

***Department of Health and
Human Services***

***Centers for Medicare &
Medicaid Services***

***“American Recovery and
Reinvestment Act:
Development of a
Medicaid/CHIP Environmental
Scanning and Program
Characteristics (ESPC)
Database”***

***ESPC Database Version 2.0:
User Guide***

Contract Number:

HHSM-500-2006-00007I

Order Number:

HHSM-500-T0003

Due:

March 30, 2012

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1. BACKGROUND AND PURPOSE

Medicaid provides health coverage for certain groups of low-income individuals, including families with children, foster children, the aged, and the disabled. The Children's Health Insurance Program (CHIP) provides health coverage for uninsured children in families whose incomes are too high to qualify for Medicaid but too low to afford private health insurance. Both programs are jointly funded by Federal and State governments and are administered by the States. Within broad Federal guidelines, each State determines the design of its programs, eligibility groups, benefit packages, payment levels for coverage, and administration and operating procedures. Further information on the Medicaid program can be found in CMS' *Medicaid At-a-Glance* publication, available at <https://www.cms.gov/MedicaidGenInfo/Downloads/MedicaidAtAGlance2005.pdf>.

As a result of the flexibility given to States, the features of the Medicaid and CHIP programs vary considerably from State to State. There is also considerable variation across States' health systems and environmental factors that affect enrollment, utilization, and payments in the Medicaid and CHIP programs. However, no single source captures data on all of these factors. These data are needed to support research and policy analysis in Medicaid and CHIP.

The Environmental Scanning and Program Characteristics (ESPC) Database includes an array of Medicaid and CHIP program characteristics and contextual variables for each of the 50 States and the District of Columbia. The ESPC Database includes data from 2005 onward and will be updated in 2013.

Variables in the ESPC Database can be linked to CMS' Medicaid Analytic eXtract (MAX) file for use in comparative effectiveness research, policy studies, and program evaluations. The database can also serve as a tool to help meet the increased need for intra- and interstate analysis stemming from the implementation of health reform. Information on the MAX file can be found at http://www.cms.gov/MedicaidDataSourcesGenInfo/07_MAXGeneralInformation.asp.

Variables in the ESPC Database are derived from a number of different sources, which are listed in **Appendix A**. The database predominantly houses information on Medicaid and CHIP program characteristics, but also includes data on selected environmental factors that are frequently used in combination with State program characteristics. Program characteristics include data elements such as eligibility criteria, the presence of waiver programs, managed care enrollment, benefit coverage, reimbursement levels, and expenditures reflected in both aggregate totals and by population (e.g., adult, child, disabled, aged, foster care children, dually eligible beneficiaries). Environmental factors include health indicators, the population's socioeconomic status and health insurance coverage, and various indicators of health care system capacity.

Other important environmental factors can be easily found in the Area Resource File (<http://arf.hrsa.gov>) and other public sources and therefore are not included in the ESPC

Database. For example, the new Health Data Interactive (HDI), a compendium of existing data sources being developed by the U.S. Department of Health and Human Services, will house community health data, indicators, and interventions to help Americans understand health and health care system performance in their communities. It can be found at <http://www.cdc.gov/nchs/hdi.htm>.

The ESPC Database was developed in Microsoft Access and incorporates documentation on each variable, including data source, relevant time periods, and other related information. The database user interface serves two main purposes: (1) it allows the user to search, view, or select variables related to Medicaid and CHIP program and environmental factors; and (2) it allows the user to export data from the database and save the data in files that can be linked to MAX data or other data sources.

2. USING THE DATABASE INTERFACE

The ESPC Database interface allows the user to search, view, or select variables of interest. After variables are selected, the user can export data to an Excel or text file. Users are guided through the variable selection and data export processes by a series of forms (screens). Although the user is able to view variable names and select variables from the ESPC Database in this interface, the data themselves cannot be viewed. Data must first be exported and saved to an Excel or text file before they can be viewed.

The following sections provide instructions on how to use each of the forms in the ESPC Database interface. Instructions also can be accessed by clicking on a “Help” button or typing “h” on most forms.

