LIST OF PUBLICATIONS USING DATA FROM NAMCS AND NHAMCS

AVAILABLE AT:

http://www.cdc.gov/namcs (under Survey Results and Products) or

http://www.cdc.gov/nchs/data/ahcd/namcs_nhamcs_publication_list.pdf
National Ambulatory Medical Care Survey (NAMCS) and National Hospital Ambulatory Medical Care Survey (NHAMCS) List of Publications (12/31/2022)

This list includes reports produced within the National Center for Health Statistics as well as journal articles and books using NAMCS and NHAMCS data. Selections are listed by topic in chronological order, beginning with the most recent in each section. NCHS reports comprise several different formats: Advance Data from Vital Statistics reports (ADR) are short summaries, generally not more than 32 pages in length. As of January 2008, this format became National Health Statistics Reports (NHSR). Vital and Health Statistics Series reports present detailed descriptive statistics. Data Briefs are a shorter NCHS report format, generally no more than 8 pages, that was initiated in 2007. Some overlap of topics will be apparent in certain articles and these may be cross-indexed.

NAMCS was conducted annually from 1973-1981, again in 1985, and has been an annual survey since 1989. NHAMCS was first conducted in 1992 and continued to be fielded annually through 2022. Publications summarizing those data can be found after the NAMCS listings.

NATIONAL AMBULATORY MEDICAL CARE SURVEY

1a. NCHS SUMMARY REPORTS AND DATA BRIEFS

NOTE: Beginning with 2008 NAMCS data, the traditional summary reports are no longer available. Instead, short reports featuring new data focused on a particular topic are being published in the NCHS Data Brief series. Also available at the NAMCS/NHAMCS website are web tables, starting with 2008 data, which include many of the tables previously published in the annual summary reports. The NCHS summary reports and data briefs cited below can be found here.

Data Briefs


**State Variation in Electronic Sharing of Information in Physician Offices: United States, 2015** [Data Brief No. 261]

**Physician Office Visits by Children for Well and Problem-focused Care: United States, 2012** [Data Brief No. 248]

**Characteristics of Physician Office Visits for Obesity by Adults Aged 20 and Over: United States, 2012** [Data Brief No. 237]

**Adoption of Certified Electronic Health Record Systems and Electronic Informaion Sharing in Physician Offices: United States, 2013 and 2014** [Data Brief No. 236]

**State Variation in Preventive Care Visits, by Patient Characteristics, 2012** [Data Brief, No. 234]

**Variation in Physician Office Visit Rates by Patient Characteristics and State, 2012**. [Data Brief No. 212]

**Acceptance of New Patients With Public and Private Insurance by Office-based Physicians: United States, 2013** [Data Brief No. 195]

**Age Differences in Visits to Office-based Physicians by Patients With Diabetes: United States, 2010** [Data Brief No. 161]

**State Variability in Supply of Office-based Primary Care Providers: United States, 2012** [Data Brief No. 151]

**Use and Characteristics of Electronic Health Record Sysrtems Among Office-based Physician Practices: United States, 2001-2013** [Data Brief No. 143]

**Physician Experience With Electronic Health Record Systems That Meet Meaningful Use Criteria: NAMCS Physician Workflow Survey, 2011** [Data Brief No. 129]

**Use and Characteristics of Electronic Health Record Systems Among Office-based Physician Practices: United States, 201-2012** [Data Brief No. 111]

**Physician Adoption of Electronic Health Record Systems: United States, 2011** [Data Brief No. 98]

**Office-based Physician Practices: United States, 2001-2011** [Data Brief No. 79]

**Nurse Practitioners, Certified Nurse Midwives, and Physician Assistants in Physician Offices** [Data Brief No. 69]

**Community Health Centers: Providers, Patients and Content of Care** [Data Brief No. 65]

**Summary Reports**


Ambulatory Medical Care Utilization Estimates for 2007 [Series 13 No. 169]

2006 NAMCS Summary [NHSR No. 3]

Ambulatory Medical Care Utilization Estimates for 2006 [NHSR No. 8]

2005 NAMCS Summary [ADR No. 387]
Ambulatory Medical Care Utilization Estimates for 2005 [ADR No. 388]
Medication Therapy in Ambulatory Medical Care: United States, 2003-04 [Series 13 No. 163]
2004 NAMCS Summary [ADR No. 374]
Ambulatory Care Visits to Physician Offices, Hospital Outpatient Departments, and Emergency Departments: United States, 2001-2002 [Series 13 No. 159]
2003 NAMCS Summary [ADR No. 365]
Ambulatory Care Visits to Physician Offices, Hospital Outpatient Departments, and Emergency Departments: United States, 1999-2000 [Series 13 No. 157]
2002 NAMCS Summary [ADR No. 346]
2001 NAMCS Summary [ADR No. 337]
2000 NAMCS Summary [ADR No. 328]
1999 NAMCS Summary [ADR No. 322]
1998 NAMCS Summary [ADR No. 315]
Ambulatory Care Visits to Physician Offices, Hospital Outpatient Departments, and Emergency Departments: United States, 1997 [Series 13, No. 143]
1995-96 NAMCS Summary [Series 13, No. 142]
1997 NAMCS Summary [ADR No. 305]
1993 NAMCS Summary [Series 13, No. 136]
Ambulatory Care Visits to Physician Offices, Hospital Outpatient Departments, and Emergency Departments: United States, 1996 [Series 13, No. 134]
1996 NAMCS Summary [ADR No. 295]
Ambulatory Care Visits to Physician Offices, Hospital Outpatient Departments, and Emergency Departments: United States, 1995 [Series 13, No. 129]
1995 NAMCS Summary [ADR No. 286]
1994 NAMCS Summary [ADR No. 273]
1993 NAMCS Summary [ADR No. 270]
1992 NAMCS Summary [ADR No. 253]
1991 NAMCS Summary [Series 13, No. 116]
1991 NAMCS Summary [ADR No. 230]
1990 NAMCS Summary [ADR No. 213]
1989 NAMCS Summary [Series 13, No. 110]
1989 NAMCS Summary [ADR No. 203]
1985 NAMCS Summary [ADR No. 128]
1981 NAMCS Summary [ADR No. 88]
1980 NAMCS Summary [ADR No. 77]
NAMCS Complement Survey, 1980 [Series 13, No. 77]
1979 NAMCS Summary [Series 13, No. 66]
1979 NAMCS Summary [ADR No. 66]
1978 NAMCS Summary [ADR No. 60]
1977 NAMCS Summary [Series 13, No. 44]
1977 NAMCS Summary [ADR No. 48]
1976 NAMCS Summary [ADR No. 30]
1975 NAMCS Summary [Series 13, No. 33]
1975 NAMCS Summary [ADR No. 12]
1973 NAMCS Summary [Series 13, No. 21]

