# ATTACHMENT B: List of Publications National Hospital Ambulatory Medical Care Survey

#### **1a. NHAMCS SUMMARY REPORTS**

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

Owens PL, Barrett ML, Gibson TB, Andrews RM, Weinick RM, Mutter RL. Emergency Department Care in the United States: A Profile of National Data Sources. Ann Emerg Med. 2010 Jan 12. [Epub ahead of print]

Pitts SR, Carrier ER, Rich EC, Kellerman AL. Where Americans Get Acute Care: Increasingly, It's Not At Their Doctor's Office. *Health Affairs*, 29, no. 9 (2010): 1620-1629. doi: 10.1377/hlthaff.2009.1026

Tang N, Stein J, Hsia RY, Maselli JH, Gonzales R. Trends and characteristics of US emergency department visits, 1997-2007. JAMA. 2010 Aug 11;304(6):664-70.

## 2a. PATIENT CHARACTERISTICS - NCHS REPORTS

Burt CB, McCaig LF, Simon AE. Emergency department visits by persons recently discharged from U.S. hospitals. [NHSR No. 6] Brett KM, Burt CW. Utilization of ambulatory medical care by women: United States, 1997-98. Vital Health Stat 13(149). 2001. Freid VM, Makuc DM, Rooks RN. Ambulatory health care visits by children: principal diagnosis and place of visit. Vital Health Stat 13(137). 1998.

Wagener DK, Walstedt J, Jenkins L, Burnett C et al. Women: Work and Health. Vital Health Stat 3(31). 1997.

#### **2b. PATIENT CHARACTERISTICS - JOURNAL ARTICLES USING NHAMCS DATA**

Richards ME, Hubble MW, Zwehl-Burke S. "Inappropriate" pediatric emergency medical services utilization redefined. Pediatr Emerg Care. 2011 Jun;27(6):514-8.

Paul IM, Maselli JH, Hersh AL, Boushey HA, Nielson DW, Cabana MD. Antibiotic Prescribing During Pediatric Ambulatory Care Visits for Asthma. Pediatrics. 2011 May 23. [Epub ahead of print]

Rost K, Hsieh YP, Xu S, Harman J. Gender Differences in Hospitalization After Emergency Room Visits for Depressive Symptoms. J Womens Health (Larchmt). 2011 Mar 21. [Epub ahead of print]

Bekmezian A, Chung PJ, Cabana MD, Maselli JH, Hilton JF, Hersh AL. Factors Associated With Prolonged Emergency Department Length of Stay for Admitted Children. Pediatr Emerg Care. 2011 Jan 18. [Epub ahead of print]

Shapiro DJ, Gonzales R, Cabana MD, Hersh AL. National trends in visit rates and antibiotic prescribing for children with acute sinusitis. Pediatrics. 2011 Jan;127(1):28-34. Epub 2010 Dec 27.

Patel AI, Madsen KA, Maselli JH, Cabana MD, Stafford RS, Hersh AL.Underdiagnosis of Pediatric Obesity during Outpatient Preventive Care Visits. Acad Pediatr. 2010 November - December;10(6):405-409.

Shih TY, Chen KF, Rothman R, Hsieh YH. US national estimation of emergency department utilization by patients given 'HIV/AIDSrelated illness' as their primary diagnosis. HIV Med. 2010 Nov 8. doi: 10.1111/j.14681293.2010.00888.x. [Epub ahead of print] Hampton H. Experts Predict Visits by Baby Boomers Will Soon Strain Emergency Departments. JAMA. 2008;299(22):2613-2614 (doi:10.1001/jama.299.22.2613)

Hambrook JT, Kimball TR, Khoury P, Cnota J. Disparities exist in the emergency department evaluation of pediatric chest pain. Congenit Heart Dis. 2010 May-Jun;5(3):285-91.

Squire BT, Tamayo A, Tamayo-Sarver JH. At-Risk Populations and the Critically Ill Rely Disproportionately on Ambulance Transport to Emergency Departments. Ann Emerg Med. 2010 Jun 14. [Epub ahead of print]

Karve SJ, Balkrishnan R, Mohammad YM, Levine DA. Racial/Ethnic Disparities in Emergency Department Waiting Time for Stroke Patients in the United States. J Stroke Cerebrovasc Dis. 2010 Jun 8. [Epub ahead of print]

Ku BS, Scott KC, Kertesz SG, Pitts SR. Factors associated with use of urban emergency departments by the U.S. homeless population. Public Health Rep. 2010 May-Jun;125(3):398-405.

Fortuna RJ, Robbins BW, Mani N, Halterman JS. Dependence on Emergency Care among Young Adults in the United States. J Gen Intern Med. 2010 Mar 20. [Epub ahead of print]

Adekoya N. Reasons for visits to emergency departments for Medicaid and State Children's Health Insurance Program patients: United States, 2004. N C Med J. 2010 Mar-Apr;71(2):123-30.

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

Burris HH, Werler MM. U.S. Provider Reported Folic Acid or Multivitamin Ordering for Non-Pregnant Women of Childbearing Age: NAMCS and NHAMCS, 2005-2006. Matern Child Health J. 2010 Mar 5. [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]

Branum AM, Lukacs SL. Food Allergy Among Children in the United States. Pediatrics. 2009 Nov 16. [Epub ahead of print] Stevens J, Harman J, Pakalnis A, Lo W, Prescod J. Sociodemographic Differences in Diagnosis and Treatment of Pediatric Headache. J Child Neurol. 2009 Oct 6. [Epub ahead of print]

Oates G, Tadros A, Davis SM. A comparison of National Emergency Department use by homeless versus non-homeless people in the United States. J Health Care Poor Underserved. 2009 Aug;20(3):840-5.

Linakis JG, Chun TH, Mello MJ, Baird J. Alcohol-related visits to the emergency department by injured adolescents: a national perspective. J Adolesc Health. 2009 Jul;45(1):84-90. Epub 2009 Feb 28.

Pont SJ, Grijalva CG, Griffin MR, Scott TA, Cooper WO. National Rates of Diarrhea-Associated Ambulatory Visits in Children. J Pediatr. 2009 Apr 23. [Epub ahead of print]

Pines JM, Russell Localio A, Hollander JE. Racial Disparities in Emergency Department Length of Stay for Admitted Patients in the United States. Acad Emerg Med. 2009 Feb 24. [Epub ahead of print]

Shafi S, Gentilello LM. Ethnic disparities in initial management of trauma patients in a nationwide sample of emergency department visits. Arch Surg. 2008 Nov;143(11):1057-61.

Suh DC, Lau H, Pokras SM, Choi IS, Valiyeva E. Sex differences in ambulatory visits for chronic obstructive pulmonary disease, based on the national ambulatory medical care survey and the national hospital ambulatory medical care survey from 1995 to 2004. Respir Care. 2008 Nov;53(11):1461-9.

Sonnenfeld N, Schappert SM, Lin SX. Racial and Ethnic Differences in Delivery of Tobacco-Cessation Services. Am J Prev Med. 2008 Oct 30. [Epub ahead of print]

Newton MF et al. Uninsured Adults Presenting to US Emergency Departments: Assumptions vs Data. JAMA. 2008;300(16):1914-1924.

Aparasu RR, Aparasu A. Hypertension management in outpatient visits by diabetic patients. Res Social Adm Pharm. 2008 Sep;4(3):284-91. Epub 2008 Aug 8.

