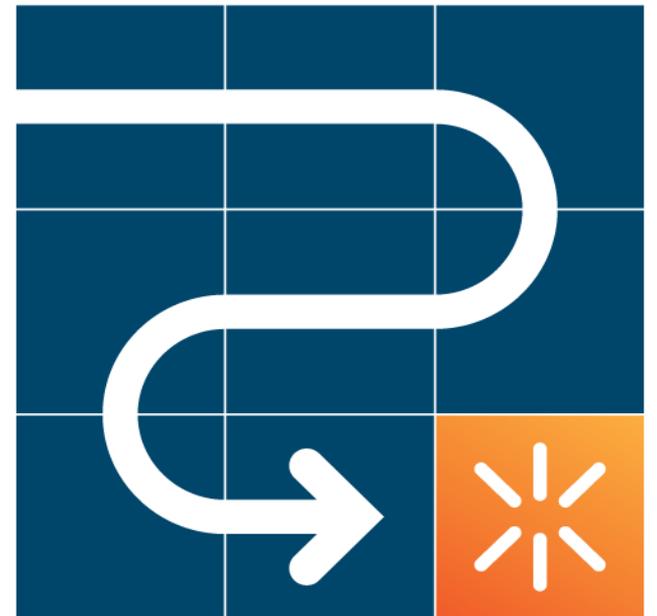


# National Center for Health Statistics Data Online Query System Overview

<http://www.cdc.gov/nchs/doqs/>

NCHS **DOQS**



Data Online Query System



## NCHS Data Online Query System (Beta Version)

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Welcome! The National Center for Health Statistics Data Online Query System (NCHS DOQS) provides dynamically generated statistical tables, charts, and graphs using NCHS public use data.

The query system includes all data, search parameters, and output options necessary for custom queries of public health datasets. It does not require commercial statistical software packages (such as SAS or Stata) or file downloads. NCHS DOQS is available 24/7 free of charge.

#### Select a Dataset to Query:

- [Emergency Department Visits](#)

NCHS DOQS lets you run custom queries, display results in tables and charts, and export data for storing and further analysis.

Easy to use, NCHS DOQS runs in nearly all browsers and can be run without JavaScript.

Begin your query by selecting a dataset.



Data Online Query System

#### Contact Us:

- Ambulatory and Hospital Care Statistics Branch  
National Center for Health Statistics  
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Hyattsville, MD 20782  
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## NCHS Data Online Query System (DOQS)

Emergency Department Visits

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### Emergency Department Visits

Dataset Overview

Emergency Department Visits to the National Hospital Ambulatory Medical Care Survey (NHAMCS), a national probability sample of visits to the emergency department of Federal, military, and Veterans Affairs hospitals. Resources on the left navigation pane.

Basic Measures

#### Select measure to query

-  [Estimated Numbers of ED Visits](#)
-  [Estimated Percentage Distribution of ED Visits](#)
-  [Estimated Crude Rates of ED Visits](#)
-  [Estimated Age-adjusted Rates of ED Visits](#)

This page contains important information about using ED data with NCHS DOQS. It is recommended that all ED data users review it at least once to ensure that they understand how best to build their queries and how to correctly interpret their output.

...the National Hospital Ambulatory Medical Care Survey (NHAMCS) is a national probability sample of visits to the emergency department of Federal, military, and Veterans Affairs hospitals, excluding the District of Columbia. Click on Additional Resources on the left navigation pane.

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This page contains valuable information about mistakes to avoid when building your query, available statistical measures, proper citation of data, etc.

## NCHS Data Online Query System (DOQS)

- Emergency Department Visits
- Getting Started with ED Data
- Additional Resources
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### Getting Started with ED Data

NCHS DOQS provides a simple-to-use interface that allows users to build a query for a chosen dataset and view the results. Users build queries by stepping through data selection options that can restrict the query to a particular subpopulation and/or determine the variables which display in their results.

### Building your query and viewing the results:

1. Since you have reached this page, it is assumed that you have already selected (from the NCHS DOQS home page) Emergency Department Visits data to query. Once you have selected Emergency Department Visits, you will see a page with a brief overview of the data and the statistical measures available. To select a measure, simply click on the measure name.

When you have finished reviewing *Getting Started with ED Data*, return to *Emergency Department Visits* to start building your query.

of ED visits, percent distribution of ED visits, crude rate of ED visits per persons. Data presented are weighted estimates based on sample counts. Because the estimates are based on a sample, they are subject to sampling error. Number and percent of visits, and confidence intervals are presented for

Rates are based on annual July 1 sets of estimates of the civilian noninstitutionalized population of the United States as developed by the Population Division, U.S. Census Bureau. Rates can be selected by age, sex, race, and ethnicity. If none of these groups are selected but rates is the chosen measure, the total U.S. civilian noninstitutionalized population is used as the denominator. Denominators are also shown in the table results. Rates are not currently available by geographic region or metropolitan statistical area status.