1b. SUMMARY REPORTS – JOURNAL ARTICLES USING NAMCS DATA

2a. PHYSICIAN SPECIALTY, PRACTICE CHARACTERISTICS - NCHS REPORTS

Office Visits to Orthopedic Surgeons: 1980-81 [ADR No. 117]
Patterns of Ambulatory Care in Internal Medicine: 1980-81 [Series 13, No. 80]
Patterns of Ambulatory Care in Visits to General Surgeons: 1980-81 [Series 13, No. 79]
Patterns of Ambulatory Care in Obstetrics and Gynecology: 1980-81 [Series 13, No. 76]
Patterns of Ambulatory Care in Pediatrics: 1980-81 [Series 13, No. 75]
Patterns of Ambulatory Care in General and Family Practice: 1980-81 [Series 13, No. 73]
Office Visits for Preventive Care: 1977-78 [ADR No. 69]
Characteristics of Visits to Female and Male Physicians: 1977 [Series 13, No. 49]
Office Visits to Cardiovascular Disease Specialists: 1975-76 [ADR No. 42]
Office Visits to Urologists: 1975-76 [ADR No. 39]
Office Visits to Internists: 1975 [Series 13, No. 36]
Office Visits to Psychiatrists: 1975-76 [ADR No. 38]
Office Visits to Dermatologists: 1975-76 [ADR No. 37]
Office Visits to Otolaryngologists: 1975-76 [ADR No. 36]
Office Visits to Orthopedic Surgeons: 1975-76 [ADR No. 33]
Office Visits to Doctors of Osteopathy: 1975 [ADR No. 25]
Office Visits to General Surgeons: 1975 [ADR No. 22]
Office Visits to Obstetricians and Gynecologists: 1975 [ADR No. 20]
Office Visits to Internists: 1975 [ADR, No. 16]
Office Visits to General and Family Practitioners: 1975 [ADR No. 15]
Ambulatory Medical Care Rendered in Pediatricians' Offices During 1975 [ADR No. 13]
Also:


2b. PHYSICIAN SPECIALTY, PRACTICE CHARACTERISTICS - JOURNAL ARTICLES USING NAMCS DATA


Bruen BK, Ku L, Lu X, Shin P. No Evidence That Primary Care Physicians Offer Less Care To Medicaid, Community Health Center, Or Uninsured Patients. Health Aff September 2013 vol. 32 no. 9 1624-1630. doi: 10.1377/hlthaff.2012.1300


Licciardone JC, Singh KP. Sociodemographic and geographic characteristics associated with patient visits to osteopathic physicians for primary care. BMC Health Serv Res. 2011 Nov 4;11(1):303. [Epub ahead of print]


Hing E, Hooker RS, Ashman JJ. Primary Health Care in Community Health Centers and Comparison with Office-Based Practice. J Community Health. 2010 Nov 3. [Epub ahead of print]


Glied S, Zivin JG. How do doctors behave when some (but not all) of their patients are in managed care? Journal of Health Economics 21 (2): 337-353 Mar 2002


Mills AC, McSweeney M. Nurse practitioners and physician assistants revisited: Do their practice patterns differ in ambulatory care? J Prof Nurs 2002 Jan-Feb;18(1):36-46

Hachmuth FA, Hootman JM. What impact on PA education? A snapshot of ambulatory care visits involving PAs. JAAPA 2001 Dec;14(12):22-4, 27-38; quiz 49-50


Paine LL, Johnson TR, Lang JM, Gagnon D, Declercq ER, DeJoseph J, Scupholme A, Strobino D, Ross A.


Thompson TT, Feldman SR, Fleischer AB Jr. Only 33% of visits for skin disease in the US in 1995 were to dermatologists: is decreasing the number of dermatologists the appropriate response? Dermatol Online J 1998 Oct;4(1):3


Fleischer A Jr, Thompson T, Feldman S. Prevalence of skin conditions is high among elderly population, but majority of care provided by non-dermatologists. Skin & Aging 1998; 1: 8-9


Monson RA, Jameson JH. Similarities of a general medicine clinic in a teaching hospital to internal medicine practice. Med Care 21(8) 816-20, August 1983.


2c. PHYSICIAN SPECIALTY, PRACTICE CHARACTERISTICS - BOOKS USING NAMCS DATA


American Academy of Family Physicians. Facts about: Family Practice. 1992. (earlier years are available, too)


3a. PATIENT CHARACTERISTICS – NCHS REPORTS

Age Differences in Visits to Office-based Physicians by Adults With Hypertension: United States, 2013 [Data Brief No. 263]
Physician Office Visits by Children for Well and Problem-focused Care: United States, 2012 [Data Brief No. 248]
Office Visits for Obesity by Adults Aged 20 and Over: United States, 2012. [Data Brief No. 237]
Variation in Physician Office Visit Rates by Patient Characteristics and State, 2012. [Data Brief No. 212]
Age Differences in Visits to Office-based Physicians by Patients With Diabetes: United States, 2010 [Data Brief No. 161]
Population Aging and the Use of Office-based Physician Services [Data Brief No. 41]
Health Care Utilization Among Adults Aged 55-64 Years: How Has It Changed Over the Past 10 Years? [Data Brief No. 32]
Visits by Adolescents, 1985 [ADR No. 196]
Visits by Hispanics: 1980-81 [ADR No. 129]
Patients 75 Years Old and Over: 1980-81 [ADR No. 110]
Health Care of Adolescents: 1980-81 [ADR No. 99]
Use of Health Services by Women 65 Years of Age and Over [Series 13, No. 59]
Office Visits by Women: 1977 [Series 13, No. 45]
Office Visits by Black Patients: 1975-76 [ADR No. 50]
Ambulatory Care Utilization Patterns of Children and Young Adults: 1975 [Series 13, No. 39]
Office Visits by Persons Aged 65 and Over [ADR No. 22]