Peek ME, Tang H, Alexander GC, Chin MH. National Prevalence of Lifestyle Counseling or Referral Among African-Americans and Whites with Diabetes. J Gen Intern Med. 2008 Aug 6. [Epub ahead of print]

Shah MN, Cushman JT, Davis CO, Bazarian JJ, Auinger P, Friedman B. The epidemiology of emergency medical services use by children: an analysis of the national hospital ambulatory medical care survey. Prehosp Emerg Care. 2008 Jul-Sep;12(3):269-76. Ginde AA, Espinola JA, Camargo CA Jr. Improved overall trends but persistent racial disparities in emergency department visits for acute asthma, 1993-2005. J Allergy Clin Immunol. 2008 Jun 4. [Epub ahead of print]

Bourgeois FT, Shannon MW, Stack AM. "Left Without Being Seen": A National Profile of Children Who Leave the Emergency Department Before Evaluation. Ann Emerg Med. 2008 Apr 30. [Epub ahead of print]

Roberts DC, McKay MP, Shaffer A. Increasing Rates of Emergency Department Visits for Elderly Patients in the United States, 1993 to 2003. Ann Emerg Med. 2008;51:769-774.

Keyhani S, Scobie JV, Hebert PL, McLaughlin MA. Gender disparities in blood pressure control and cardiovascular care in a national sample of ambulatory care visits. Hypertension. 2008 Apr;51(4):1149-55. Epub 2008 Feb 7

Adekoya N. Medicaid/State Children's Health Insurance Program Patients and Infectious Diseases Treated in Emergency Departments: U.S., 2003. 122(4): July/August 2007. 513-520.

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.

Bourgeois FT, Shannon MW. Emergency care for children in pediatric and general emergency departments. Pediatr Emerg Care. 2007 Feb;23(2):94-102.

Rand CM, Shone LP, Albertin C, Auinger P, Klein JD, Szilagyi PG. National health care visit patterns of adolescents: implications for delivery of new adolescent vaccines. Arch Pediatr Adolesc Med. 2007 Mar;161(3):252 9.

Grupp-Phelan J, Harman JS, Kelleher KJ. Trends in mental health and chronic condition visits by children presenting for care at U.S. emergency departments. Public Health Rep. 2007 Jan-Feb;122(1):55-61.

Alpern ER, Stanley RM, Gorelick MH, Donaldson A, Knight S, Teach SJ, Singh T, Mahajan P, Goepp JG, Kuppermann N, Dean JM, Chamberlain JM; Pediatric Emergency Care Applied Research Network. Epidemiology of a pediatric emergency medicine research network: the PECARN Core Data Project. Pediatr Emerg Care. 2006 Oct;22(10):689-99.

Simon TD, Bublitz Emsermann C, Dickinson LM, Hambidge SJ. Lower rates of emergency department injury visits among Latino children in the USA: no association with health insurance. Inj Prev. 2006 Aug;12(4):248-52.

Drendel AL, Brousseau DC, Gorelick MH. Pain assessment for pediatric patients in the emergency department. Pediatrics. 2006 May;117(5):1511-8.

Kimia A, Brownstein JS, Olson KL, Zak V, Bourgeois FT, Mandl KD. Lumbar Puncture Ordering and Results in the Pediatric Population: A Promising Data Source for Surveillance Systems. Acad Emerg Med. 2006 May 11; [Epub ahead of print]

Goldstein AB, Horwitz SM. Child and Adolescent Psychiatric Emergencies in Nonsuicide-specific Samples: The State of the Research Literature. Pediatr Emerg Care. 2006 May;22(5):379-384.

Simon TD, Bublitz C, Hambidge SJ.. Emergency Department Visits Among Pediatric Patients for Sports-related Injury: Basic Epidemiology and Impact of Race/Ethnicity and Insurance Status. Pediatr Emerg Care. 2006 May;22(5):309-315.

Fiscella K, Franks P. Does the content of primary care visits differ by the racial composition of physicians' practices? Am J Med. 2006 Apr;119(4):348-53.

Miller MR, Gergen P, Honour M, Zhan C. Burden of Illness for Children and Where We Stand in Measuring the Quality of This Health Care. Ambul Pediatr. 2005 September-October;5(5):268-278.

Ma J, Stafford RS. Quality of US outpatient care: temporal changes and racial/ethnic disparities. Arch Intern Med. 2005 Jun 27;165(12):1354-61.

Ma J, Wang Y, Stafford RS. U.S. adolescents receive suboptimal preventive counseling during ambulatory care. J Adolesc Health. 2005 May;36(5):441.

Holmes JS, Arispe IE, Moy E. Heart disease and prevention: race and age differences in heart disease prevention, treatment, and mortality. Med Care 2005;43: I-33-I-41)

James CA, Bourgeois FT, Shannon MW. Association of race/ethnicity with emergency department wait times. Pediatrics. 2005 Mar;115(3):e310-5.

Richardson J, Anderson T, Flaherty J, Bell C. The quality of mental health care for African Americans. Cult Med Psychiatry. 2003 Dec; 27(4): 487-98.

Tamayo-Sarver JH, Hinze SW, Cydulka RK, Baker DW. Racial and ethnic disparities in emergency department analgesic prescription. Am J Public Health. 2003 Dec; 93(12): 2067-73.

Bazarian JJ, Pope C, McClung J, Cheng YT, Flesher W. Ethnic and racial disparities in emergency department care for mild traumatic brain injury. Acad Emerg Med. 2003 Nov;10(11):1209-17.

Yen K, Kim M, Stremski ES, Gorelick MH. Effect of ethnicity and race on the use of pain medications in children with long bone fractures in the emergency department. Ann Emerg Med. 2003 Jul;42(1):41-7.

Sills MR, Bland SD. Summary Statistics for Pediatric Psychiatric Visits to US Emergency Departments, 1993-1999. Pediatrics 2002 Oct;110(4):E40-0

Salen PN, Arcona S., Luo RD, Belletti D, Tran D. How Do Prescription Patterns of Psychopharmacological Therapy for Schizophrenic Patients in the Emergency Department Affect Health Care Utilization? Acad. Emerg. Med. 2002 9: 391

Powell EC, Tanz RR. Adjusting our view of injury risk: the burden of nonfatal injuries in infancy. Pediatrics 2002 Oct;110(4):792-6. Arnold AL, Milner KA, Vaccarino V. Sex and race differences in electrocardiogram use (The National Hospital Ambulatory Medical Care Survey). American Journal of Cardiology, 88: (9) 1037 Nov 1 2001.

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

Marsh JV, Brett KM, Miller LC. Racial differences in hormone replacement therapy prescriptions. Obstet Gynecol. 1999 Jun; 93(6): 999-1003.

Ziv A, Boulet JR, Slap GB. Emergency department utilization by adolescents in the United States. Pediatrics 1998 Jun;101(6):987-994 Wofford JL, et al. Emergency department utilization by the elderly: an analysis of the National Hospital Ambulatory Medical Care Survey. Acad Emerg Med 1996. July; 3(7): 694-9.

Schappert SM. Race differences in the utilization of hospital emergency departments: Data from the National Hospital Ambulatory Medical Care Survey (NHAMCS), 1992. Statistical Bulletin Vol. 76, No. 3, Jul-Sep 1995, pp. 2-11.