2.1 Main Switchboard

The ESPC Database opens to a Welcome page, shown in **Exhibit 1**. Depending on the version of Microsoft Access that is being run, the user may see a security warning that certain content in the database has been disabled. To use the database, click on the “Options” button next to the security warning, then click on “Enable this content,” and then click “OK.” The user will be returned to the Welcome page. Clicking the “Begin” button or typing “b” on the Welcome page takes the user to an Introduction screen. To access the main switchboard of the database interface, click on the “ESPC Database” button at the bottom of the Introduction screen or type the letter “d.”

The main switchboard includes five selection buttons: Search Variables, Select Variables from List, Select States and Dates, Export Data to File, and Supporting Information on Data Sources, shown in **Exhibit 2**. The “Exit” button, or typing “x,” closes the database.

The “Search Variables” button takes users to a form that can be used to search for variables by various criteria listed on the search form. The “Select Variables from List” button takes users to a list of all ESPC Database variables in a table format, from which users can view information on and select variables. The “Select States and Dates” button takes users to a form to select the States and time periods for which they would like to export data. The “Export Data to File” button takes users to a form that allows them to pull the data for selected variables from the database, export the data, and save the data in a user-defined destination and filename. Finally, the “Supporting Information on Data Sources” button provides details on data sources and supporting documents for the data included in the database. The following sections provide step-by-step descriptions of how to use these forms.