3b. PATIENT CHARACTERISTICS - JOURNAL ARTICLES USING NAMCS DATA

(This section includes articles focused on medical care within a population sub-group, however, it is still possible that some articles may be indexed in other sections. In general, articles focused on medication therapy are indexed in the Medication section, regardless of patient characteristics.)
**Pediatric Patients**


Marcell AV, Klein JD, Fischer I, Allan MJ, Kokotaio PK. Male adolescent use of health care services: Where are the boys? Journal of Adolescent Health 30: (1) 35-43 Jan 2002


**Adult Patients**


Ma J, Xiao L, Stafford RS. Adult Obesity and Office-based Quality of Care in the United States. Obesity (Silver Spring). 2009 Feb 5. [Epub ahead of print]


Older Adults/Elderly Patients


Gender


Race/Ethnicity


Lasser KE, Himmelstein DU, Woolhandler SJ, McCormick D, Bor DH. Do minorities in the United States receive fewer mental health services than whites? Int J Health Serv 2002;32(3):567-78


Patients with Obesity


**Patients with Mental Illness**


**Patients with Diabetes**


Patients with Other Conditions


Analysis of Ambulatory Care Visits in the US. Dig Dis Sci. 2010 Feb 26. [Epub ahead of print]


Smokers with Psychiatric Diagnoses

Thorndike AN, Stafford RS, Rigotti NA. US physicians' treatment of smoking in outpatients with psychiatric


Other Patient Characteristics


3c. PATIENT CHARACTERISTICS - OTHER PUBLICATIONS USING NAMCS DATA


4a. REASON FOR VISIT, DIAGNOSIS - NCHS REPORTS

Ambulatory Care Visits for Asthma: United States, 1993-94 [ADR No. 277]  
Office Visits for Otitis Media: United States, 1975-90 [ADR No. 214]  
Office Visits for Diabetes Mellitus: 1989 [ADR No. 211]  
Use of Health Services for Disorders of the Female Reproductive System: 1977-78 [Series 13, No. 63]  
Patient's Reasons for Visiting Physicians: 1977-78 [Series 13, No. 56]  
Headache as the Reason for Office Visits: 1977-78 [ADR No. 67]  
Cough as the Reason for Office Visits: 1977-78 [ADR No. 65]  
Office Visits for Male Genitourinary Conditions: 1977-78 [ADR No. 63]  
Office Visits for Diabetes Mellitus: 1977 [ADR No. 57]  
Office Visits for Diseases of the Respiratory System: 1975-76 [Series 13, No. 42]  
Office Visits for Family Planning: 1977 [ADR No. 49]  
Office Visits for Diseases of the Circulatory System: 1975-76 [Series 13, No. 40]  
Office Visits for Respiratory Conditions: 1975-76 [ADR No. 41]
Office Visits for Hypertension: 1975-76 [ADR No. 28]

4b. REASON FOR VISIT, DIAGNOSIS - JOURNAL ARTICLES USING NAMCS DATA


Sanchez N. Suitability of the National Health Care Surveys to Examine Behavioral Health Services Associated with Polycystic Ovary Syndrome. J Behav Health Serv Res. 2016 Dec 13. [Epub ahead of print]


Choi NG, DiNitto DM, Marti CN, Kunik ME. When depression is diagnosed, older adults are as likely as younger adults to be prescribed pharmacotherapy and psychotherapy. Gen Hosp Psychiatry. 2016 Nov - Dec;43:6-11. doi: 10.1016/j.genhosppsych.2016.08.002.


Harman JS, Mills J, Cook RL, Harle CA. Electronic Health Record Availability and Anxiety Treatment in Office-Based Practices. Psychiatr Serv. 2016 May 2;appips201500150. [Epub ahead of print]


Oehrlein EM, Burcu M, Safer DJ, Zito JM. National Trends in ADHD Diagnosis and Treatment: Comparison of Youth and Adult Office-Based Visits. Psychiatr Serv. 2016 May 16:appips201500269. [Epub ahead of print]


Rajakannan T, Safer DJ, Burcu M, Zito JM. National Trends in Psychiatric Not Otherwise Specified (NOS) Diagnosis and Medication Use Among Adults in Outpatient Treatment. Psychiatr Serv. 2015 Nov 16:appips201500045. [Epub ahead of print]

Roditi RE, Veling M, Shin JJ. Age: An effect modifier of the association between allergic rhinitis and Otitis media with effusion. Laryngoscope. 2015 Sep 30. doi: 10.1002/lary.25682. [Epub ahead of print]


Asao K, McEwen LN, Lee JM, Herman WH. Ascertainment of outpatient visits by patients with diabetes: The National Ambulatory Medical Care Survey (NAMCS) and the National Hospital Ambulatory Medical Care Survey (NHAMCS). J Diabetes Complications. 2015 Apr 7. pii: S1056-8727(15)00115-4. doi: 10.1016/j.jdiacomp.2015.03.019. [Epub ahead of print]


Bhattacharyya N, Kepnes LJ. Ambulatory Office Visits and Medical Comorbidities Associated with Obstructive Sleep Apnea. Otolaryngol Head Neck Surg. 2012 Sep 5. [Epub ahead of print]


He XZ. Diabetes preventive services and policy implications in the United States. Diabetes Care. 2010 Sep 15. [Epub ahead of print]


Robison LM, Skaer TL, Sclar DA, Galin RS. Is attention deficit hyperactivity disorder increasing among girls in the US?: Trends in diagnosis and the prescribing of stimulants. CNS Drugs 2002;16(2):129-137


4c. REASON FOR VISIT, DIAGNOSIS - OTHER PUBLICATIONS USING NAMCS DATA


5a. DIAGNOSTIC, SCREENING, and PREVENTIVE SERVICES, NONMEDICATION THERAPY - NCHS REPORTS

State Variation in Preventive Care Visits, by Patient Characteristics, 2012 [Data Brief, No. 234]
Physiotherapy Visits: 1980-81 [ADR No. 120]
Office Visits Involving X-Rays: 1977 [ADR No. 53]

5b. DIAGNOSTIC, SCREENING, and PREVENTIVE SERVICES, NONMEDICATION THERAPY - JOURNAL ARTICLES USING NAMCS DATA


Patel CG, Trivedi S, Tao G. The proportion of young women tested for chlamydia who had urogenital symptoms in physician offices. Sex Transm Dis. 2018 Apr 17. doi: 10.1097/OLQ.0000000000000858. [Epub ahead of print]


Rogers E, Sherman S. Tobacco Use Screening and Treatment by Outpatient Psychiatrists Before and After Release of the American Psychiatric Association Treatment Guidelines for Nicotine Dependence.