## 2c. PATIENT CHARACTERISTICS - OTHER PUBLICATIONS USING NHAMCS DATA

Weiss, HB, Mathers LJ, Furjuoh SN, Kinnane JM. Child and Adolescent Emergency Department Visit Databook. Pittsburgh, Pennsylvania: Center for Violence and Injury Control, Allegheny University of the Health Sciences. 1997.

#### **3a. REASON FOR VISIT, DIAGNOSIS - NCHS REPORTS**

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

Valderrama AL, Fang J, Merritt RK, Hong Y. Cardiac arrest patients in the emergency department-National Hospital Ambulatory Medical Care Survey, 2001-2007. Resuscitation. 2011 Jun 12. [Epub ahead of print]

Yadav K, Cowan E, Wall S, Gennis P. Orbital fracture clinical decision rule development: burden of disease and use of a mandatory electronic survey instrument. Acad Emerg Med. 2011 Mar;18(3):313-6. doi: 10.1111/j.15532712.2011.01017.x. Epub 2011 Feb 25. Menchine MD, Wiechmann W, Peters AL, Arora S. Trends in diabetes-related visits to US EDs from 1997 to 2007. Am J Emerg Med. 2011 May 11. [Epub ahead of print]

Bhattacharyya N, Kepnes LJ. Initial Impact of the Acute Otitis Externa Clinical Practice Guideline on Clinical Care. Otolaryngol Head Neck Surg. 2011 Apr 29. [Epub ahead of print]

Huang SS, Johnson KM, Ray GT, Wroe P, Lieu TA, Moore MR, Zell ER, Linder JA, Grijalva CG, Metlay JP, Finkelstein JA. Healthcare utilization and cost of pneumococcal disease in the United States. Vaccine. 2011 Mar 10. [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]

Akinbami LJ, Moorman JE, Liu X. Asthma prevalence, health care use, and mortality: United States, 2005-2009. Natl Health Stat Report. 2011 Jan 12;(32):1-14.

Friedman BW, Chilstrom M, Bijur PE, Gallagher EJ. Diagnostic testing and treatment of low back pain in United States emergency departments: a national perspective. Spine (Phila Pa 1976). 2010 Nov 15;35(24):E1406-11.

Shehab N, Sperling LS, Kegler SR, Budnitz DS. National estimates of emergency department visits for hemorrhage-related adverse events from clopidogrel plus aspirin and from warfarin. Arch Intern Med. 2010 Nov 22;170(21):1926-33.

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] Weinick RM, Burns RM, Mehrotra A. Many Emergency Department Visits Could Be Managed At Urgent Care Centers And Retail

Clinics. <u>Health Affairs</u>, 29, no. 9 (2010): 1630-1636 doi: 10.1377/hlthaff.2009.0748

Meehan WP 3rd, Mannix R. Pediatric Concussions in United States Emergency Departments in the Years 2002 to 2006. J Pediatr. 2010 Aug 12. [Epub ahead of print]

Rudders SA, Espinola JA, Camargo CA Jr. North-south differences in US emergency department visits for acute allergic reactions. Ann Allergy Asthma Immunol. 2010 May;104(5):413-6.

Yusuf HR, Atrash HK, Grosse SD, Parker CS, Grant AM. Emergency department visits made by patients with sickle cell disease: a descriptive study, 1999-2007. Am J Prev Med. 2010 Apr;38(4 Suppl):S536-41.

Sacks JJ, Luo YH, Helmick CG. Prevalence of specific types of arthritis and other rheumatic conditions in the ambulatory health care system in the United States, 2001-2005. Arthritis Care Res (Hoboken). 2010 Apr;62(4):4604.

Wilper A, Woolhandler S, Himmelstein D, Nardin R. Impact of insurance status on migraine care in the United States: a populationbased study. Neurology. 2010 Apr 13;74(15):1178-83.

Barnes GD, Gafoor S, Wakefield T, Upchurch GR Jr, Henke P, Froehlich JB. National trends in venous disease. J Vasc Surg. 2010 Mar 19. [Epub ahead of print]

Flores AR, Szilagyi PG, Auinger P, Fisher SG. Estimated burden of rotavirus-associated diarrhea in ambulatory settings in the United States. Pediatrics. 2010 Feb;125(2):e191-8. Epub 2010 Jan 25.

Shah SS, Wood SM, Luan X, Ratner AJ. Decline in Varicella-Related Ambulatory Visits and Hospitalizations in the United States Since Routine Immunization Against Varicella. Pediatr Infect Dis J. 2009 Nov 25. [Epub ahead of print]

Sung VW, Raker CA, Myers DL, Clark MA. Ambulatory care related to female pelvic floor disorders in the United States, 1995-2006.Am J Obstet Gynecol. 2009 Aug 14. [Epub ahead of print]

Smith WM, Davidson TM, Murphy C. Regional variations in chronic rhinosinusitis, 2003-2006. Otolaryngol Head Neck Surg. 2009 Sep;141(3):347-52.

Ananthakrishnan AN, McGinley EL, Saeian K, Binion DG. Trends in Ambulatory and Emergency Room Visits for Inflammatory Bowel Diseases in the United States: 1994-2005. Am J Gastroenterol. 2009 Oct 6. [Epub ahead of print]

Newman-Toker DE, Camargo CA Jr, Hsieh YH, Pelletier AJ, Edlow JA. Disconnect between charted vestibular diagnoses and emergency department management decisions: a cross-sectional analysis from a nationally representative sample. Acad Emerg Med. 2009 Oct;16(10):970-7.

Panackal AA, Halpern EF, Watson AJ. Cutaneous fungal infections in the United States: Analysis of the National Ambulatory Medical Care Survey (NAMCS) and National Hospital Ambulatory Medical Care Survey (NHAMCS), 1995-2004. Int J Dermatol. 2009 Jul;48(7):704-12.

Btoush R, Campbell JC, Gebbie KM. Care provided in visits coded for intimate partner violence in a national survey of emergency departments. Womens Health Issues. 2009 Jul-Aug;19(4):253-62.

Pines JM. Trends in the rates of radiography use and important diagnoses in emergency department patients with abdominal pain. Med Care. 2009 Jul;47(7):782-6.

Taira BR, Singer AJ, Thode HC Jr, Lee CC. National epidemiology of cutaneous abscesses: 1996 to 2005. Am J Emerg Med. 2009 Mar;27(3):289-92.

Pandya A, Larkin GL, Randles R, Beautrais AL, Smith RP. Epidemiological trends in psychosis-related Emergency Department visits in the United States, 1992-2001. Schizophr Res. 2009 Mar 19. [Epub ahead of print]

Decker SL, Schappert SM, Sisk JE. Use Of Medical Care For Chronic Conditions. Health Affairs, 28, no. 1 (2009): 26-35 doi: 10.1377/hlthaff.28.1.26

Knapp JF, Simon SD, Sharma V. Quality of care for common pediatric respiratory illnesses in United States emergency departments: analysis of 2005 National Hospital Ambulatory Medical Care Survey Data. Pediatrics. 2008 Dec;122(6):1165-70.