Age-adjusted rates have been adjusted to the standard 2000 U.S. population using 6 age groups (under 15, 15-24, 25-44, 45-64, 65-74, and 75 years and over). More information on this methodology is available at "Additional Resources" on the left hand navigation bar, and there are also Help icons within the Query Builder that contain some additional information.

2. After selecting a measure, you will see a page with a series of numbered steps - this is the Query Builder. You can restrict your analysis to a particular subpopulation based on the selections you make in each step (to expand a step, click on the blue bar). If you are not interested in any particular subpopulation, you may skip to the final step to select row and column variables for your query results. Remember that the choices you make in the steps can affect how the query results are displayed.

A few points to keep in mind: depending on your selections in the filtering steps, only records with those characteristics will appear in your results. For example, if you select "Males", only visits by males will be shown. There are three variables on the file (diagnostic/screening services, procedures, and disposition of visit) for which respondents could check all that apply. That is, one record can have multiple responses for these three variables. If you select multiple diagnostic/screening services as your filter,



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## NCHS Data Online Query System (DOQS)

### Emergency Department Visits

#### Dataset Overview

Emergency department (ED) visit data from the National Ambulatory Medical Care Survey (NHAMCS), which is conducted on a national sample of visits to the emergency and urgent care departments of Federal, military, and Veterans Administration hospitals. Resources on the left navigation bar for more information.

Next, select the measure you wish to explore. In our first example, we wish to find the annual number of ED visits by age and sex for 2008. Begin by selecting *Estimated Numbers of ED Visits*.

#### Basic Measures

##### Select measure to query

-  [Estimated Numbers of ED Visits](#)
-  [Estimated Percentage Distribution of ED Visits](#)
-  [Estimated Crude Rates of ED Visits](#)
-  [Estimated Age-adjusted Rates of ED Visits](#)



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## NCHS Data Online

Query

Step:

Step 1

Step 2

Step 3

Step 4

Step 5

Step 6

Step 7

Step 8

Step 9: Select Expected Primary Source of

Step 10: Select Disposition

Step 11: Select Geographic Region

Submit the Query Definition

Reset to Default Selections

Begin a New Query

Contact Us

### National Center for Health Statistics Data Online Query System, Data Use Agreement

The Public Health Service Act (42 U.S.C. 242m Section 308(d)) and the E-Government Act of 2002 (44 U.S.C. 3501 note) provide that the data collected by the National Center for Health Statistics (NCHS), Centers for Disease Control and Prevention (CDC), under an assurance of confidentiality may be used only for the purpose of health statistical reporting and analysis.

Any effort to determine the identity of any reported case is prohibited by these laws.

NCHS does all it can to assure that the identity of data subjects cannot be disclosed. All direct identifiers, as well as any characteristics that might lead to identification, are omitted from the dataset. Any intentional identification or disclosure of a person or establishment violates the assurances of confidentiality given to the providers of the information.

#### As an NCHS DOQS user, I AGREE to:

1. Use the data in this dataset for statistical reporting and analysis only.
2. Make no use of the identity of any person or establishment discovered inadvertently and advise the Director, NCHS, of any such discovery.
3. Not link this dataset with individually identifiable data from other NCHS or non-NCHS datasets.

Before you run your first query, you must agree to the NCHS DOQS Data Use Agreement.



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## NCHS Data Online Query System (DOQS)

Submit the Query Definition

Reset to Default Selections

Begin a New Query

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Query Builder for Emergency Department Visits, United States - Estimated Numbers of ED Visits

Step: **1.** | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15. | 16. | 17. | 18. | 19. | 20. | 21. | 22. | 23. | 24. | 25. | 26. | 27. | 28. | 29. | 30. | 31. | 32. | 33. | 34. | 35. | 36. | 37. | 38. | 39. | 40. | 41. | 42. | 43. | 44. | 45. | 46. | 47. | 48. | 49. | 50. | 51. | 52. | 53. | 54. | 55. | 56. | 57. | 58. | 59. | 60. | 61. | 62. | 63. | 64. | 65. | 66. | 67. | 68. | 69. | 70. | 71. | 72. | 73. | 74. | 75. | 76. | 77. | 78. | 79. | 80. | 81. | 82. | 83. | 84. | 85. | 86. | 87. | 88. | 89. | 90. | 91. | 92. | 93. | 94. | 95. | 96. | 97. | 98. | 99. | 100.