Yamamoto A, McCormick MC, Burris HH. US Provider-Reported Diet and Physical Activity Counseling to Pregnant and Non-pregnant Women of Childbearing Age During Preventive Care Visits. Matern Child Health J. 2013 Dec 5. [Epub ahead of print]


Mojtabai R. Does Depression Screening Have an Effect on the Diagnosis and Treatment of Mood Disorders in General Medical Settings? An Instrumental Variable Analysis of the National Ambulatory Medical Care Survey. Med Care Res Rev. 2011 Mar 21. [Epub ahead of print]


Parnes B, Main DS, Holcomb S, Pace W. Tobacco cessation counseling among underserved patients: A report from CaReNet. Journal of Family Practice 51: (1) 65-69 Jan 2002


Harris MI. Frequency of oral glucose tolerance testing in the U.S. Diabetes Care January 1995.
Harris MI, Modan M. Screening for NIDDM: why is there no national program? Diabetes Care 17:585-591, 1994.


Harris MI, Eastman RC, Siebert C. The DCCT and medical care for diabetes in the U.S. Diabetes Care 17:761-64. 1994.


6a. MEDICATION THERAPY - NCHS REPORTS

Medication Therapy in Ambulatory Medical Care: National Ambulatory Medical Care Survey and National Hospital Ambulatory Medical Care Survey, 1992 [ADR No. 290]
Drug Utilization in Office Practice, 1990 [ADR No. 232]
Utilization of Controlled Drugs in Ambulatory Care, 1985 [ADR No. 177]
Highlights of Drug Utilization in Office Practice: 1985 [ADR No. 134]
The Management of Chronic Pain: 1980-81 [ADR No. 123]
Use of Antimicrobial Drugs in Office Practice: 1980-81 [Series 13, No. 85]
Use of Topical Antimicrobial Drugs: 1980-81 [ADR No. 106]
The Management of New Pain in Office-based Ambulatory Care: 1980-81 [ADR No. 97]
The Utilization of Analgesic Drugs in Office-based Practice: 1980-81 [ADR No. 96]
Utilization of Psychotropic Drugs in Office-based Care: 1980-81 [ADR No. 90]
Drugs Most Frequently Used in Office Practice: 1981 [ADR, No. 89]
Drug Utilization in General and Family Practice by Characteristics of Physicians and Office Visits: 1980 [ADR, No. 87]
Medication Therapy in Office Visits for Selected Diagnoses: 1980 [Series 13, No. 71]
Drug Utilization in Office Visits to Primary Care Physicians: 1980 [ADR No. 86]
Drug Utilization in Office Practice by Age and Sex of the Patient: 1980 [ADR No. 81]
Medication Therapy in Visits for Hypertension: 1980 [ADR No. 80]
Drugs Most Frequently Used in Office-based Practice: 1980 [ADR No. 78]
Drug Utilization in Office-based Practice, A Summary of Findings: 1980 [Series 13, No. 65]

6b. MEDICATION THERAPY – BOOKS USING NAMCS DRUG DATA


6c. MEDICATION THERAPY - JOURNAL ARTICLES USING NAMCS DRUG DATA


Lau DT. Is prescribing by PAs and NPs comparable to physician prescribing? JAAPA. 2019 Feb;32(2):52.


Chapman SA, St Hill CA, Little MM, Swanoski MT, Scheiner SR, Ware KB, Lutfiyya MN. Adherence to treatment guidelines: the association between stroke risk stratified comparing CHADS2 and CHA2DS2-VASc score levels and warfarin prescription for adult patients with atrial fibrillation. BMC Health Serv Res. 2017 Feb 11;17(1):127. doi: 10.1186/s12913-017-0256-6.


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Cheung R, Mannalithara A, Singh G. Utilization and Antiviral Therapy in Patients with Chronic Hepatitis C: Analysis of Ambulatory Care Visits in the US. Dig Dis Sci. 2010 Feb 26. [Epub ahead of print]


Lamont EB, Dias LE, Lauderdale DS. NSAIDs and Colorectal Cancer Risk: Do Administrative Data Support a Chemopreventive Effect? J Gen Intern Med. 2007 Jun 19; [Epub ahead of print]


Lin SJ, Lambert B, Tan H, Toh S. Frequency estimates from prescription drug datasets (revision of #04-11-066A). Pharmacoepidemiol Drug Saf. 2005 Sep 1; [Epub ahead of print]


Daumit GL, Crum RM, Guallar E, Powe NR, Primm AB, Steinwachs DM, Ford DE. Outpatient prescriptions for atypical antipsychotics for African-Americans, hispanics, and whites in the United States. Arch Gen Psychiatry 2003 Feb;60(2):121-8


Aparasu RR, Helgeland DL. Utilization of ambulatory care services caused by adverse effects of medications in the United States. Managed Care Interface April 2000, 70-74.


Schwartz BS, Mainous AG, Marcy AM. Why do physicians prescribe antibiotics for children with upper respiratory tract infections? JAMA 1998; 279:881-882. [editorial accompanying Nyquist et al. and containing substantial references to NAMCS data.]


Hohmann AA. Gender bias in psychotropic drug prescribing in primary care. Med Care 1989; 27;478-490.