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]

Btoush R, Campbell JC, Gebbie KM. Visits coded as intimate partner violence in emergency departments: characteristics of the individuals and the system as reported in a national survey of emergency departments. J Emerg Nurs. 2008 Oct;34(5):419-27. Epub 2008

Tsai CL, Sobrino JA, Camargo Jr CA. National Study of Emergency Department Visits for Acute Exacerbation of Chronic Obstructive Pulmonary Disease, 1993-2005. Acad Emerg Med. 2008 Oct 25. [Epub ahead of print]

Taira BR, Singer AJ, Thode HC Jr, Lee C. Burns in the emergency department: A national perspective. J Emerg Med. 2008 Aug 30. [Epub ahead of print]

Hersh AL, Chambers HF, Maselli JH, Gonzales R. National trends in ambulatory visits and antibiotic prescribing for skin and softtissue infections. Arch Intern Med. 2008 Jul 28;168(14):1585-91.

Kerber KA et al. Dizziness Presentations in U.S. Emergency Departments, 1995–2004. Academic Emergency Medicine. 15(8): 744-750. Published Online: 14 Jul 2008.

Larkin GL, Smith RP, Beautrais AL. Trends in US emergency department visits for suicide attempts, 1992-2001. Crisis. 2008;29(2):73-80.

Pallin DJ, Goldstein JN, Moussally JS, Pelletier AJ, Green AR, Camargo CA Jr. Seizure visits in US emergency departments: epidemiology and potential disparities in care. Int J Emerg Med. 2008 Jun;1(2):97-105. Epub 2008 Jun 5.

Pallin DJ, Egan DJ, Pelletier AJ, Espinola JA, Hooper DC, Camargo CA Jr. Increased US emergency department visits for skin and soft tissue infections, and changes in antibiotic choices, during the emergence of community-associated methicillin-resistant Staphylococcus aureus. Ann Emerg Med. 2008 Mar;51(3):291-8. Epub 2008 Jan 28. Comment in: Ann Emerg Med. 2008 Mar;51(3):299-302.

Shah ND, Chitkara DK, Locke GR, Meek PD, Talley NJ. Ambulatory Care for Constipation in the United States, 1993-2004. Am J Gastroenterol. 2008 Jun 12. [Epub ahead of print]

Larkin GL, Southwick SM. Trends in U.S. emergency department visits for anxiety-related mental health conditions, 1992-2001.Smith RP, J Clin Psychiatry. 2008 Feb;69(2):286-94.

Eneli IU, Keast DR, Rappley MD, Camargo CA Jr. Adequacy of two ambulatory care surveillance systems for tracking childhood obesity practice patterns. Public Health. 2008 Feb 28 [Epub ahead of print]

Krishnan E, Lienesch D, Kwoh CK. Gout in ambulatory care settings in the United States. J Rheumatol. 2008 Mar;35(3):498-501. Epub 2008 Feb 1.

Richardson LC, Tangka FK. Ambulatory care for cancer in the United States: results from two national surveys comparing visits to physicians' offices and hospital outpatient departments. J Natl Med Assoc. 2007 Dec;99(12):1350-8.

Sacks JJ, Helmick CG, Luo YH, Ilowite NT, Bowyer S. Prevalence of and annual ambulatory health care visits for pediatric arthritis and other rheumatologic conditions in the United States in 2001-2004. Arthritis Rheum. 2007 Nov 29;57(8):1439-1445 [Epub ahead of print]

Ginde AA, Espinola JA, Camargo CA Jr. Trends and Disparities in U.S. Emergency Department Visits for Hypoglycemia, 1993 2005. Diabetes Care. 2007 Nov 19; [Epub ahead of print]

Moorman JE, Rudd RA, Johnson CA, King M, Minor P, Bailey C, Scalia MR, Akinbami LJ; Centers for Disease Control and Prevention (CDC). National surveillance for asthma--United States, 1980-2004. MMWR Surveill Summ. 2007 Oct 19;56(8):1-54. 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.

Horii KA, Simon SD, Liu DY, Sharma V. Atopic dermatitis in children in the United States, 1997-2004: visit trends, patient and provider characteristics, and prescribing patterns. Pediatrics. 2007 Sep;120(3):e527-34.

Fagenholz PJ, Sheridan RL, Harris NS, Pelletier AJ, Camargo CA Jr. National Study of Emergency Department Visits for Burn Injuries, 1993 to 2004. J Burn Care Res. 2007 Jul 27; [Epub ahead of print]

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

Sankaranarayanan J, Puumala SE. Epidemiology and characteristics of emergency departments visits by US adults with psychiatric disorder and antipsychotic mention from 2000 to 2004. Curr Med Res Opin. 2007 Jun;23(6):137585.

Wang HE, Shapiro NI, Angus DC, Yealy DM. National estimates of severe sepsis in United States emergency departments. Crit Care Med. 2007 Jun 19; [Epub ahead of print]

Gaeta TJ, Clark S, Pelletier AJ, Camargo CA. National study of US emergency department visits for acute allergic reactions, 1993 to 2004. Ann Allergy Asthma Immunol. 2007 Apr;98(4):360-5.

Murman DH, McDonald AJ, Pelletier AJ, Camargo CA Jr. U.S. Emergency Department Visits for Supraventricular Tachycardia, 1993-2003. Acad Emerg Med. 2007 Apr 20; [Epub ahead of print]

Li G, Lau JT, McCarthy ML, Schull MJ, Vermeulen M, Kelen GD. Emergency Department Utilization in the United States and Ontario, Canada. Acad Emerg Med. 2007 14(6): 582-584.

McDonald AJ, Pelletier AJ, Ellinor PT, Camargo Jr CA. Increasing US Emergency Department Visit Rates and Subsequent Hospital Admissions for Atrial Fibrillation from 1993 to 2004. Ann Emerg Med. 2007 Apr 26; [Epub ahead of print]

Sharp HJ, Denman D, Puumala S, Leopold DA. Treatment of acute and chronic rhinosinusitis in the United States, 1999-2002. Arch Otolaryngol Head Neck Surg. 2007 Mar;133(3):260-5.

Pezzin LE, Keyl PM, Green GB. Disparities in the emergency department evaluation of chest pain patients. Acad Emerg Med. 2007 Feb;14(2):149-56.

Taur Y, Smith MA. Adherence to the Infectious Diseases Society of America guidelines in the treatment of uncomplicated urinary tract infection. Clin Infect Dis. 2007 Mar 15;44(6):769-74. Epub 2007 Feb 1.

Fagenholz PJ, Fernandez-Del Castillo C, Harris NS, Pelletier AJ, Camargo CA Jr. National study of United States emergency department visits for acute pancreatitis, 1993-2003. BMC Emerg Med. 2007 Jan 22;7(1):1 [Epub ahead of print]

Riddle DL, Schappert SM. Volume and characteristics of inpatient and ambulatory medical care for neck pain in the United States: data from three national surveys. Spine. 2007 Jan 1;32(1):132-40; discussion 141.

McKenzie MS, McFarland BH. Trends in antidepressant overdoses. Pharmacoepidemiol Drug Saf. 2007 Jan 3; [Epub ahead of print] Qureshi AI, Ezzeddine MA, Nasar A, Suri MF, Kirmani JF, Hussein HM, Divani AA, Reddi AS. Prevalence of elevated blood pressure in 563704 adult patients with stroke presenting to the ED in the United States. Am J Emerg Med. 2007 Jan;25(1):32-8. Martin BC, Barghout V, Cerulli A. Direct medical costs of constipation in the United States. Manag Care Interface. 2006 Dec;19(12):43-9.