Step 1: Select Year(s) ( 2010 )

**Check as many years as desired**

- All years
- 2010
- 2009
- 2008
- 2007
- 2006
- 2005

Step 2: Select Age

Step 3: Select Sex

Step 4: Select Race

Step 5: Ethnicity

Step 6: Select Diagnostic and Screening Services Ordered or Provided +

Step 7: Select Primary Diagnosis +

Step 8: Select Procedures Performed at the Visit +

Step 9: Select Expected Primary Source of Payment +

Step 10: Select Disposition +

Step 11: Select Geographic Region +

### Example 1

It is important to note that Steps 1-12 are only necessary if you want to LIMIT your selections to certain subpopulations. In our example, we want 2008 data for males and females. So, we begin by making selections in Step 1.

Step 1: You can select any or all years of data - the default is the most recent year. If all years are selected, estimated numbers of visits returns cumulative totals, not multi-year averages. Select **2008**.

Submit the Query Definition

Reset to Default Selections

Begin a New Query

Contact Us

Step 4: Select Race

Step 5: Select Ethnicity

Step 6: Select Diagnostic and Screening Service

Step 7: Select Primary Diagnosis

Step 8: Select Procedures Performed at the Visit

Step 9: Select Expected Primary Source of Payment

Step 10: Select Disposition

Step 11: Select Geographic Region

Step 12: Select Metropolitan Statistical Area State

Step 13: Specify how to display the results

### Example 1 (cont.)

Since we want data for both males and females, we don't need to use Step 3 to restrict our selection to one or the other. Instead, just scroll down to Step 13 where you can specify how you would like to display the results of your query.

Step 13: Select *Sex* as the row variable and *Year* as the column variable. The default age group is the 6 standard age groups used in many NCHS reports

#### Specify how to display the numerical data values.

	<b>Column Values Grouped By:</b> Year
<b>Row Values Grouped By:</b> Sex	Estimated Numbers of ED Visits

#### Chart Graphic Type:

None

Finish: Submit the defined query

 Submit

 Reset

When you are ready, click *Submit* to run the query.

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Output from  
Example 1 Query

## NCHS Data Online Query System (DOQS)

Query Results for Emergency Department Visits, United States

Query Criteria for the Estimated Numbers of ED Visits Measure

<b>Year Filter:</b>	2008
<b>Data Grouped By:</b>	Sex, Year

Data Table of Number of ED Visits (in thousands) by Year and Sex

Sex	Year	
	2008	
Female		67,039
Male		56,722
<b>Total</b>		<b>123,761</b>

Data List

Sex	Year	Number of ED Visits (in thousands)	Standard Error of ED Visits (in thousands)	Lower Confidence Bound	Upper Confidence Bound
Total	Total	123,761	6,968	110,104	137,419
Total	2008	123,761	6,968	110,104	137,419
Female	Total	67,039	3,913	59,370	74,709
Female	2008	67,039	3,913	59,370	74,709
Male	Total	56,722	3,125	50,597	62,848
Male	2008	56,722	3,125	50,597	62,848

Data Notes

- Quantity zero
- 0.0 Quantity more than zero, but less than 0.05
- \*\* Unreliable estimate (sample count is less than 30)
- † Unreliable estimate (relative standard error exceeds 30 percent)

The "Unreliable Estimate Flag" column only appears if at least one estimate in your output is unreliable. For more information about NHAMCS data, consult the NHAMCS public use file documentation which can be accessed by returning to the Emergency Department Visits page (via "Begin a New Query") and selecting "Additional Resources" on the left navigation bar.

Modify Query

Graph It

Output to Excel

Begin a New Query

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## NCHS Data Online Query System (DOQS)

Modify Query

Graph It

Output to Excel

Begin a New Query

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Query Results

Query

Year Filter

Data Group

Data Table

You can go back and revise your selections for Steps 1-13 by selecting *Modify Query*.

If you would like to build a new query using a different measure, select *Begin a New Query*.

		Year	
		2008	
	Sex		
	Female		67,039
	Male		56,722
	<b>Total</b>		<b>123,761</b>

Data List

Sex	Year	Quantity	Standard Error (in)	Lower Confidence Bound	Upper Confidence Bound
Total	Total	123,761	6,968	110,104	137,419
Total	2008	123,761	6,968	110,104	137,419
Female	Total	67,039	3,913	59,370	74,709
Female	2008	67,039	3,913	59,370	74,709
Male	Total	56,722	3,125	50,597	62,848
Male	2008	56,722	3,125	50,597	62,848

Data Notes

- Quantity zero
- 0.0 Quantity more than zero, but less than 0.05
- \*\* Unreliable estimate (sample count is less than 30)
- † Unreliable estimate (relative standard error exceeds 30 percent)

The "Unreliable Estimate Flag" column only appears if at least one estimate in your output is unreliable. For more information about NHAMCS data, consult the NHAMCS public use file documentation which can be accessed by returning to the Emergency Department Visits page (via "Begin a New Query") and selecting "Additional Resources" on the left navigation bar.