7a. OTHER CHARACTERISTICS OF OFFICE VISITS - NCHS REPORTS

Nurse Practitioners, Certified Nurse Midwives, and Physician Assistants in Physician Offices (Data from the 2009 NAMCS) [Data Brief No. 69]
Characteristics of prepaid plan visits to office-based physicians: 1991 [ADR No. 269]

7b. OTHER CHARACTERISTICS OF OFFICE VISITS - JOURNAL ARTICLES USING NAMCS DATA


Kurtzman ET, Barnow BS. A Comparison of Nurse Practitioners, Physician Assistants, and Primary Care Physicians' Patterns of Practice and Quality of Care in Health Centers. Med Care. 2017 Feb 23. doi: 10.1097/MLR.0000000000000689. [Epub ahead of print]


Tsai AG, Abbo ED, Ogden LG. The Time Burden of Overweight and Obesity in Primary Care. BMC Health Serv Res. 2011 Aug 17;11(1):191. [Epub ahead of print]


Hu P, Rueben DB. Effects of managed care on the length of time that elderly patients spend with physicians during ambulatory visits. Medical Care 2002 40(7):606-13


Forrest CB, Reid RJ. Passing the baton: HMOs' influence on referrals to specialty care. Health Affairs 1997; 16:157-162.

8a. METHODOLOGY - NCHS REPORTS


Effects of Form Length and Item Format on Response Patterns and Estimates of Physician Office and Hospital Outpatient Department Visits--National Ambulatory Medical Care Survey and National Hospital Ambulatory Medical Care Survey, 2001. [Series 2, No. 139]

Sample Design, Sampling Variance, and Estimation Procedures [Series 2, No. 108]
The Collection and Processing of Drug Information: 1980 [Series 2, No. 90]
A Reason for Visit Classification for Ambulatory Care, 1977 [Series 2, No. 78]
Symptom Classification [Series 2, No. 63]
Background and Methodology [Series 2, No. 61]

8b. METHODOLOGY - JOURNAL ARTICLES USING NAMCS DATA


8c. METHODOLOGY - OTHER PUBLICATIONS USING NAMCS DATA


9a. PROVIDER CHARACTERISTICS – NCHS REPORTS

(NOTE: This topic differs from “Section 2, Physician Specialty, Practice Characteristics” in that it focuses on data at the provider level rather than the visit level.)


State Variation in Electronic Sharing of Information in Physician Offices: United States, 2015 [Data Brief No. 261]
State Variability in Supply of Office-based Primary Care Providers: United States, 2012 [Data Brief No. 151]
Trends in Electronic Health Record System Use Among Office-based Physicians: United States, 2007–2012 [PDF - 350 KB] [NHSR No. 75]
b. PROVIDER CHARACTERISTICS – JOURNAL ARTICLES USING NAMCS DATA


Lau DT. Is prescribing by PAs and NPs comparable to physician prescribing? JAPA. 2019 Feb;32(2):52.


Bae J, Hockenberry JM, Rask KJ, Becker ER. Evidence that electronic health records can promote physician counseling for healthy behaviors. Health Care Manage Rev. 2016 Apr 5. [Epub ahead of print]

Hsiao C-J, King J, Hing E, Simon AE. The Role of Health Information Technology in Care Coordination in the United States. Medical Care. 2015 Feb; 53(2): 184-190.

Decker SL. Acceptance of New Medicaid Patients by Primary Care Physicians and Experiences with Physician Availability among Children on Medicaid or the Children's Health Insurance Program. Health Serv Res. 2015 Feb 13. doi: 10.1111/1475-6773.12288. [Epub ahead of print]


Sciamauna CN, Rogers ML, Shenassa ED, Houston TK. Patient Access to U.S. Physicians Who Conduct Internet or E-mail Consults. J Gen Intern Med. 2007 Mar;22(3):378-81.
1a. NCHS SUMMARY REPORTS and DATA BRIEFS

NOTE: Beginning with 2008 NHAMCS data, the traditional summary reports are no longer available. Instead, short reports featuring new data focused on a particular topic are being published in the NCHS Data Brief series. Also available at the NAMCS/NHAMCS website are web tables, starting with 2008 data, which include many of the tables previously published in the annual summary reports. The NCHS summary reports and data briefs cited below can be found here.

Data Briefs


Expected Source of Payment at Emergency Department Visits for Adults Aged 18-64 for the United States and in the Five Most Populous States, 2012 [Data Brief No. 253]

Emergency Department Use in the Country's Five Most Populous States and the Total United States, 2012. [Data Brief No. 252]

Emergency Department Visits Related to Schizophrenia Among Adults Aged 18-64: United States, 2009-2011. [Data Brief No. 215]

Emergency Department Visits for Drug Poisoning: United States, 2008–2011 [Data Brief No. 196]

Trends in Emergency Department Visits for Ischemic Stroke and Transient Ischemic Attack: United States, 2001–2011 [Data Brief No. 194]

Emergency Department Visits and Proximity to Patients' Residences, 2009–2010 [Data Brief No. 192]

Progress with Electronic Health Record Adoption Among Emergency and Outpatient Departments: United States, 2006-2011 [Data Brief No. 187]

Emergency department visits for motor vehicle traffic injuries: United States, 2010-2011. [Data Brief No. 185]
Injury-related Emergency Department Visits by Children and Adolescents: United States, 2009–2010 [Data Brief No. 150]

Emergency Department Visits by Persons Aged 65 and Over: United States, 2009–2010 [Data Brief No. 130]

Wait Time for Treatment in Hospital Emergency Departments: 2009 [Data Brief No. 102]

Blood Pressure Measurements at Emergency Department Visits by Adults: United States, 2007–2008 [Data Brief No. 72]

Physician Assistant and Advance Practice Nurse Care in Hospital Outpatient Departments: United States, 2008-2009. [Data Brief No. 77]

Visits to Primary Care Delivery Sites: United States, 2008 [Data Brief No. 47]

Emergency Department Visits for Chest Pain and Abdominal Pain: United States, 1999-2008 [Data Brief No. 43]

Emergency Department Visitors and Visits: Who Used the Emergency Room in 2007? [Data Brief, No. 38]

Health Care Utilization Among Adults Aged 55-64 Years: How Has It Changed Over the Past 10 Years? [Data Brief No. 32]