Exhibit 1. Welcome page of the ESPC Database user interface

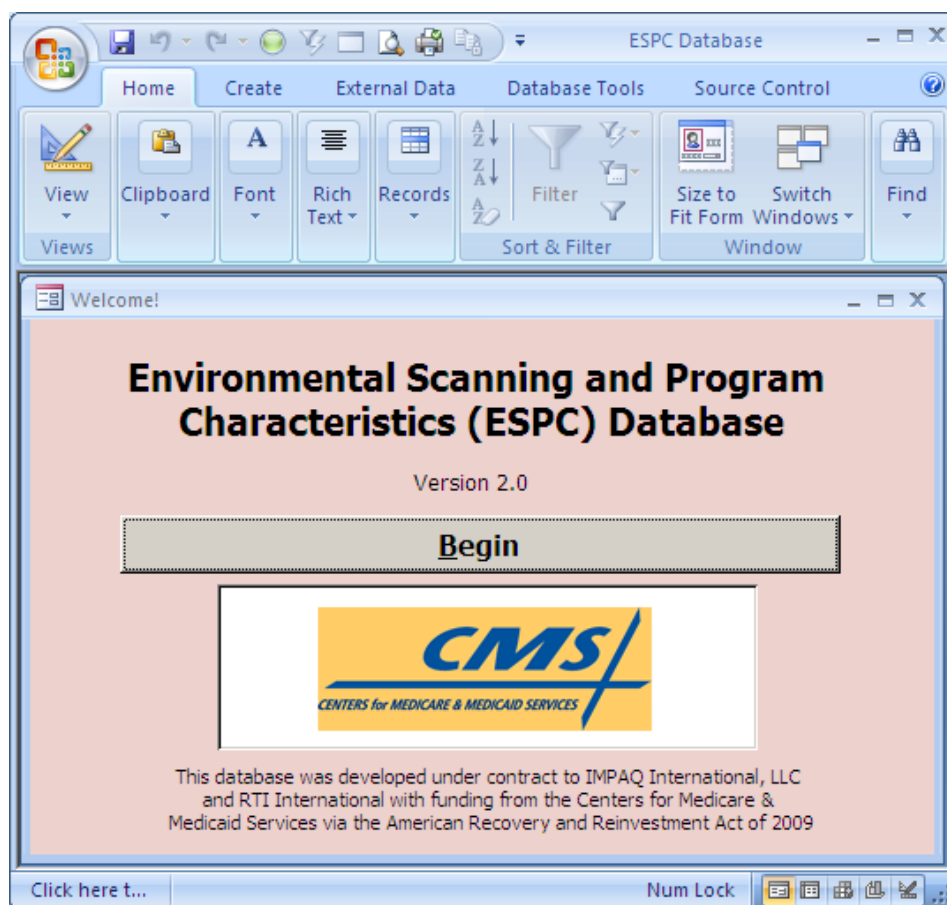
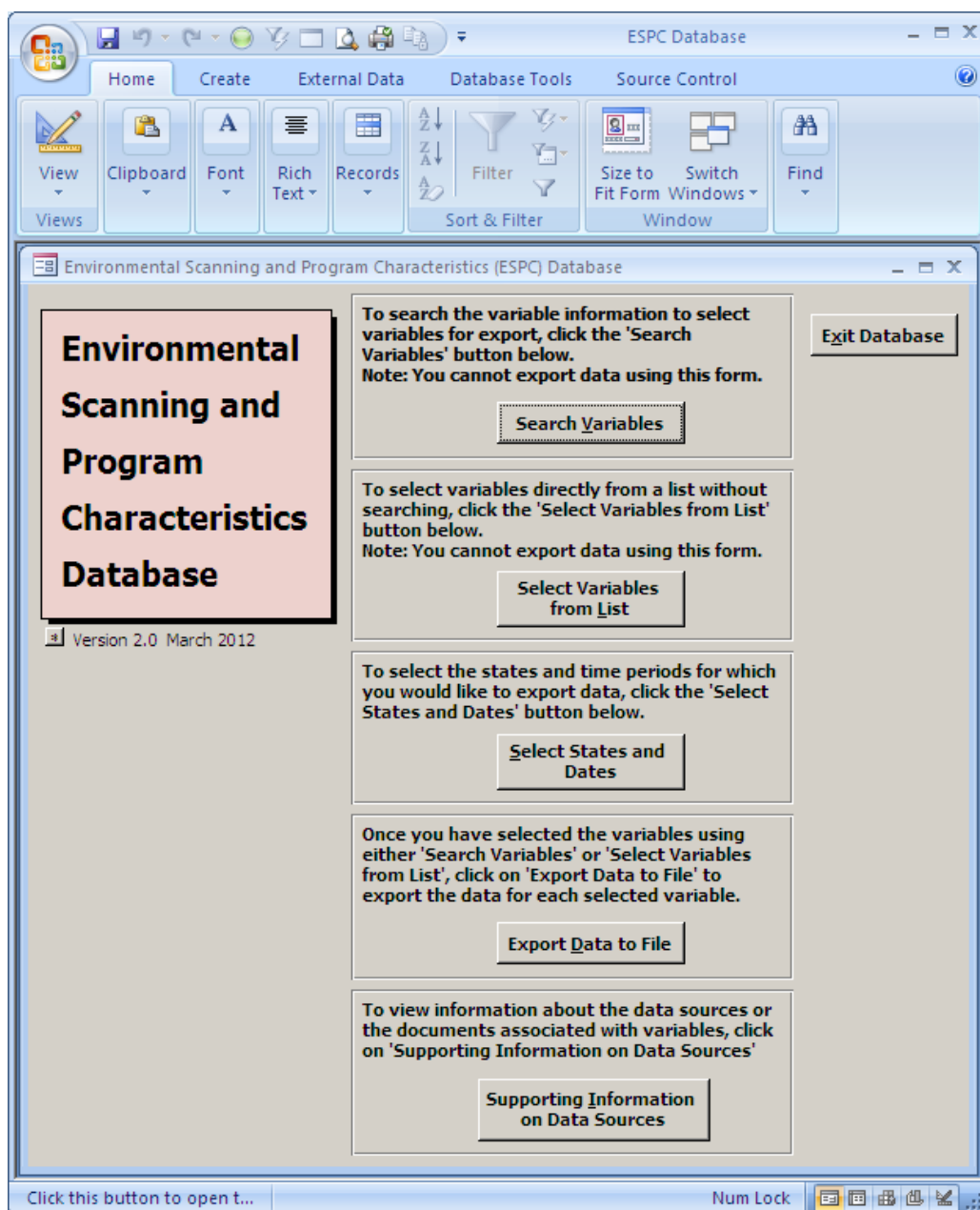


Exhibit 2. Main switchboard of the ESPC Database interface



2.2 ESPC Variable Search Form

Clicking the “Search Variables” button or typing the letter “v” on the main switchboard takes the user to the Variable Search Form, as shown in **Exhibit 3**. This form contains several buttons that allow the user to input criteria for searching the database variables. Instructions for using the Variable Search Form can be accessed from this form by clicking on the “Help” button or typing “h.” Clicking the “Close” button or typing “c” on this form returns the user to the main switchboard.