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## NCHS Data Online Query System (DOQS)

### Emergency Department Visits

#### Dataset Overview

Emergency department (ED) visit data are from the emergency department component of the National Hospital Ambulatory Medical Care Survey (NHAMCS), which is conducted annually by the National Center for Health Statistics. NHAMCS is a national probability sample of visits to the emergency and outpatient departments of non-institutional general and short-stay hospitals, excluding Federal, military, and Veterans Administration hospitals, located in the 50 states and the District of Columbia. Click on Additional Resources on the left navigation bar for more information.

#### Basic Measures

##### Select measure to query

-  [Estimated Numbers of ED Visits](#)
-  [Estimated Percentage Distribution of ED Visits](#)
-  [Estimated Crude Rates of ED Visits](#)
-  [Estimated Age-adjusted Rates of ED Visits](#)

In our second example, we want to find the percent distribution of ED visits for persons under 18 years of age by expected primary source of payment for 2007-2008. Begin by selecting *Estimated Percentage Distribution of ED Visits*.

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## NCHS Data Online Query System (DOQS)

Submit the Query Definition

Reset to Default Selections

Begin a New Query

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### Query Builder for Emergency Department Visits, United States - Percent Distribution of ED Visits

Step: **1.** | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10.

Step 1: Select Year(s) ( 2010 )

**Check as many years as desired. Default is most**

- All years
- 2010
- 2009
- 2008
- 2007
- 2006
- 2005

Step 2: Select Age

Step 3: Select Sex

Step 4: Select Race

Step 5: Ethnicity

Step 6: Select Diagnostic and Screening Services Ordered or Provided

Step 7: Select Primary Diagnosis

Step 8: Select Procedures Performed at the Visit

Step 9: Select Expected Primary Source of Payment

Step 10: Select Disposition

Step 11: Select Geographic Region

### Example 2

Step 1: Select 2007 and 2008, which will give us a bigger sample size and more reliable estimates.

Submit the Query Definition

Reset to Default Selections

Begin a New Query

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Step 1: Select Year(s) ( 2010 )

Step 2: Select Age

**Select age groups or build your own. If the resulting estimates are unreliable, especially when selecting narrow age ranges, it may be necessary to reduce the sample size.**

6 age groups (Default): This option is used in many NCHS reports.

- All age groups (Default)
- Under 15 years
- 15-24 years
- 25-44 years
- 45-64 years
- 65-74 years
- 75+ years

11 age groups: This option emphasizes persons of older ages.

13 age groups: This option emphasizes persons of younger ages.

- All age groups
- Under 1 year
- 1-4 years
- 5-9 years
- 10-14 years
- 15-17 years
- 18-19 years
- 20-24 years
- 25-34 years
- 35-44 years
- 45-54 years
- 55-64 years
- 65-74 years
- 75+ years

Enter up to 6 custom groups, one per box, with ages from 0 to 100. Groups should not overlap. (Example: First box: 0-10, Second box: 11-20, etc.).

Example 2 (cont.)

Step 2: Select the 13 age groups category variable and select all age groups under 18 (i.e. Under 1 year, 1-4 years, 5-9 years, 10-14 years, 15-17 years).

Step 3: Select Sex

Submit the Query Definition

Reset to Default Selections

Begin a New Query

Contact Us

- Step 4: Select Race
- Step 5: Ethnicity
- Step 6: Select Diagnostic and Screening Services Ordered or Provided
- Step 7: Select Primary Diagnosis
- Step 8: Select Procedures Performed at the Visit
- Step 9: Select Expected Primary Source of Payment
- Step 10: Select Disposition
- Step 11: Select Geographic Region
- Step 12: Select Metropolitan Statistical Area Status
- Step 13: Specify how to display the results

**Specify how to display the numerical data values**

Column Values Grouped By:	None
Row Values Grouped By:	Expected Primary Source of Payment

**Chart Graphic Type:**

Pie

Finish: Submit the defined query

Submit

Reset

Example 2 (cont.)

Step 13: Select *Expected Primary Source of Payment* as the row variable. Note that we are looking for results for ages under 18 as a group, so it is not necessary to select Age Group as a row or column variable. In the *Chart Graphic Type* dropdown menu, select *Pie*.

Click *Submit* when you are finished.

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## NCHS Data Online Query System (DOQS)

### Emergency Department Visits

#### Dataset Overview

Emergency department (ED) visit data are from the emergency department component of the National Hospital Ambulatory Medical Care Survey (NHAMCS), which is conducted annually by the National Center for Health Statistics. NHAMCS is a national probability sample of visits to the emergency and outpatient departments of non-institutional general and short-stay hospitals, excluding Federal, military, and Veterans Administration hospitals, located in the 50 states and the District of Columbia. Click on Additional Resources on the left navigation bar for more information.