Summary Reports


Ambulatory Medical Care Utilization Estimates for 2007 [Series 13 No. 169]

National Hospital Ambulatory Medical Care Survey: 2007 emergency department summary [NHSR No. 26]

National Hospital Ambulatory Medical Care Survey: 2006 Outpatient Department Summary [NHSR No. 4]

National Hospital Ambulatory Medical Care Survey: 2006 Emergency Department Summary [NHSR No. 7]

Ambulatory Medical Care Utilization Estimates for 2006 [NHSR No. 8]

National Hospital Ambulatory Medical Care Survey: 2005 Outpatient Department Summary [ADR No. 389]

Ambulatory Medical Care Utilization Estimates for 2005 [ADR. No. 388]

National Hospital Ambulatory Medical Care Survey: 2005 Emergency Department Summary [ADR No. 386]
Medication Therapy in Ambulatory Medical Care: United States, 2003-04 [Series 13, No. 163]

National Hospital Ambulatory Medical Care Survey: 2004 Emergency Department Summary [ADR No. 372]
National Hospital Ambulatory Medical Care Survey: 2004 Outpatient Department Summary [ADR No. 373]
Ambulatory Care Visits to Physician Offices, Hospital Outpatient Departments, and Emergency Departments: United States, 2001-2002 [Series 13, No.159]
National Hospital Ambulatory Medical Care Survey: 2003 Outpatient Department Summary [ADR No. 366]
National Hospital Ambulatory Medical Care Survey: 2003 Emergency Department Summary [ADR No. 358]
Ambulatory Care Visits to Physician Offices, Hospital Outpatient Departments, and Emergency Departments: United States, 1999-2000 [Series 13, No. 157]
National Hospital Ambulatory Medical Care Survey: 2002 Outpatient Department Summary [ADR No. 345]
Characteristics of Emergency Departments Serving High Volumes of Safety-Net Patients: United States, 2000 [Series 13, No. 155]
National Hospital Ambulatory Medical Care Survey: 2002 Emergency Department Summary [ADR No. 340]
National Hospital Ambulatory Medical Care Survey: 2001 Outpatient Department Summary [ADR No. 338]
National Hospital Ambulatory Medical Care Survey: 2001 Emergency Department Summary [ADR No. 335]
National Hospital Ambulatory Medical Care Survey: 2000 Outpatient Department Summary [ADR No. 327]
National Hospital Ambulatory Medical Care Survey: 2000 Emergency Department Summary [ADR No. 326]
Trends in Hospital Emergency Department Utilization: United States, 1992-99 [Series 13, No. 150]
National Hospital Ambulatory Medical Care Survey: 1999 Outpatient Department Summary [ADR No. 321]
National Hospital Ambulatory Medical Care Survey: 1999 Emergency Department Summary [ADR No. 320]
National Hospital Ambulatory Medical Care Survey: 1998 Outpatient Department Summary [ADR No. 317]
National Hospital Ambulatory Medical Care Survey: 1998 Emergency Department Summary [ADR No. 313]
Ambulatory Care Visits to Physician Offices, Hospital Outpatient Departments, and Emergency Departments: United States, 1997 [Series 13, No. 143]
National Hospital Ambulatory Medical Care Survey: 1997 Outpatient Department Summary [ADR No. 307]
National Hospital Ambulatory Medical Care Survey: 1997 Emergency Department Summary [ADR No. 304]
Ambulatory Care Visits to Physician Offices, Hospital Outpatient Departments, and Emergency Departments: United States, 1996 [Series 13, No. 134]
National Hospital Ambulatory Medical Care Survey: 1996 Outpatient Department Summary [ADR No. 294]
National Hospital Ambulatory Medical Care Survey: 1996 Emergency Department Summary [ADR No.293]
Ambulatory Care Visits to Physician Offices, Hospital Outpatient Departments, and Emergency Departments: United States, 1995 [Series 13, No. 129]
National Hospital Ambulatory Medical Care Survey: 1995 Outpatient Department Summary. [ADR No. 284]
National Hospital Ambulatory Medical Care Survey: 1995 Emergency Department Summary [ADR No. 285]
National Hospital Ambulatory Medical Care Survey, 1992 Emergency Department Summary [Series 13, No.125]
National Hospital Ambulatory Medical Care Survey: 1994 Outpatient Department Summary. [ADR No. 276]
National Hospital Ambulatory Medical Care Survey: 1994 Emergency Department Summary [ADR No. 275]
National Hospital Ambulatory Medical Care Survey: 1993 Emergency Department Summary [ADR No. 271]
National Hospital Ambulatory Medical Care Survey: 1993 Outpatient Department Summary. [ADR No. 268]
National Hospital Ambulatory Medical Care Survey: 1992 Outpatient Department Summary. [ADR No. 248]
National Hospital Ambulatory Medical Care Survey: 1992 Emergency Department Summary. [ADR No. 245]

1b. SUMMARY REPORTS – JOURNAL ARTICLES USING NHAMCS DATA


2a. PATIENT CHARACTERISTICS - NCHS REPORTS

Injury-related Emergency Department Visits by Children and Adolescents: United States, 2009–2010 [Data Brief No. 150]
Blood Pressure Measurements at Emergency Department Visits by Adults: United States, 2007–2008 [Data Brief No. 72]
Emergency Department Visitors and Visits: Who Used the Emergency Room in 2007? [Data Brief, No. 38]
Health Care Utilization Among Adults Aged 55-64 Years: How Has It Changed Over the Past 10 Years? [Data Brief No. 32]
Burt CB, McCaig LF, Simon AE. Emergency department visits by persons recently discharged from U.S. hospitals. [NHSR No. 6]

2b. PATIENT CHARACTERISTICS - JOURNAL ARTICLES USING NHAMCS DATA

Pediatric Patients


Marcell AV, Klein JD, Fischer I, Allan MJ, Kokotailo PK. Male adolescent use of health care services: Where are the boys? Journal of Adolescent Health 30: (1) 35-43 JAN 2002


Adult Patients


### Elderly Patients


William J. Meurer, Tommy A. Potti, Kevin A. Kerber, Comilla Sasson, Michelle L. Macy, Brady T. West, Eve D. Losman. Potentially Inappropriate Medication Utilization in the Emergency Department Visits by Older Adults: Analysis From a Nationally Representative Sample (p 231-237) Published Online: Mar 1 2010 11:59AM


Shah MN, Bazarian JJ, Lerner EB, Fairbanks RJ, Barker WH, Auinger P, Friedman B. The Epidemiology of Emergency Medical Services Use by Older Adults: An Analysis of the National Hospital Ambulatory Medical Care Survey. Acad Emerg Med 2007 May;14(5): 441-447.