McCaig LF, McDonald LC, Mandal S, Jernigan DB. *Staphylococcus aureus*–associated skin and soft tissue infections in ambulatory care. Emerg Infect Dis. 2006 Nov. http://www.cdc.gov/ncidod/EID/vol12no11/06-0190.htm

Gao X, Outley J, Botteman M, Spalding J, Simon JA, Pashos CL. Economic burden of endometriosis.Fertil Steril. Dec;86(6):1561-72. Epub 2006 Oct 23.

Strehlow MC, Emond SD, Shapiro NI, Pelletier AJ, Camargo CA Jr. National study of emergency department visits for sepsis, 1992 to 2001. Ann Emerg Med. 2006 Sep;48(3):326-31, 331.e1-3. Epub 2006 Jun 22.

Sankaranarayanan J, Puumala SE, Kratochvil CJ. Diagnosis and treatment of adult attention-deficit/hyperactivity disorder at US ambulatory care visits from 1996 to 2003. Curr Med Res Opin. 2006 Aug;22(8):1475-91.

Liptak GS, Stuart T, Auinger P. Health Care Utilization and Expenditures for Children with Autism: Data from U.S. National Samples. J Autism Dev Disord. 2006 Jul 20; [Epub ahead of print]

Shaheen NJ, Hansen RA, Morgan DR, Gangarosa LM, Ringel Y, Thiny MT, Russo MW, Sandler RS. The Burden of Gastrointestinal and Liver Diseases, 2006. Am J Gastroenterol. 2006 Jul 18; [Epub ahead of print]

Claassen CA, Trivedi MH, Shimizu IM, Stewart S, Larkin GL, Litovitz T. "Epidemiology of Nonfatal Deliberate Self-Harm in the United States as Described in Three Medical Databases." Suicide and Life-Threatening Behavior 36(2) April 2006.

Goldstein JN, Camargo CA Jr, Pelletier AJ, Edlow JA. Headache in United States Emergency Departments: demographics, work-up and frequency of pathological diagnoses. Cephalalgia. 2006 Jun;26(6):684-690.

Edlow JA, Kim S, Pelletier AJ, Camargo CA Jr. National Study on Emergency Department Visits for Transient Ischemic Attack, 1992-2001. Acad Emerg Med. 2006 Apr 11; [Epub ahead of print]

Kunen S, Prejean C, Gladney B, Harper D, Mandry CV. Disposition of emergency department patients with psychiatric comorbidity: results from the 2004 National Hospital Ambulatory Medical Care Survey. Emerg Med J. 2006 Apr;23(4):274-5.

Brown J. Diagnostic and Treatment Patterns for Renal Colic in US Emergency Departments. Int Urol Nephrol. 2006;38(1):87-92. Singer AJ, Thode HC Jr, Hollander JE. National trends in ED lacerations between 1992 and 2002. Am J Emerg Med. 2006 Mar;24(2):183-8.

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.

McGwin G Jr, Hall TA, Xie A, Owsley C. Trends in eye injury in the United States, 1992-2001. Invest Ophthalmol Vis Sci. 2006 Feb;47(2):521-7.

Hugli O, Braun JE, Kim S, Pelletier AJ, Camargo CA Jr. United States emergency department visits for acute decompensated heart failure, 1992 to 2001. Am J Cardiol. 2005 Dec 1;96(11):1537-42. Epub 2005 Oct 19.

Betz ME, Li G. Epidemiologic patterns of injuries treated in ambulatory care settings. Ann Emerg Med. 2005 Dec;46(6):544-51. Epub 2005 Sep 26.

Gupta MA, Gupta AK, Chen SJ, Johnson AM. Comorbidity of rosacea and depression: an analysis of the National Ambulatory Medical Care Survey and National Hospital Ambulatory Care Survey--Outpatient Department data collected by the U.S. National Center for Health Statistics from 1995 to 2002. Br J Dermatol. 2005 Dec;153(6):1176-81.

Grant WC, Jhaveri RR, McHutchison JG, Schulman KA, Kauf TL. Trends in health care resource use for hepatitis C virus infection in the United States. Hepatology. 2005 Dec;42(6):1406-13.

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

Lee JW, Berkowitz Z, Saraiya M. Low-risk human papillomavirus testing and other nonrecommended human papillomavirus testing practices among U.S. Health care providers. Obstet Gynecol. 2011 Jul;118(1):4-13.

Stein JC, Jacoby VL, Vittinghoff E, Wang R, Kwan E, Reynolds T, McAlpine I, Gonzales R. Differential use of diagnostic ultrasound in U.S. Emergency departments by time of day. West J Emerg Med. 2011 Feb;12(1):90-5.

Larson DB, Johnson LW, Schnell BM, Goske MJ, Salisbury SR, Forman HP. Rising Use of CT in Child Visits to the Emergency Department in the United States, 1995-2008. Radiology. 2011 Apr 5. [Epub ahead of print]

Larson DB, Johnson LW, Schnell BM, Salisbury SR, Forman HP. National Trends in CT Use in the Emergency Department: 1995-2007. Radiology. 2010 Nov 30. [Epub ahead of print]

Korley FK, Pham JC, Kirsch TD. Use of advanced radiology during visits to US emergency departments for injury-related conditions, 1998-2007. JAMA. 2010 Oct 6;304(13):1465-71.

Kerber KA, Schweigler L, West BT, Fendrick AM, Morgenstern LB. Value of computed tomography scans in ED dizziness visits: analysis from a nationally representative sample. Am J Emerg Med. 2009 Sep 18. [Epub ahead of print]

Mannix R, Bourgeois FT, Schutzman SA, Bernstein A, Lee LK. Neuroimaging for pediatric head trauma: do patient and hospital characteristics influence who gets imaged? Acad Emerg Med. 2010 Jul;17(7):694-700.

Saraiya M, McCaig LF, Ekwueme DU. Ambulatory care visits for Pap tests, abnormal Pap test results, and cervical cancer procedures in the United States. Am J Manag Care. 2010 Jun 1;16(6):e137-44.

Schuur JD, Tibbetts SA, Pines JM. Pregnancy Testing in Women of Reproductive Age in US Emergency Departments, 2002 to 2006: Assessment of a National Quality Measure. Ann Emerg Med. 2009 Nov 20. [Epub ahead of print]

Merchant RC, Catanzaro BM. HV testing in US EDs, 1993-2004. Am J Emerg Med. 2009 Sep;27(7):868-74.

Metz SM, Raval M. Predictors of health education and nonmedication treatment in adult outpatients with diagnosed cardiac conditions. Prev Cardiol. 2009 Summer;12(3):144-8.

Hoover K, Tao G, Kent C. Low rates of both asymptomatic chlamydia screening and diagnostic testing of women in US outpatient clinics. Obstet Gynecol. 2008 Oct;112(4):891-8.

Hsieh YH, Rothman RE, Newman-Toker DE, Kelen GD. National estimation of rates of HIV testing in US emergency departments 1993-2005: baseline prior to the 2006 Centers for Disease Control and Prevention recommendations. AIDS. 2008 Oct 18;22(16):2127-34.

Branner CM, Koyama T, Jensen GL. Racial and ethnic differences in pediatric obesity-prevention counseling: national prevalence of clinician practices. Obesity (Silver Spring). 2008 Mar;16(3):690-4. Epub 2008 Jan 17.

Mehrotra A, Zaslavsky AM, Ayanian JZ. Preventive health examinations and preventive gynecological examinations in the United States. Arch Intern Med. 2007 Sep 24;167(17):1876-83.