#### Basic Measures

##### Select measure to query

-  [Estimated Numbers of ED Visits](#)
-  [Estimated Percentage Distribution of ED Visits](#)
-  [Estimated Crude Rates of ED Visits](#)
-  [Estimated Age-adjusted Rates of ED Visits](#)

In our third example, we want to find the annual rate of injury-related ED visits by persons 65 years and over for 2005-2010. Begin by selecting *Estimated Crude Rates of ED Visits*.

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## NCHS Data Online Query System (DOQS)

Submit the Query Definition

Reset to Default Selections

Begin a New Query

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### Query Builder for Emergency Department Visits, United States - Estimated Numbers of ED Visits

Step: 1. | 2. | 3. | 4. | 5. | 6. | **7.** | 8. | 9. | 10. | 11. | 12. | 13. | Finish

Step 1: Select Year(s) ( 2010 )

**Check as many years as desired. Default is:**

- All years
- 2010
- 2009
- 2008
- 2007
- 2006
- 2005

Step 2: Select Age

**Select age groups or build your own. If the resulting estimates are unreliable, especially when selecting narrow age ranges, it may be necessary to run your analysis on multiple years of data to increase sample size.**

- 6 age groups (Default): This option is used in many NCHS reports.
  - All age groups (Default)
  - Under 15 years
  - 15-24 years
  - 25-44 years
  - 45-64 years
  - 65-74 years
  - 75+ years

### Example 3

Step 1: Select *All years* of data.

Step 2: Select age groups *65-74 years* and *75+ years* from the 6 standard age groups.

Submit the Query Definition

Reset to Default Selections

Begin a New Query

Contact Us

Step 7: Select Primary Diagnosis

**Select from the pre-defined groups below or enter your own ICD-9-CM codes with "User-Defined Diagnosis Codes".**

- Major Diagnosis Category (MDC): These are chapter headings from the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM).
- MDC with sub-category: This is a more detailed list developed by NCHS staff
  - Infectious and parasitic diseases
  - Neoplasms
  - Endocrine, nutritional and metabolic diseases, and immunity disorders
  - Diseases of the blood and blood-forming organs
  - Mental disorders
  - Diseases of the nervous system and sense organs
  - Diseases of the circulatory system
  - Diseases of the respiratory system
  - Diseases of the digestive system
  - Diseases of the genitourinary system
  - Complications of pregnancy, childbirth, and the puerperium
  - Diseases of the skin and subcutaneous tissue
  - Diseases of the musculoskeletal system and connective tissue
  - Congenital anomalies
  - Certain conditions originating in the perinatal period
  - Symptoms, signs, and ill-defined conditions
  - Injury and poisoning
    - All categories
    - Fractures, excluding lower limb
    - Fracture of the lower limb
    - Sprains and strains, excluding ankle and back
    - Sprains and strains of ankle
    - Sprains and strains of neck and back
    - Intracranial injury, excluding those with skull fracture
    - Open wound of head
    - Open wound, excluding head

Example 3 (cont.)

Step 7: Select *MDC with sub-category*, then *Injury and Poisoning*, then check the first 11 boxes to get just the injury diagnoses. (Or enter a custom range for Primary diagnosis using the boxes provided.)

Submit the Query Definition

Reset to Default Selections

Begin a New Query

Contact Us

Other and unspecified effects of external causes

Complications of surgical and medical care, not elsewhere classified

Supplementary classification of factors influencing health status and contact with health services

Blank and illegible

User-Defined Diagnosis Codes: Enter up to 5 single ICD-9-CM codes, one per box, without decimals (Example: 38200) or up to 5 code ranges, one per box (Example: 38100-38299), or any combination thereof.

Step 8: Select Procedures Performed at the Visit

Step 9: Select Expected Primary Source of Payment IS NOT AVAILABLE FOR THIS MEASURE

Step 10: Select Disposition

Step 11: Select Geographic Region IS NOT AVAILABLE FOR THIS MEASURE

Step 12: Select Metropolitan Statistical Area Status IS NOT AVAILABLE FOR THIS MEASURE

Step 13: Specify how to display the results

### Specify how to display the numerical data values

Column Values Grouped By:	Sex
Row Values Grouped By:	Year

### Chart Graphic Type:

Vertical Bar

Finish: Submit the defined query

Submit

Reset

Example 3 (cont.)

Step 13: Select *Age Group* as the row variable and *Year* as the column variable. Select *Vertical Bar* as the chart graphic type.

When you are finished, click *Submit*.