Exhibit 3. Variable Search form

The screenshot shows the 'ESPC Variable Search Form' window within the 'ESPC Database' application. The window has a title bar and a menu bar with 'Home', 'Create', 'External Data', 'Database Tools', and 'Source Control'. Below the menu bar is a ribbon with icons for 'View', 'Clipboard', 'Font', 'Rich Text', 'Records', 'Filter', 'Sort & Filter', 'Size to Fit Form', 'Switch Windows', and 'Find'. The main content area of the form contains instructions for searching, search criteria fields, and buttons for finding and exporting variables.

To search for specific variables in the ESPC database:

1. Select/enter criteria below. All search criteria are optional and are logically separated by 'AND'. All variables will be viewed if no criteria are entered.
2. Click either the 'Full Variable Info' or 'Variable List' button to view information on variables meeting the criteria.
3. Select Variables to export using the Variable Information or Variable List forms.

Environmental/Program Factors: [Dropdown] (limited by topic area and/or subtopic area if chosen)

Topic Area: [Dropdown] (limited by subtopic area and/or factor type if chosen)

Subtopic Area: [Dropdown] (limited by topic area and/or factor type if chosen)

Eligibility Group: [Dropdown]

Service: [Dropdown]

Description/Keyword Containing: [Text Field] (exact string match) **Keyword Index**

OR **View Selected Variables Only** ☐ (no other criteria apply if this is checked) **Clear Selected Variables**

Find Variables: **Full Variable Info.** **Variable List** **Clear Search Criteria**

To Print information on variables identified using the criteria above, click on 'Variable Report' to open a formatted report that can be printed. To Export information on variables identified using the criteria above, click on 'Export Variable Info. to Excel' to export the information into an Excel file, or click on 'Export Variable Info. to Text' to export the information into a tab delimited text file.

Variable Report **Export Variable Info. to Excel** **Export Variable Info. to Text**

****This form cannot be used to export or view data values. Use the 'Export Data to File' button on the main form to export and save the data associated with the selected variables to a file where they can be viewed.****

At the bottom of the window, there are two buttons: 'Closes this form' and 'Num Lock'.

2.2.1 Using Search Criteria

Search criteria can be chosen from a series of drop-down boxes. Each of the search criteria is optional. If no criteria are chosen, information on all variables in the ESPC Database will be viewed. Search fields are logically connected by “AND,” so the search becomes more restricted as criteria are added. A user who does not want to use a particular criterion can select “Do Not

Use This Criterion” from the drop-down list. This will return a blank box. Alternatively, the user can delete the text, if any, in the box. In both cases, the variable search will not be limited by this criterion. Available selections in the drop-down boxes for the first three search fields (Environment/Program Factors, Topic Area, and Subtopic Area) are dependent on one another. For example, choosing “environmental” in the first box will limit the available choices in the Topic Area box to those topics falling within the environmental category plus “Do Not Use This Criterion.” The dependency is bi-directional: Choosing “CHIP Benefits” as a Topic Area will limit the Environmental/Program Factors drop-down box to “Do Not Use This Criterion” and “Program,” because CHIP Benefits falls into the program category.

Drop-down boxes are provided for five categories of search criteria:

1. Environmental/Program Factors: This allows the user to search only variables that represent environmental factors or only variables that represent Medicaid and CHIP program characteristics.
2. Topic Area: All variables are assigned a topic area. This allows the user to search only variables that represent the desired topic area. A list of topic areas for program factors is in **Appendix B**. A list of topic areas for environmental factors is in **Appendix C**.
3. Subtopic Area: All variables are assigned a subtopic area. This allows the user to search only variables that represent the desired subtopic area. A list of subtopic areas for program factors is in **Appendix B**. A list of subtopic areas for environmental factors is in **Appendix C**.
4. Eligibility Group: Some variables contain data relevant to a particular eligibility group. This allows the user to search only variables relevant to a particular eligibility group. “Unspecified” should be selected to search for variables that are not for a specific eligibility group. A list of eligibility groups is in **Appendix D**.
5. Service: Some variables contain data relevant to a particular Medicaid-covered service. This allows the user to search only variables relevant to a particular Medicaid service. This criterion should be left blank (or “Do Not Use This Criterion” chosen) to search variables that are not for a specific service. A list of services included in the database is in **Appendix E**.

