heated tobacco products was determined by asking During the past 30 days, on how many days did you use a heated tobacco product? Past 30-day use of nicotine pouches was determined by asking During the past 30 days, on how many days did you use a nicotine pouch? Because of missing data on the past 30-day use questions, denominators for each tobacco product might be different. Black people, White people, and people of other race are non-Hispanic. Hispanic people could be of any race. Non-Hispanic people who selected "1 race were included in the analysis. AHA's My Life Check Lists Figure. AHA's My Life Check Lists Essential 8. Source: Reprinted with permission from Lloyd-Jones et al. Copyright 2022, American Heart Association, Inc. Chart 3-9.. Prevalence (percent) of tobacco use in the United States in the past 30 days by product,* school level, sex, and race and ethnicity (NTYS, 2022). A. High school students. B. Middle school students. E. Cigarette indicates electronic cigarette; and NTYS, National Youth Tobacco Survey. *Past 30-day use of e-cigarettes was determined by asking During the past 30 days, on how many days did you use e-cigarettes? Past 30-day use of cigarettes was determined by asking During the past 30 days, on how many days did you smoke cigars, cigarillos, or little cigars? Smokeless tobacco was defined as use of chewing tobacco, snuff, dip, snus, or dissolvable tobacco products. Past 30-day use of smokeless tobacco was determined by asking the following question: During the past 30 days, on how many days did you use chewing tobacco, snuff, dip, snus, or dissolvable products? Responses from these questions were combined to derive overall smokeless tobacco use. Past 30-day use of hookahs was determined by asking During the past 30 days, on how many days did you smoke tobacco in a hookah or water pipe? Past 30-day use of pipe tobacco (not hookahs) was determined by asking In the past 30 days, on how many days did you smoke pipes filled with tobacco? Past 30-day use of heated tobacco products was determined by asking During the past 30 days, on how many days did you use a heated tobacco product? Past 30-day use of nicotine pouches was determined by asking During the past 30 days, on how many days did you use a nicotine pouch? Because of missing data on the past 30-day use questions, denominators for each tobacco product might be different. Black people, White people, and people of other race are non-Hispanic. Hispanic people could be of any race. Non-Hispanic people who selected "1 race were included in the analysis. AHA's My Life Check Lists Figure. AHA's My Life Check Lists Essential 8. Source: Reprinted with permission from Lloyd-Jones et al. Copyright 2022, American Heart Association, Inc. Chart 3-10.. Prevalence (percent) of tobacco use in the United States in the past 30 days by product,* school level, sex, and race and ethnicity (NTYS, 2022). A. High school students. B. Middle school students. E. Cigarette indicates electronic cigarette; and NTYS, National Youth Tobacco Survey. *Past 30-day use of e-cigarettes was determined by asking During the past 30 days, on how many days did you use e-cigarettes? Past 30-day use of cigarettes was determined by asking During the past 30 days, on how many days did you smoke cigars, cigarillos, or little cigars? Smokeless tobacco was defined as use of chewing tobacco, snuff, dip, snus, or dissolvable tobacco products. Past 30-day use of smokeless tobacco was determined by asking the following question: During the past 30 days, on how many days did you use chewing tobacco, snuff, dip, snus, or dissolvable products? Responses from these questions were combined to derive overall smokeless tobacco use. Past 30-day use of hookahs was determined by asking During the past 30 days, on how many days did you smoke tobacco in a hookah or water pipe? Past 30-day use of pipe tobacco (not hookahs) was determined by asking In the past 30 days, on how many days did you smoke pipes filled with tobacco? Past 30-day use of heated tobacco products was determined by asking During the past 30 days, on how many days did you use a heated tobacco product? Past 30-day use of nicotine pouches was determined by asking During the past 30 days, on how many days did you use a nicotine pouch? Because of missing data on the past 30-day use questions, denominators for each tobacco product might be different. Black people, White people, and people of other race are non-Hispanic. Hispanic people could be of any race. Non-Hispanic people who selected "1 race were included in the analysis. AHA's My Life Check Lists Figure. AHA's My Life Check Lists Essential 8. Source: Reprinted with permission from Lloyd-Jones et al. Copyright 2022, American Heart Association, Inc. Chart 3-11.. Prevalence (percent) of tobacco use in the United States in the past 30 days by product,* school level, sex, and race and ethnicity (NTYS, 2022). A. High school students. B. Middle school students. E. Cigarette indicates electronic cigarette; and NTYS, National Youth Tobacco Survey. *Past 30-day use of e-cigarettes was determined by asking During the past 30 days, on how many days did you use e-cigarettes? Past 30-day use of cigarettes was determined by asking During the past 30 days, on how many days did you smoke cigars, cigarillos, or little cigars? Smokeless tobacco was defined as use of chewing tobacco, snuff, dip, snus, or dissolvable tobacco products. Past 30-day use of smokeless tobacco was determined by asking the following question: During the past 30 days, on how many days did you use chewing tobacco, snuff, dip, snus, or dissolvable products? Responses from these questions were combined to derive overall smokeless tobacco use. Past 30-day use of hookahs was determined by asking During the past 30 days, on how many days did you smoke tobacco in a hookah or water pipe? Past 30-day use of pipe tobacco (not hookahs) was determined by asking In the past 30 days, on how many days did you smoke pipes filled with tobacco? Past 30-day use of heated tobacco products was determined by asking During the past 30 days, on how many days did you use a heated tobacco product? Past 30-day use of nicotine pouches was determined by asking During the past 30 days, on how many days did you use a nicotine pouch? Because of missing data on the past 30-day use questions, denominators for each tobacco product might be different. Black people, White people, and people of other race are non-Hispanic. Hispanic people could be of any race. Non-Hispanic people who selected "1 race were included in the analysis. AHA's My Life Check Lists Figure. AHA's My Life Check Lists Essential 8. Source: Reprinted with permission from Lloyd-Jones et al. Copyright 2022, American Heart Association, Inc. Chart 3-12.. Prevalence (percent) of tobacco use in the United States in the past 30 days by product,* school level, sex, and race and ethnicity (NTYS, 2022). A. High school students. B. Middle school students. E. Cigarette indicates electronic cigarette; and NTYS, National Youth Tobacco Survey. *Past 30-day use of e-cigarettes was determined by asking During the past 30 days, on how many days did you use e-cigarettes? Past 30-day use of cigarettes was determined by asking During the past 30 days, on how many days did you smoke cigars, cigarillos, or little cigars? Smokeless tobacco was defined as use of chewing tobacco, snuff, dip, snus, or dissolvable tobacco products. Past 30-day use