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## NCHS Data Online Query System (DOQS)

Output from  
 Example 3 Query

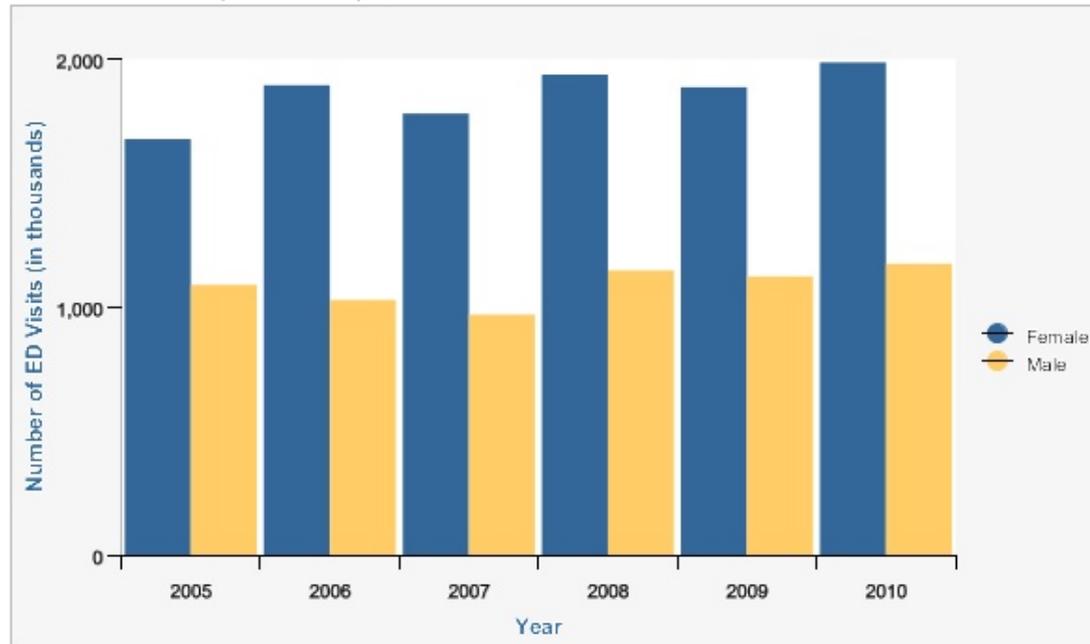
Query Results for Emergency Department Visits, United States

Query Criteria for the Crude Rate of ED Visits per 100 Persons Measure

<b>6 Age groups Filter:</b>	65-74 years, 75+ years
<b>Diag., NCHS 145 Filter:</b>	Fractures, excluding lower limb , Fracture of the lower limb , Sprains and strains, excluding ankle and back , Sprains and strains of ankle , Sprains and strains of neck and back , Intracranial injury, excluding those with skull fracture , Open wound of head , Open wound, excluding head , Superficial injuries , Contusion with intact skin surface , Other injuries
<b>Data Grouped By:</b>	Year, Sex

- Modify Query
- Graph It
- Output to Excel
- Begin a New Query
- Contact Us

Number of ED Visits (in thousands) by Year and Sex



Data Table of Number of ED Visits (in thousands) by Sex and Year

Year	Sex		Total
	Female	Male	
2005	1,650	1,100	2,750
2006	1,900	1,050	2,950
2007	1,750	1,000	2,750
2008	1,950	1,150	3,100
2009	1,900	1,150	3,050
2010	2,000	1,200	3,200



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## NCHS Data Online Query System (DOQS)

### Emergency Department Visits

#### Dataset Overview

Emergency department (ED) visit data are from the emergency department component of the National Hospital Ambulatory Medical Care Survey (NHAMCS), which is conducted annually by the National Center for Health Statistics. NHAMCS is a national probability sample of visits to the emergency and outpatient departments of non-institutional general and short-stay hospitals, excluding Federal, military, and Veterans Administration hospitals, located in the 50 states and the District of Columbia. Click on Additional Resources on the left navigation bar for more information.

#### Basic Measures

##### Select measure to query

-  [Estimated Numbers of ED Visits](#)
-  [Estimated Percentage Distribution of ED Visits](#)
-  [Estimated Crude Rates of ED Visits](#)
-  [Estimated Age-adjusted Rates of ED Visits](#)

In our last example, we want to find the age-adjusted rate of ED visits for chest pain for males and females in 2005 and 2010. Begin by selecting *Estimated Age-adjusted Rates of ED Visits*.

- Emergency Department Visits
- Getting Started with ED Data
- Additional Resources
- Contact Us
- NCHS DOQS Home Page

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## NCHS Data Online Query System (DOQS)

Submit the Query Definition

Reset to Default Selections

Begin a New Query

Contact Us

### Query Builder for Emergency Department Visits, United States - Age-Adjusted Visit Rate per 100 Persons

Step: [1.](#) | [2.](#) | [3.](#) | [4.](#) | [5.](#) | [6.](#) | [7.](#) | [8.](#) | [9.](#) | [10.](#) | [11.](#) | [12.](#) | [13.](#) | [Finish](#)

Step 1: Select Year(s) ( 2010 )

***Check as many years as desired. Default is most recent year.***

- All years
- 2010
- 2009
- 2008
- 2007
- 2006
- 2005

Example 4  
Step 1: Select 2005 and 2010.