To conduct another search using different search criteria, the user should click the button “Clear Search Criteria” or type “l” (a lowercase letter L) on the Variable Search Form to reset all search criteria to blanks. (Note that previously selected variables remain selected unless the user clicks the “Clear Selected Variables” button or types “s” to clear them.) Variables selected during the previous session using the ESPC Database also will remain selected unless they are cleared during the current session.

In addition, the user can enter text in the “Description/Keyword Containing” box. This criterion will search for variables with a variable description or keyword containing a string that is an exact match to the text entered in the box. For example, if “Medicaid eligibles” is entered, only those variables with a description that includes this exact sequence will be found. To improve the search function, keywords have been assigned to some variables in the database. Keywords are terms that may be used synonymously by different data sources. For example, variables capturing counts of enrollees have the following as keywords: enrollees, eligibles, beneficiaries, beneficiary, enrollment, recipient. If the search text is an exact match for one of these keywords, all variables assigned that keyword will be found even if that string is not part of the variable description. Clicking on the “Keyword Index” button (or typing the letter “i”) opens a box with a glossary of keywords used in the database.

2.2.2 Viewing Information on Variables

After selecting the search criteria, the user clicks a button to find the variables that match the selection criteria and to view information about them. Two options are provided for viewing information on matching variables. Clicking the “Full Variable Info.” button or hitting Alt+F opens a form that provides complete information on each variable. This includes variable name, variable description, keywords, data type (text or numeric), data units, data source, whether it is a program or environmental variable, topic area, subtopic area, eligibility group, service name, data availability, data periodicity, comments on the variable, and supporting documents associated with the variable. If there are any supporting documents for the variables, the user can double-click the “Associated Document” box (or click in the box and hit Control+Enter) to view the complete document in PDF format. The document can be closed either by clicking the “X” in the upper right corner of the document or hitting Control+Q. If the user clicks in the box when there is no supporting document for the variable, an error message will appear. This can be closed by clicking on the “OK” button or the “X” in the upper right corner of the message box.

Each matching variable with its associated information is displayed on a separate page. The user can move between the pages with information on each variable by clicking on the “Forward” button (or typing “f”) or on the “Back” button (or typing “b”). Arrow buttons in the lower left corner can also be used to scroll through the variables. Information on the ESPC Variable Information Form can be accessed from this form by clicking on the “Help” button or typing “h.” **Exhibit 4** shows the full variable information for one variable. The user is also given the option to click on the small box in the “Check box below to select for export” button to select a variable for export in a later step. After navigating through the variables, the user can click the “Close” button or type “c” to close this form and return to the Variable Search Form (**Exhibit 3**).

A second option for viewing information on variables meeting the search criteria is clicking the “Variable List” button (or hitting Alt+V), which opens a form that lists all of the variables that match a search (**Exhibit 5**). This form shows the variable name, variable description, data type, topic area, subtopic area, and data source. The user can click on a box to the left of each

variable to select it for export in a later step. To select all variables in the list for future export, click on the “Select All Variables” button (or type “a”). Clicking on the “Clear Selected Variables” button or typing “s” will clear all selected variables. After reviewing the list, the user can return to the Variable Search Form either by closing the Variable List Form (by clicking on the “Close” button or typing “c”) or clicking on the “Go to Search Variables” button (or typing “v”). Instructions for using the Select Variables from List Form can be accessed from this form by clicking on the “Help” button or typing “h.”

Exhibit 4. Full Variable Information form

The screenshot displays the 'ESPC Variable Information Form' within the 'ESPC Database' application. The form is titled 'Below is the complete metadata for each variable meeting the search criteria. Use the Forward and Back buttons to scroll through each variable to read its associated metadata. Use the provided checkbox to select a variable for which you would like to export data.' The form contains the following fields and controls:

- Variable Name:** # beneficiaries receiving prescribed drug services
- Variable Description:** # Medicaid beneficiaries receiving prescribed drug services
- Keywords:** users, recipients
- Variable Type:** program | **Data Type:** numeric | **Units:** Number
- Data Source Name:** CMS MSIS Tables
- Eligibility Group:** All eligibility groups
- Service Name:** Prescription drugs
- Topic Area:** Medicaid Pharmacy
- Subtopic Area:** Number of Users
- Data Availability:** FY: 2005, 2006, 2007, 2008
- Data Periodicity:** Annual
- Variable Comments:** (Empty text area)
- Navigation:** Back, Forward, Close buttons.
- Export Selection:** A checkbox labeled 'Check box below to select for export' is checked.
- Dates:** Earliest Data Date: 10/1/04, Latest Data Date: 9/30/08.
- Associated Document:** A text box with instructions: 'Associated Document -- double click or Control + Enter to open. Control + Q to close document.'
- Status Bar:** Record: 1 of 13, Filtered, Search.