McCaig LF, Clifford McDonald L, Cohen AL, Kuehnert MJ. Increasing Blood Culture Use at US Hospital Emergency Department Visits, 2001 to 2004. Ann Emerg Med. 2007 Mar 23; [Epub ahead of print]

Brown DW, Xie J, Mensah GA. Electrocardiographic recording and timeliness of clinician evaluation in the emergency department in patients presenting with chest pain. Am J Cardiol. 2007 Apr 15;99(8):1115-8. Epub 2007 Feb 21.

Larkin GL, Claassen C. Trends in emergency department use of gastric lavage for poisoning events in the United States, 1993-2003. Clin Toxicol (Phila). 2007;45(2):164-8.

Schwarz EB, Maselli J, Gonzales R. Contraceptive counseling of diabetic women of reproductive age. Obstet Gynecol. 2006 May;107(5):1070-4.

Rao G. Pediatric obesity-related counseling in the outpatient setting. Ambul Pediatr. 2005 Nov-Dec;5(6):377-9.

Huppert JS, Goodman E, Khoury J, Slap G. Sexually transmitted infection testing and screening in hospital-based primary care visits by women. Obstet Gynecol. 2005 Feb;105(2):390-6.

Lin SX, Hyman D, Larson E. Provision of health counseling in office-based practices and hospital outpatient clinics. Prev Med. 2005 May;40(5):542-6.

Brown J, Shesser R. Computed Tomography Scan Use in the Emergency Department Evaluation of Patients with Nonspecific Abdominal Pain is Increasing Despite Decreased Patient Acuity. Annals of Emergency Medicine, October 2004, 44:4. S32.

Brown, J. Shesser R. Computed Tomography Scan Use is Rising Faster than Other Investigational Modalities in the Emergency Department Evaluation of Patients. Annals of Emergency Medicine, October 2004, 44:4. S33.

Ma J, Urizar GG Jr, Alehegn T, Stafford RS. Diet and physical activity counseling during ambulatory care visits in the United States. Prev Med. 2004 Oct;39(4):815-22.

Mellen PB, Palla SL, Goff DC Jr, Bonds DE. Prevalence of nutrition and exercise counseling for patients with hypertension. Gen Intern Med. 2004 Sep;19(9):917-24.

Tanski SE, Klein JD, Winickoff JP, Auinger P, Weitzman M. Tobacco counseling at well-child and tobacco-influenced illness visits: opportunities for improvement. Pediatrics 2003 Feb;111(2):E162-7.

## 5. PROVIDERS SEEN - JOURNAL ARTICLES USING NHAMCS DATA

Zallman L, Ma J, Xiao L, Lasser KE. Quality of US Primary Care Delivered by Resident and Staff Physicians. J Gen Intern Med. 2010 Jul 20. [Epub ahead of print]

Ginde AA, Espinola JA, Sullivan AF, Blum FC, Camargo CA Jr. Use of midlevel providers in US EDs, 1993 to 2005: implications for the workforce. Am J Emerg Med. 2010 Jan;28(1):90-4.

Hooker RS, Cipher DJ, Cawley JF, Herrmann D, Melson J. Emergency medicine services: Interprofessional care trends. J Interprof Care. 2008 Mar;22(2):167-78.

Menchine MD, Wiechmann W, Rudkin S. Trends in midlevel provider utilization in emergency departments from 1997 to 2006. Acad Emerg Med. 2009 Oct;16(10):963-9.

Morgan PA, Strand J, Ostbye T, Albanese MA. Missing in action: care by physician assistants and nurse practitioners in national health surveys. Health Serv Res. 2007 Oct;42(5):2022-37.

Lin SX, Gebbie KM, Fullilove RE, Arons RR. Do nurse practitioners make a difference in provision of health counseling in hospital outpatient departments? J Am Acad Nurse Pract. 2004 Oct;16(10):462-6.

Scholle SH, Chang J, Harman J, et al. Characteristics of patients seen and services provided in primary care visits in obstetrics/gynecology: Data from NAMCS and NHAMCS. Am J Obstet Gynecol 190 (4): 1119-1127 Apr 2004

Lin SX, Gebbie K, Fullilove R, Arons R. Characteristics of patient visits to nurse practitioners in hospital outpatient departments. J Prof Nurs. 2003 Jul-Aug;19(4):211-5.

#### **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

Chen SY, Toh S. National trends in prescribing antidepressants before and after an FDA advisory on suicidality risk in youths. Psychiatr Serv. 2011 Jul;62(7):727-33.

Paul IM, Maselli JH, Hersh AL, Boushey HA, Nielson DW, Cabana MD. Antibiotic Prescribing During Pediatric Ambulatory Care Visits for Asthma. Pediatrics. 2011 May 23. [Epub ahead of print]

Zehtabchi S, Yadav K, Brothers E, Khan F, Singh S, Wilcoxson RD, Malhotra S. Prophylactic antibiotics for simple hand lacerations: Time for a clinical trial? Injury. 2011 May 20. [Epub ahead of print]

Sarkar U, López A, Maselli JH, Gonzales R. Adverse Drug Events in U.S. Adult Ambulatory Medical Care. Health Serv Res. 2011 May 10. doi: 10.1111/j.1475-6773.2011.01269.x. [Epub ahead of print]

Copp HL, Shapiro DJ, Hersh AL. National Ambulatory Antibiotic Prescribing Patterns for Pediatric Urinary Tract Infection, 1998-2007. Pediatrics. 2011 May 9. [Epub ahead of print]

Simon LJ, Bizamcer AN, Lidz CW, Stefan S, Pletcher MJ. Disparities in opioid prescribing for patients with psychiatric diagnoses presenting with pain to the emergency department. Emerg Med J. 2011 Feb 18. [Epub ahead of print]

Manthripragada AD, Zhou EH, Budnitz DS, Lovegrove MC, Willy ME. Characterization of acetaminophen overdose-related emergency department visits and hospitalizations in the United States. Pharmacoepidemiol Drug Saf. 2011 Feb 3. doi: 10.1002/pds.2090. [Epub ahead of print]

Iyer RG. Pain Documentation and Predictors of Analgesic Prescribing for Elderly Patients During Emergency Department Visits. J Pain Symptom Manage. 2010 Oct 20. [Epub ahead of print]

Hong SY, Taur Y, Jordan MR, Wanke C. Antimicrobial prescribing in the USA for adult acute pharyngitis in relation to treatment guidelines. J Eval Clin Pract. 2010 Jun 25. [Epub ahead of print]

Moser A, Segars LW. Assessment of antihyperlipidemic therapy in US patients with coronary heart disease. J Am Osteopath Assoc. 2010 Jun;110(6):331-9.

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]

Burris HH, Werler MM. U.S. Provider Reported Folic Acid or Multivitamin Ordering for Non-Pregnant Women of Childbearing Age: NAMCS and NHAMCS, 2005-2006. Matern Child Health J. 2010 Mar 5. [Epub ahead of print]

Hsieh YH, Chen KF, Gaydos CA, Rothman RE, Kelen GD. Antiviral prescriptions to U.S. ambulatory care visits with a diagnosis of influenza before and after high level of adamantane resistance 2005-06 season. PLoS One. 2010 Jan 28;5(1):e8945.