Step 2: Select Age

Step 3: Select Sex

Step 4: Select Race

Step 5: Ethnicity

Step 6: Select Diagnostic and Screening Services Ordered or Provided

Step 7: Select Primary Diagnosis

Step 8: Select Procedures Performed at the Visit

Step 9: Select Expected Primary Source of Payment

Step 10: Select Disposition

Step 11: Select Geographic Region

Submit the Query Definition

Reset to Default Selections

Begin a New Query

Contact Us

● MDC with sub-category: This is a more detailed list developed by NCHS staff. Click the Help button to learn more.

- Infectious and parasitic diseases
- Neoplasms
- Endocrine, nutritional and metabolic diseases, and immunity disorders
- Diseases of the blood and blood-forming organs
- Mental disorders
- Diseases of the nervous system and sense organs
- Diseases of the circulatory system
- Diseases of the respiratory system
- Diseases of the digestive system
- Diseases of the genitourinary system
- Complications of pregnancy, childbirth, and the puerperium
- Diseases of the skin and subcutaneous tissue
- Diseases of the musculoskeletal system and connective tissue
- Congenital anomalies
- Certain conditions originating in the perinatal period
- Symptoms, signs, and ill-defined conditions
  - All categories
  - Syncope and collapse
  - Convulsions
  - Dizziness and giddiness
  - Pyrexia of unknown origin
  - Symptoms involving skin and other integumentary tissue
  - Headache
  - Epistaxis
  - Abnormal heart sounds
  - Dyspnea and respiratory abnormalities
  - Cough
  - Chest pain
  - Symptoms involving the urinary system
  - Abdominal pain
  - Other symptoms, signs and ill defined conditions

#### Example 4 (cont.)

Step 7: Select *Chest Pain* using the *MDC with sub-category* option. Click on *Symptoms, Signs and Ill-Defined Conditions*, then click on *Chest Pain*.

Submit the Query Definition

Reset to Default Selections

Begin a New Query

Contact Us

Other symptoms, signs and ill defined conditions

Injury and poisoning

Supplementary classification of factors influencing health status and contact with health services

Blank and illegible

User-Defined Diagnosis Codes: Enter up to 5 single ICD-9-CM codes, one per box, without decimals (Example: 38200) or up to 5 code ranges, one per box (Example: 38100-38299), or any combination thereof.

Step 8: Select Procedures Performed at the Visit

Step 9: Select Expected Primary Source of Payment

Step 10: Select Disposition

Step 11: Select Geographic Region

Step 12:  Select Metropolitan Statistical Area Status

Step 13: Specify how to display the results

### Specify how to display the numerical data values

Column Values Grouped By:	Column Values
	Sex
Row Values Grouped By:	
Year	Age-Adjusted

### Chart Graphic Type:

Horizontal Bar

Finish: Submit the defined query

Submit

Reset

### Example 4 (cont.)

Step 13: Select *Year* as the row variable and *Sex* as the column variable. By selecting *Year*, your table will show separate results for 2005 and 2010. If you had not selected *Year*, an estimate reflecting the combination of the two years would be displayed. For *Chart Graphic Type*, select *Horizontal Bar*.

When you are finished, click *Submit*.

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## NCHS Data Online Query System (DOQS)

Output from  
 Example 4 Query

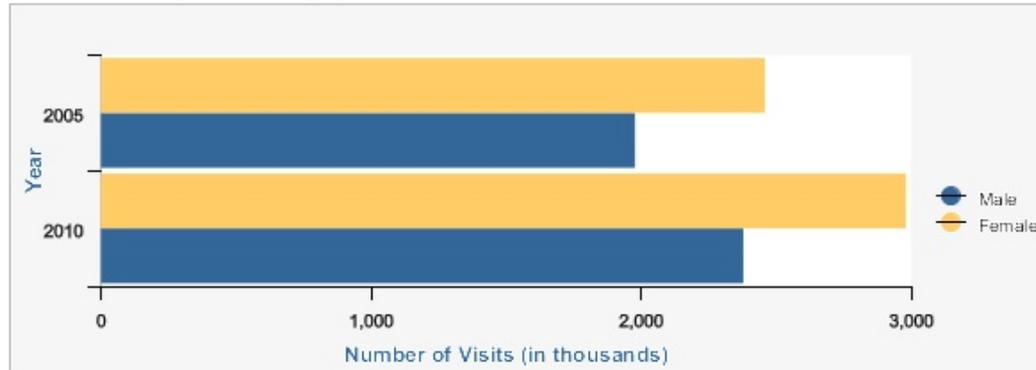
Query Results for Emergency Department Visits, United States