Exhibit 5. Select Variables from List form

Check to Select	Variable Name	Variable Description	Data Type
<input checked="" type="checkbox"/>	# beneficiaries receiving prescribed drug services Topic Area: Medicaid Pharmacy Subtopic Area: Number of Users	# Medicaid beneficiaries receiving prescribed drug services Data Source: CMS MSIS Tables	numeric
<input checked="" type="checkbox"/>	# eligibles who are dual eligible Topic Area: Medicaid Eligibility Subtopic Area: Eligibility Category	# Medicaid eligibles who are dual eligible Data Source: CMS MSIS Tables	numeric
<input type="checkbox"/>	# in pov univ w/ inc-to-pov ratio of 125 to <150% Topic Area: Socioeconomic Subtopic Area: Poverty	Total # of persons in poverty universe (which includes everyone except unrelated individuals under 15) with Data Source: Current Population Survey, Annual Social and Economic S	numeric
<input type="checkbox"/>	# in pov univ w/ inc-to-pov ratio of 150 to <200% Topic Area: Socioeconomic Subtopic Area: Poverty	Total # of persons in poverty universe (which includes everyone except unrelated individuals under 15) with Data Source: Current Population Survey, Annual Social and Economic S	numeric
<input type="checkbox"/>	# in pov universe w/ income-to-poverty ratio of >=200% Topic Area: Socioeconomic Subtopic Area: Poverty	Total # of persons in poverty universe (which includes everyone except unrelated individuals under 15) with Data Source: Current Population Survey, Annual Social and Economic S	numeric
<input type="checkbox"/>	# in pov universe with inc-to-pov ratio of 100 to <125% Topic Area: Socioeconomic Subtopic Area: Poverty	Total # of persons in poverty universe (which includes everyone except unrelated individuals under 15) with Data Source: Current Population Survey, Annual Social and Economic S	numeric

To view full information on variables selected or to print or export a variable report, click on 'Go To Search Variables'

Go To Search Variables Close Help Clear Selected Variables Select All Variables

If true, then variable has been selected for ex... Num Lock

After conducting a search, the user can view information on all selected variables by checking the box next to “View Selected Variables Only” and then clicking either the “Full Variable Info.” button (or typing “f”) or the “Variable List” button (or typing “v”). Only variables that have been selected will be shown, and any search criteria currently showing in the boxes are not applied.

By clicking on the “Variable Report” button (or typing “r”), the user can create and view a printable, formatted report with information on variables that have been either identified through a search or selected for later export. In addition to viewing and printing a formatted report, the user can work with the information in the report by exporting the information to either an Excel or text file. The information in this report can be exported to an Excel file by

clicking on the “Export Variable Info. to Excel” button (or typing “x”). It can also be exported to a tab-delimited text file by clicking on the “Export Variable Info. to Text” button (or typing “t”). Note that this report includes only variable information, not data values. To view data values, the user must first export and save data to an Excel or text file using the Export Data to File Form and then open the saved file.

2.3 ESPC Select Variables From List Form

Another way to view variables is to click on the “Select Variables from List” button or type the letter “l” (a lowercase letter L) from the main switchboard, as shown in **Exhibit 2**. This will open a form that lists all of the variables in the database. This form is identical to the form returned by the “Variable List” button on the Variable Search Form (**Exhibit 5**), except that it includes all variables in the ESPC Database, not just those that match a search. Instructions for using the Select Variables from List Form can be accessed from this form by clicking on the “Help” button or typing “h.”

The form shows the variable name, variable description, data type, topic area, subtopic area, and data source. The form also includes a column with check boxes that allows the user to select variables for export by clicking on the corresponding boxes. To select all variables in the ESPC Database for future export, click on the “Select All Variables” button (or type “a”). Note that any variables selected through a previous search or during a previous session using the ESPC Database will be selected unless the user clicks the “Clear Selected Variables” button (or type “s”). Similarly, variables selected through this form will remain selected if the user goes to the Variable Search Form unless the user clicks the “Clear Selected Variables” button (or type “s”).