Hollingsworth JM, Davis MM, West BT, Wolf JS Jr, Hollenbeck BK. Trends in Medical Expulsive Therapy Use for Urinary Stone Disease in U.S. Emergency Departments. Urology. 2009 Oct 5. [Epub ahead of print]

Bourgeois FT, Mandl KD, Valim C, Shannon MW. Pediatric adverse drug events in the outpatient setting: an 11year national analysis. Pediatrics. 2009 Oct;124(4):e744-50. Epub 2009 Sep 28.

Aparasu RR, Jano E, Bhatara V. Concomitant antipsychotic prescribing in US outpatient settings. Res Social Adm Pharm. 2009 Sep;5(3):234-41. Epub 2009 Jan 21.

Grijalva CG, Nuorti JP, Griffin MR. Antibiotic Prescription Rates for Acute Respiratory Tract Infections in US Ambulatory Settings. JAMA. 2009;302(7):758-766.

Niska R, Han B. Statins for secondary cardiovascular disease prevention for older primary care patients. J Natl Med Assoc. 2009 Jul;101(7):705-10.

Wilson RD. Analgesic prescribing for musculoskeletal complaints in the ambulatory care setting after the introduction and withdrawal of cyclooxygenase-2 inhibitors. Arch Phys Med Rehabil. 2009 Jul;90(7):1147-51.

Coco AS, Horst MA, Gambler AS. Trends in broad-spectrum antibiotic prescribing for children with acute otitis media in the United States, 1998-2004. BMC Pediatr. 2009 Jun 24;9(1):41. [Epub ahead of print]

Caterino JM, Weed SG, Espinola JA, Camargo Jr CA. National Trends in Emergency Department Antibiotic Prescribing for Elders with Urinary Tract Infection, 1996-2005. Acad Emerg Med. 2009 Feb 24. [Epub ahead of print]

Vanderweil SG et al. Inappropriate Use of Antibiotics for Acute Asthma in United States Emergency Departments. Academic Emergency Medicine. 15(8): 736 - 743. Published Online: 8 Jul 2008.

Shehab N, Patel PR, Srinivasan A, Budnitz DS. Emergency department visits for antibiotic-associated adverse events. Clin Infect Dis. 2008 Sep 15;47(6):735-43.

Wisniewski AM, Purdy CH, Blondell RD. The epidemiologic association between opioid prescribing, non-medical use, and emergency department visits. J Addict Dis. 2008;27(1):1-11.

Pletcher MJ, Kertesz SG, Kohn MA, Gonzales R. Trends in Opioid Prescribing by Race/Ethnicity for Patients Seeking Care in US Emergency Departments JAMA. 2008;299(1):70-78.

drug events in older adults. Ann Intern Med. 2007 Dec 4;147(11):755-65. Summary for patients in: Ann Intern Med. 2007 Dec 4;147(11):124.

Aparasu R, Baer R, Aparasu A. Clinically important potential drug-drug interactions in outpatient settings. Res Social Adm Pharm. 2007 Dec;3(4):426-37.

Fischer T, Singer AJ, Lee C, Thode HC Jr. National trends in emergency department antibiotic prescribing for children with acute otitis media, 1996 2005. Acad Emerg Med. 2007 Dec;14(12):1172-5.

Bhatara VS, Aparasu RR. Pharmacotherapy with Atomoxetine for US Children and Adolescents. Ann Clin Psychiatry. 2007 Jul-Sep;19(3):175-80.

Sankaranarayanan J, Puumula SE. Antipsychotic use at adult ambulatory care visits by patients with mental health disorders in the united states, 1996-2003: National estimates and associated factors. Clin Ther. 2007 Apr;29(4):723 41.

Vanderweil SG, Pelletier AJ, Hamedani AG, Gonzales R, Metlay JP, Camargo CA Jr. Declining Antibiotic Prescriptions for Upper Respiratory Infections, 1993-2004. Acad Emerg Med. 2007 Feb 12; [Epub ahead of print]

Aparasu RR, Bhatara V. Patterns and determinants of antipsychotic prescribing in children and adolescents, 20032004. Curr Med Res Opin. 2007 Jan;23(1):49-56.

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]

Federman AD, Litke A, Morrison RS. Association of age with analgesic use for back and joint disorders in outpatient settings. Am J Geriatr Pharmacother. 2006 Dec;4(4):306-15.

Grijalva CG, Poehling KA, Nuorti JP, Zhu Y, Martin SW, Edwards KM, Griffin MR. National impact of universal childhood immunization with pneumococcal conjugate vaccine on outpatient medical care visits in the United States. Pediatrics. 2006 Sep;118(3):865-73.

Lee E et al. National patterns of medication use during pregnancy. Pharmacoepidemiology and Drug Safety, 2006 August; 15, 537-545.

Hing E, Brett KM. Changes in U.S. Prescribing Patterns of Menopausal Hormone Therapy, 2001–2003. Obstetrics & Gynecology 2006 Jul;108(1):33-40.

Mainous AG 3rd, Saxena S, Hueston WJ, Everett CJ, Majeed A. Ambulatory antibiotic prescribing for acute bronchitis and cough and hospital admissions for respiratory infections: time trends analysis. J R Soc Med. 2006 Jul;99(7):358-62.

Cooper WO, Arbogast PG, Ding H, Hickson GB, Fuchs DC, Ray WA. Trends in Prescribing of Antipsychotic Medications for US Children. Ambul Pediatr. 2006 Mar-Apr;6(2):79-83.

Kallen AJ, Welch HG, Sirovich BE. Current antibiotic therapy for isolated urinary tract infections in women. Arch Intern Med. 2006 Mar 27;166(6):635-9.

Robison LM, Sclar DA, Skaer TL. Trends in ADHD and Stimulant Use Among Adults: 1995-2002. Psychiatric Services. December 2005; 56(12):1497.

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

Pham JC, Kirsch TD, Hill PM, Deruggerio K, Hoffmann B. Seventy-two-hour Returns May Not be a Good Indicator of Safety in the Emergency Department: A National Study. Acad Emerg Med. 2011 Apr;18(4):390-7. doi: 10.1111/j.1553-2712.2011.01042.x. Slade EP, Dixon LB, Semmel S. Trends in the duration of emergency department visits, 2001-2006. Psychiatr Serv. 2010 Sep;61(9):878-84.

Wheeler E, Hardie T, Klemm P, Akanji I, Schonewolf E, Scott J, Sterling B. Level of pain and waiting time in the emergency department. Pain Manag Nurs. 2010 Jun;11(2):108-14. Epub 2009 Sep 18.

Pham JC, Ho GK, Hill PM, McCarthy ML, Pronovost PJ. National study of patient, visit, and hospital characteristics associated with leaving an emergency department without being seen: predicting LWBS. Acad Emerg Med. 2009 Oct;16(10):949-55.