Gender


**Race/Ethnicity**


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**Homeless Patients**


Patients with Diabetes


Patients with Other Conditions


Moore HN, Mao L, Oramasionwu CU. Factors associated with polypharmacy and the prescription of multiple medications among persons living with HIV (PLWH) compared to non-PLWH. AIDS Care. 2015 Nov 26:1-6. [Epub ahead of print] (NHAMCS)

Ho CK, Maselli JH, Terrault NA, Gonzales R. High Rate of Hospital Admissions Among Patients with Cirrhosis Seeking Care in US Emergency Departments. Dig Dis Sci. 2015 Feb 28. [Epub ahead of print]


Cheung R, Mannalithara A, Singh G. Utilization and Antiviral Therapy in Patients with Chronic Hepatitis C: Analysis of Ambulatory Care Visits in the US. Dig Dis Sci. 2010 Feb 26. [Epub ahead of print]


**Patient Insurance**


Other Patient Characteristics


2c. PATIENT CHARACTERISTICS - OTHER PUBLICATIONS USING NHAMCS DATA


3a. REASON FOR VISIT, DIAGNOSIS - NCHS REPORTS

Emergency Department Visits Related to Schizophrenia Among Adults Aged 18–64: United States, 2009–2011 [Data Brief No. 215]
Emergency Department Visits for Drug Poisoning: United States, 2008–2011 [Data Brief No. 196]
Emergency Department Visits for Chest Pain and Abdominal Pain: United States, 1999-2008 [Data Brief No. 43]
Injury Visits to Hospital Emergency Departments: United States, 1992-1995 [Series 13, No. 131]
Injury-related Visits to Hospital Emergency Departments: United States, 1992 [ADR No. 261]
Drug- and Alcohol-Related Visits to Hospital Emergency Departments, 1992 [ADR No. 251]

3b. REASON FOR VISIT, DIAGNOSIS - JOURNAL ARTICLES USING NHAMCS DATA


Roditi RE, Veling M, Shin JJ. Age: An effect modifier of the association between allergic rhinitis and Otitis media with effusion. Laryngoscope. 2015 Sep 30. doi: 10.1002/lary.25682. [Epub ahead of print]


Asao K, McEwen LN, Lee JM, Herman WH. Ascertainment of outpatient visits by patients with diabetes: The National Ambulatory Medical Care Survey (NAMCS) and the National Hospital Ambulatory Medical Care Survey (NHAMCS). J Diabetes Complications. 2015 Apr 7. pii: S1056-8727(15)00115-4. doi: 10.1016/j.diabcomp.2015.03.019. [Epub ahead of print]


Shih TY, Gaydos CA, Rothman RE, Hsieh YH. Poor Provider Adherence to the Centers for Disease Control and Prevention Treatment Guidelines in US Emergency Department Visits With a Diagnosis of Pelvic Inflammatory Disease. Sex Transm Dis. 2011 Feb 10. [Epub ahead of print]


Bekmezian A, Hersh AL, Maselli JH, Cabana MD. Pediatric Emergency Departments are More Likely Than General Emergency Departments to Treat Asthma Exacerbation With Systemic Corticosteroids. J Asthma. 2010 Nov 30. [Epub ahead of print]


Schuur JD, Justice A. Measuring Quality of Care in Syncope: Case Definition Affects Reported Electrocardiogram Use but Does Not Bias Reporting. Acad Emerg Med. 2008 Dec 6. [Epub ahead of print]


Pham JC, Kelen GD, Pronovost PJ. National Study on the Quality of Emergency Department Care in the Treatment of Acute Myocardial Infarction and Pneumonia. Acad Emer Med 2007; 14:856–863.


Straight JD, Heaton PC. Emergency department care for victims of sexual offense. Am J Health Syst Pharm. 2007 Sep 1;64(17):1845-50.


Kim SH, Boye M, Bhattacharyya SK, Coyne K, Dhawan R. Medical visits among adults with symptoms commonly associated with an overactive bladder. BJU Int. 2006 Mar;97(3):551-4.


Barbosa J, Pitts S, Bowron J. Geriatric Falls in the ED: A 7-year Longitudinal Analysis of the National Hospital Ambulatory Medical Care Survey. Acad Emerg Med 2002. 9: 385-a


Wright DW, Pitts SR, Ratcliff JJ, Patel MM. Perception of Stroke Acuity in US Emergency Departments. Acad Emerg Med 2003 May;10(5):492

LaValley JM, Crandall CS, Braude D. Nausea and Vomiting Management in US Emergency Departments. Acad Emerg Med 2003 May;10(5):461


Oster, A, Bindman AB. Emergency department visits for ambulatory sensitive conditions: Insights into preventable hospitalizations. Med Care 2003; 41:198-207. (Also see commentary by Kellerman AL, Haley L, Jr. Hospital emergency departments: where the doctor is always “in”. Med Care 2003; 41:195-197.)


4a. DIAGNOSTIC, SCREENING, and PREVENTIVE SERVICES, NONMEDICATION THERAPY – NCHS REPORTS

Blood pressure measurements at emergency department visits by adults: United States, 2007-2008 [Data Brief, No. 72]

4b. DIAGNOSTIC, SCREENING, and PREVENTIVE SERVICES, NONMEDICATION THERAPY - JOURNAL ARTICLES USING NHAMCS DATA


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Yamamoto A, McCormick MC, Burris HH. US Provider-Reported Diet and Physical Activity Counseling to Pregnant and Non-pregnant Women of Childbearing Age During Preventive Care Visits. Matern Child Health J. 2013 Dec 5. [Epub ahead of print]


5a. PROVIDERS SEEN – NCHS REPORTS

**Physician Assistant and Advance Practice Nurse Care in Hospital Outpatient Departments: United States, 2008-2009.** [Data Brief No. 77]

5b. PROVIDERS SEEN - JOURNAL ARTICLES USING NHAMCS DATA


Lau DT. Is prescribing by PAs and NPs comparable to physician prescribing? JAAPA. 2019 Feb;32(2):52.