To view full information on the variables selected or to create a printable, formatted report with variable information that can also be exported to an Excel or text file, click on the “Go to Search Variables” button (or type “v”) and follow the procedures for these steps described for the Variable Search Form. Otherwise, clicking the “Close” button (or typing “c”) returns the user to the main switchboard.

2.4 Select States and Dates for Data Export Form

After variables are selected through either of the processes described above, the user can select the States and time periods for which to export data. Clicking the “Select States and Dates” button or typing the letter “s” from the main switchboard (**Exhibit 2**) takes the user to the “Select States and Dates for Data Export” form, shown in **Exhibit 6**. This form takes the user through two steps to select the States and time periods for exporting data. Step 2, which allows the user to identify a date range, is optional. On the screen, this step is preceded by an asterisk (*).

Exhibit 6. Select States and Dates for Data Export form

Follow the steps below to select the states and time periods for which you would like to export data.

***Optional step**

1. On the right, select the states for which you wish to export data or click 'Select All States'.

Select States Below to Limit Export or Click 'Select All States' button to add all.

Selected States for Export	
Alaska	<input checked="" type="checkbox"/>
Alabama	<input checked="" type="checkbox"/>
Arkansas	<input checked="" type="checkbox"/>
Arizona	<input checked="" type="checkbox"/>
California	<input checked="" type="checkbox"/>
Colorado	<input checked="" type="checkbox"/>
Connecticut	<input checked="" type="checkbox"/>
District of Columbia	<input checked="" type="checkbox"/>
Delaware	<input checked="" type="checkbox"/>
Florida	<input checked="" type="checkbox"/>

***2. Enter the date range for which you wish to export data. No dates entered indicates that all data for the selected states will be exported.**

Including dates from: 1/1/05 (MM/DD/YY)

to: 12/31/09 (MM/DD/YY)

[Variable Date Info.](#)

[Clear Dates](#)

[Select All States](#)

[Clear All Selected States](#)

[Close](#)

[Help](#)

Step 1. Select States: This step is required. The user must select the States for which data will be exported from a list on the right side of the form. The user can select individual States by clicking in the box to the right of the State name. A check mark will appear in the box. Clicking the "Select All States" button or typing "s" allows the user to export data for all 50 States and the District of Columbia. Clicking the "Clear All Selected States" button or typing "l" (a lowercase letter L) clears all States that have been selected. An individual State that has been selected can be cleared by clicking in the box to the right of the State name, which will remove the check mark.

Step 2. Date range: This step is optional and is marked with an asterisk on the screen. Records in the ESPC Database are assigned a begin date and end date to represent the time period for the data. The user can enter a date range to limit the time period for which data will be exported. If this step is chosen, the user must enter a “from date” and a “to date.” Dates are entered in the format MM/DD/YY. Data that are reported for a time period that overlaps all or in part with the date range specified will be selected. A small number of records in the ESPC Database are missing a begin date or an end date. Records that have a missing end date will be pulled if the begin date predates or falls within the date selection criteria. Similarly, records that are missing a begin date will be pulled if the end date falls within or after the date selection criteria. If no dates are entered, data for all time periods in the ESPC Database will be exported. Reporting time periods for all variables in the database can be identified by clicking on the “Variable Date Info.” button (or typing “v”). Reporting time periods for selected variables can be identified by viewing the full variable information on the Variable Search Form. The user can clear dates that have been entered by clicking the “Clear Dates” button (or typing “d”).

Instructions for using the Select States and Dates for Data Export form can be accessed from this form by clicking on the “Help” button or typing “h.” Clicking the “Close” button returns the user to the main switchboard.

2.5 ESPC Data Extraction Tool Form

After variables are selected through either of the processes described above, the user can export data for the selected variables. The user can export data to an Excel file or a tab-delimited text file. The saved Excel or text file must be opened to view the exported data. Data cannot be viewed from the user interface.

Clicking the “Export Data to File” button or typing “d” from the main switchboard (**Exhibit 2**) takes users to the “ESPC Data Extraction Tool” form, shown in **Exhibit 7**. This form takes users through three steps to export the data. Instructions for using the ESPC Data Extraction Tool form can be accessed from this form by clicking on the “Help” button or typing “h.” Clicking the “Close” button or typing “c” returns users to the main switchboard.