Herring A, Wilper A, Himmelstein DU, Woolhandler S, Espinola JA, Brown DF, Camargo Jr CA. Increasing Length of Stay Among Adult Visits to U.S. Emergency Departments, 2001-2005. Acad Emerg Med. 2009 Jun 15. [Epub ahead of print]

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]

Carr BG, Hollander JE, Baxt WG, Datner EM, Pines JM. Trends in boarding of admitted patients in US emergency departments 2003–2005. J Emerg Med. 2009 Jan 5. [Epub ahead of print] doi:10.1016/j.jemermed.2008.04.035

Wilper AP, Woolhandler S, Lasser KE, McCormick D, Cutrona SL, Bor DH, Himmelstein DU. Waits To See An Emergency Department Physician: U.S. Trends And Predictors, 1997-2004. Health Affairs (Published online January 15, 2008)

Wittels KA, Pelletier AJ, Brown DF, Camargo Jr CA. United States emergency department visits for vaginal bleeding during early pregnancy, 1993-2003. Am J Obstet Gynecol. 2008 Jan 11 [Epub ahead of print]

Rodriguez GJ, Nasar A, Suri MF, Ezzeddine MA, Qureshi AI. Neuroimaging in Stroke and Seizure As Neurological Emergencies (NISSAN) Study. J Neuroimaging. 2008 Jan;18(1):9-14.

Bennett KJ, Moore CG, Probst JC. Estimating uncompensated care charges at rural hospital emergency departments. J Rural Health. 2007 Summer;23(3):258-63

Sun BC, Binstadt ES, Pelletier A, Camargo CA Jr. Characteristics and temporal trends of "left before being seen" visits in US Emergency Departments, 1995-2002. J Emerg Med. 2007 Feb;32(2):211-5. Epub 2007 Jan 18.

Gao X, Outley J, Botteman M, Spalding J, Simon JA, Pashos CL. Economic burden of endometriosis.Fertil Steril. 2006 Oct 20; [Epub ahead of print]

Richards ME, Hubble MW, Crandall C. Influence of ambulance arrival on emergency department time to be seen. Prehosp Emerg Care. 2006 Oct-Dec;10(4):440-6.

Coyne KS, Paramore C, Grandy S, Mercader M, Reynolds M, Zimetbaum P. Assessing the direct costs of treating nonvalvular atrial fibrillation in the United States. Value Health. 2006 Sep-Oct;9(5):348-56.

Larkin GL, Claassen CA, Pelletier AJ, Camargo CA Jr. National study of ambulance transports to United States emergency departments: importance of mental health problems. Prehospital Disaster Med. 2006 Mar-Apr;21(2 Suppl 2):82-90.

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]

Akhtar S, Husk G, Waxman D, Sonara P. Emergency department crowding: a national perspective. Annals of Emergency Medicine, October 2004, 44:4. S29.

Weinick RM, Billings J, Thorpe JM. Ambulatory care sensitive emergency department visits: a national perspective. Acad Emerg Med 2003 May;10(5):525-6

Sarver J, Cydulka RK. Emergency Department Provision of Nonurgent Care and Waiting Time to See a Physician. Acad. Emerg. Med. 2001 8: 576-a

Wang N, Camargo CA Jr, Spilseth EE. National Study of ED Patients Who "Left Before Being Seen" by a Physician, 1992-2000. Acad Emerg Med 2003 May;10(5):575.

# 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

Zhu M, Chu H, Rice TM, Carter MW. Implications of Conducting Trend Analyses of Emergency Department Visits Using Publicly Released Masked Design Variables. Ann Emerg Med. 2011 Feb 8. [Epub ahead of print]

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]

Gorelick MH, Alpern ER, Alessandrini EA. A system for grouping presenting complaints: the pediatric emergency reason for visit clusters. Acad Emerg Med. 2005 Aug;12(8):723-31.

Day F, Schriger DL, La M. Automated Linking of Free-Text Complaints to Reason-for-Visit Categories and International Classification of Diseases Diagnoses in Emergency Department Patient Record Databases. Ann Emerg Med. 2004;43:401-409. Hing E, Gousen S, Shimizu I, Burt C. Guide to Using Masked Design Variables to Estimate Standard Errors in Public Use Files of the National Ambulatory Medical Care Survey and the National Hospital Ambulatory Medical Care Survey. Inquiry. 40(4):416-415. Winter 2003/2004.

Machlin SR, Valluzzi JL, Chevarley M, et al. Measuring ambulatory health care use in the United States: A comparison of 1996 estimates across four Federal surveys. Journal of Economic and Social Measurement. 2001, 27, 57-69.

#### 8c. METHODOLOGY - OTHER PUBLICATIONS USING NHAMCS DATA

Qualls M, Pallin DJ, Schuur JD. Parametric versus nonparametric statistical tests: the length of stay example. Acad Emerg Med. 2010 Oct;17(10):1113-21. doi: 10.1111/j.1553-2712.2010.00874.x.

Burt CW, Hing E. Making patient-level estimates from medical encounter records using a multiplicity estimator. Stat Med. 2007 Jan 15; [Epub ahead of print]

Shimizu I, Henderson K, Johnson W. Design effects for the National Hospital Ambulatory Medical Care Survey. Proceedings of the Survey Research Section, American Statistical Assoc. 2000: 480-485. Gonzalez JF, Shimizu I. Effects of design assumptions on SUDAAN variances for estimates of aggregates in the National Hospital Ambulatory Medical Care Survey. 1999 Proceedings of the Survey Research Section, American Statistical Assoc. 2000: 784-789.

#### 9a. FACILITY CHARACTERISTICS - NCHS REPORTS

Use of electronic medical records by ambulatory care providers: United States, 2006. [NHSR No. 22] Emergency Response Planning in Hospitals, United States: 2003-2004 [ADR No. 391] 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] Bioterrorism and mass casualty preparedness in hospitals: United States, 2003. [ADR No. 364] Use of computerized clinical support systems in medical settings: United States, 2001-03 [ADR No. 353]

#### 9b. FACILITY CHARACTERISTICS – JOURNAL ARTICLES USING NHAMCS DATA

Furukawa MF. Electronic Medical Records and the Efficiency of Hospital Emergency Departments. Med Care Res Rev. 2010 Jun 16. [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.

Geisler BP, Schuur JD, Pallin DJ. Estimates of electronic medical records in U.S. emergency departments. PLoS One. 2010 Feb 17;5(2):e9274.

Keyhani S, Hebert PL, Ross JS, Federman A, Zhu CW, Siu AL. Electronic health record components and the quality of care. Med Care. 2008 Dec;46(12):1267-72.

Friedberg MW, Mehrotra A, Linder JA. Reporting hospitals' antibiotic timing in pneumonia: adverse consequences for patients? Am J Manag Care. 2009 Feb;15(2):137-44.

Mathews SC, Kelen GD, Pronovost PJ, Pham JC. A National Study Examining Emergency Medicine Specialty Training and Quality Measures in the Emergency Department. Am J Med Qual. 2010 Aug 17. [Epub ahead of print]

Brown DW, Young SL, Engelgau MM, Mensah GA. Evidence-based approach for disaster preparedness authorities to inform the contents of repositories for prescription medications for chronic disease management and control. Prehosp Disaster Med. 2008 Sep-Oct;23(5):447-57.

Niska RW. Hospital collaboration with public safety organizations on bioterrorism response. Prehosp Emerg Care. 2008 Jan-Mar;12(1):12-7.

Burt CW, Middleton KR. Factors Associated With Ability to Treat Pediatric Emergencies in US Hospitals. Pediatric Emergency Care 2007. 23(10). 681-689.

#### 10a. MISCELLANEOUS - OTHER PUBLICATIONS USING NHAMCS DATA

Runyan CW, Casteel C.(eds.) The State of Home Safety in America: Facts about Unintentional Injuries in the Home, 2<sup>nd</sup> edition, Washington DC, Home Safety Council, 2004

70