Mills AC, McSweeney M. Nurse practitioners and physician assistants revisited: Do their practice patterns differ in ambulatory care? J Prof Nurs 2002 Jan-Feb;18(1):36-46

Hachmuth FA, Hootman JM. What impact on PA education? A snapshot of ambulatory care visits involving PAs. JAAPA 2001 Dec;14(12):22-4, 27-38; quiz 49-50


6a. MEDICATION THERAPY - NCHS REPORTS

Medication therapy in ambulatory medical care: National Ambulatory Medical Care Survey and National Hospital Ambulatory Medical Care Survey, 1992 [ADR No. 290]
6b. MEDICATION THERAPY - JOURNAL ARTICLES USING NHAMCS DATA


Lau DT. Is prescribing by PAs and NPs comparable to physician prescribing? JAAPA. 2019 Feb;32(2):52.


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William J. Meurer, Tommy A. Potti, Kevin A. Kerber, Comilla Sasson, Michelle L. Macy, Brady T. West, Eve D. Losman. Potentially Inappropriate Medication Utilization in the Emergency Department Visits by Older Adults: Analysis From a Nationally Representative Sample (p 231-237) Published Online: Mar 1 2010 11:59AM

Cheung R, Mannalithara A, Singh G. Utilization and Antiviral Therapy in Patients with Chronic Hepatitis C: Analysis of Ambulatory Care Visits in the US. Dig Dis Sci. 2010 Feb 26. [Epub ahead of print]


Ritsema TS, Kelen GD, Pronovost PJ, Pham JC. The National Trend in Quality of Emergency Department Pain Management for Long Bone Fractures. Acad Emerg Med. 2006 Dec 27; [Epub ahead of print]


Lin SJ, Lambert B, Tan H, Toh S. Frequency estimates from prescription drug datasets (revision of #04-11-066A). Pharmacoepidemiol Drug Saf. 2005 Sep 1; [Epub ahead of print]


Caterino JM. Administration of inappropriate medications to elderly emergency department patients: results of a national survey. Acad Emerg Med 2003 May;10(5):493-4


Daumit GL, Crum RM, Guallar E, Powe NR, Primm AB, Steinwachs DM, Ford DE. Outpatient prescriptions for atypical antipsychotics for african americans, hispanics, and whites in the United States. Arch Gen Psychiatry 2003 Feb;60(2):121-8

Rovi S, Shimoni N. Prophylaxis provided to sexual assault victims seen at US emergency departments. J Am Med Womens Assoc 2002 Fall;57(4):204-7


Aparasu RR, Helgeland DL. Utilization of ambulatory care services caused by adverse effects of medications in the United States. Managed Care Interface April 2000, 70-74.


7a. OTHER CHARACTERISTICS OF HOSPITAL OUTPATIENT AND EMERGENCY DEPARTMENT VISITS – NCHS REPORTS

Wait Time for Treatment in Hospital Emergency Departments: 2009 [Data Brief No. 102]

7b. OTHER CHARACTERISTICS OF HOSPITAL OUTPATIENT AND EMERGENCY DEPARTMENT VISITS - JOURNAL ARTICLES USING NHAMCS DATA


Wu BU, Banks PA, Conwell DL. Disparities in Emergency Department Wait Times for Acute Gastrointestinal Illnesses: Results From the National Hospital Ambulatory Medical Care Survey, 1997-2006. Am J Gastroenterol. 2009 May 12. [Epub ahead of print]


Adekoya N. Patients seen in emergency departments who had a prior visit within the previous 72 hours-National Hospital Ambulatory Medical Care Survey, 2002. Public Health. 2005 Jul 26; [Epub ahead of print]


8a. METHODOLOGY - NCHS REPORTS

Effects of Form Length and Item Format on Response Patterns and Estimates of Physician Office and Hospital Outpatient Department Visits--National Ambulatory Medical Care Survey and National Hospital Ambulatory Medical Care Survey, 2001. [Series 2, No. 139]
Plan and Operation of the National Hospital Ambulatory Medical Care Survey [Series 1, No. 34]

8b. METHODOLOGY – JOURNAL ARTICLES USING NHAMCS DATA


Note: The next study did not directly analyze NHAMCS data, but used 2008 NHAMCS-ED data to construct an average length of stay for use with their analysis of collected daily “door to room” interval averages from the ED information system, Meditech:


Hakenewerth AM, Waller AE, Ising AI, Tintinalli JE. North Carolina Disease Event Tracking and Epidemiologic Collection Tool (NC DETECT) and the National Hospital Ambulatory Medical Care Survey (NHAMCS): Comparison of Emergency Department Data. Acad Emerg Med. 2008 Dec 30. [Epub ahead of print]


8c. METHODOLOGY - OTHER PUBLICATIONS USING NHAMCS DATA


9a. FACILITY CHARACTERISTICS - NCHS REPORTS

Availability of pediatric services and equipment in emergency departments: United States, 2006. [NHSR No. 47]
Use of electronic medical records by ambulatory care providers: United States, 2006. [NHSR No. 22]
Training for terrorism-related conditions in hospitals: United States, 2003-04 [ADR No. 380]
Availability of pediatric services and equipment in emergency departments: United States, 2002-03. [ADR No. 367]
Use of computerized clinical support systems in medical settings: United States, 2001-03 [ADR No. 353]


Selck FW, Decker SL. Health Information Technology Adoption in the Emergency Department. Health Serv Res. 2015 Apr 8. doi: 10.1111/1475-6773.12307. [Epub ahead of print]


Landman AB, Bernstein SL, Hsiao AL, Desai RA. Emergency department information system adoption in the United States. Acad Emerg Med. 2010 May;17(5):536-44.


10a. MISCELLANEOUS - OTHER PUBLICATIONS USING NHAMCS DATA