Query Criteria for the Age-Adjusted Visit Rate per 100 Persons Measure

<b>Year Filter:</b>	2010, 2005
<b>Diag., NCHS 145 Filter:</b>	Chest pain
<b>Data Grouped By:</b>	Year, Sex

- Modify Query
- Graph It
- Output to Excel
- Begin a New Query
- Contact Us

Number of Visits (in thousands) by Year and Sex



Data Table of Number of Visits (in thousands) by Sex and Year

Year	Sex		Total
	Female	Male	
2005	2,459	1,978	4,438
2010	2,981	2,379	5,360
<b>Total</b>	<b>5,440</b>	<b>4,358</b>	<b>9,798</b>

Data List

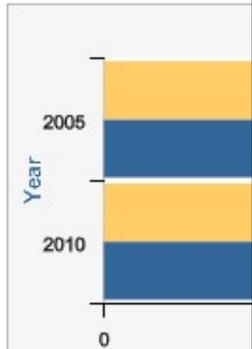
Year	Sex	Number of Visits (in thousands)	Population Estimate (in thousands)	Age-Adjusted Rate of ED Visits per 100 Persons	Standard Error of Rate	Lower Confidence Bound	Upper Confidence Bound
Total	Total	9,798	594,784	1.6	0.1	1.5	1.7

## NCHS Data Online Query

Query Results for Emergency Department Visits, United States  
 Query Criteria: Age-Adjusted Visit Rate per 100 Persons Measure

Year: 2005-2010  
 NCHS 145 F  
 Data Grouped By:

Number of Visits (in thousands)



Once you complete your query, you can save it in Excel by selecting *Output to Excel*.

- Modify Query
- Graph It
- Output to Excel**
- Begin a New Query
- Contact Us

Windows Internet Explorer

What do you want to do with AgeAdjustedRate.xls?

Type: Microsoft Excel 2003  
 From: aspv-doqs-ndqs1

- Open  
The file won't be saved automatically.
- Save
- Save as

Cancel

Data Table of Number of Visits (in thousands) by Sex and Year

Year	Sex		Total
	Female	Male	
2005	2,459	1,978	4,438

You can save the spreadsheet to your hard drive or network, save the data as a CSV file for importing into other statistical software, and take advantage of Excel's expanded graphing capabilities.

# Query Criteria for the Age-Adjusted Visit Rate per 100 Persons Measure

Year Filter: 2010

Data Grouped By: Year

## Data List

Year	Number of Visits (in thousands)	Population Estimate (in thousands)	Age-Adjusted Rate of ED Visits per 100 Persons	Standard Error of
Total	129,843	303,628	43.2	
2010	129,843	303,628	43.2	

## Data Notes

The "Unreliable Estimate Flag" column only appears if at least one estimate in your output is unreliable. For more information about NHAMCS data, can be accessed by returning to the Emergency Department Visits page (via "Begin a New Query") and selecting "Additional Resources" on the left n

## Data Sources

## NCHS Data Online Query System (DOQS)

Query Results for Emergency Department Visits, United States

Query Criteria for the Age-Adjusted Visit Rate per 100 Persons Measure

Year Filter:	2010, 2005
Diag. NCHS 145 Filter:	Emergency
D	

- Modify Query
- Graph It
- Output to Excel
- Begin a New Query
- Contact Us



Data Table of Number of Visits (in thousands) by Sex and Year

Year	Sex		Total
	Female	Male	
2005	2,459	1,978	4,438
2010	2,981	2,379	5,360
<b>Total</b>	<b>5,440</b>	<b>4,358</b>	<b>9,798</b>

Data List

Year	Sex	Number of Visits (in thousands)	Population Estimate (in thousands)	Age-Adjusted Rate of ED Visits per 100 Persons	Standard Error of Rate	Lower Confidence Bound	Upper Confidence Bound
Total	Total	9,798	594,784	1.6	0.1	1.5	1.7

We welcome your feedback!  
 Please visit the *Contact Us* page to send any questions or comments about the data, the application, and your overall experience with NCHS DOQS.

Thank you for using NCHS DOQS!

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## Contact Us

For general or technical questions related to using NCHS DOQS for emergency department data queries, or for questions about the National Hospital Ambulatory Medical Care Survey, contact the Ambulatory and Hospital Care Statistics Branch (tel: 301-458-4600) or email [NCHSDOQS@cdc.gov](mailto:NCHSDOQS@cdc.gov). Please also provide any comments or suggestions regarding this new online query system. Your feedback will be used to help us make improvements to the site so that we can meet your data needs in the best way possible.

For general questions about NCHS DOQS or information about the National Center for Health Statistics, please contact:

National Center for Health Statistics  
3311 Toledo Rd, Room 5419  
Hyattsville, MD 20782  
1 (800) 232-4636  
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