Exhibit 7. Data Extraction Tool form to export data

The screenshot shows a software window titled "ESPC Database" with a ribbon interface. The ribbon has tabs for "Home", "Create", "External Data", "Database Tools", and "Source Control". Below the ribbon are several groups of icons: "Views" (with a "View" dropdown), "Clipboard", "Font", "Rich Text", "Records", "Sort & Filter" (with "Filter" and "Sort" icons), "Window" (with "Size to Fit Form" and "Switch Windows" dropdowns), and "Find".

Overlaid on this is a smaller window titled "ESPC Data Extraction Tool". Inside this window, the text reads: "To export data from the database, follow the steps below." followed by three numbered steps:

1. Click the button below to pull data for selected variables in preparation for export.
2. Select the format for the data below. The standard format exports data with variable names as column headers (max. of 250 variables) and the long format has variable names as row headers (no limit on number of variables).
3. Click one of the buttons below to export the pulled data to Excel or tab delimited text.

Buttons and controls within the "ESPC Data Extraction Tool" window include:

- A "Pull Data" button.
- An "Export Format:" label followed by a dropdown menu currently showing "Standard".
- Two buttons: "Export Data to Excel File" and "Export Data to Text File".
- "Close" and "Help" buttons in the top right corner.
- A status bar at the bottom with the text "Closes this form" and a "Num Lock" indicator.

Step 1. Pull data. Clicking on the “Pull Data” button or typing “p” extracts the data from the database for the selected variables. A screen will appear asking the user to review the date, variable, and State selections (**Exhibit 8**). If no dates have been selected (i.e., the user has elected to export data for all time periods in the ESPC Database), the boxes for the “from date” and “to date” will be empty. If the selections are not correct, the user clicks the “Cancel the Export” button or types the letter “c.” A message box saying “Pull Data has been cancelled by user” will appear. The user clicks the “OK” button to close the message box and return to the ESPC Data Extraction Tool form. Clicking on the “Close” button or typing the letter “c” returns the user to the main switchboard from which the forms to select variables, States, and dates can be accessed. If the selections are correct, the user clicks the “OK -- Continue” button or types the letter “o” to continue with the export. A “Table Filled” message box will appear when the process is completed and the data are ready to be exported. Depending on the

number of variables selected, it may take some time for the message box to appear. Once the message box has appeared, the user clicks the “OK” button to close the message box and return to the ESPC Data Extraction Tool form to continue the data export.

- Step 2. Select the format for the data. From a drop-down box, the user must select the format for exporting data. The Standard format produces a dataset in which all variables for the same State and time period are combined in a single row, with the variable names as column headers. If the Standard format option is selected, a maximum of 250 variables can be exported. An error message will appear if the limit is exceeded. The user must then reduce the number of variables selected for export or choose the Long data format. The Long format option produces a dataset in which each unique combination of variable name, State, and time period is a separate row. There is no limit on the number of variables that can be exported using the Long format option.
- Step 3. Export the data. The user must choose to export data either to an Excel file or to a tab-delimited text file. After the user selects either the “Export Data to Excel File” button (or types “x”) or the “Export Data to Text File” button (or types “t”), a “Save File” window will open to allow the user to save the file to a designated folder and enter a file name. The first time a data file is saved, the user is taken to the root “C” drive, from which the user can navigate to the desired directory in which to save the file. After this, the default file directory will be the most recent directory to which the user has chosen to export a file. After the user clicks on the “Save” button, a message showing “Data Exported” will appear to inform the user that the file has been saved and the export process is completed. Once the message box has appeared, the user clicks the “OK” button to close the message box and return to the ESPC Data Extraction Tool form. The data export is now complete and the user can click the “Close” button or type “c” to return to the main switchboard.

Exhibits 9 and 10 show an example of an Excel-formatted data file in the Standard format. The file contains two worksheets. The first worksheet (**Exhibit 9**) contains the exported data; the second (**Exhibit 10**) contains the variable list and associated variable information from the database.

Exhibit 8. Selections for Review form

Selections for Review

Please review the Date, Variable, and State Selections

Including dates from: 1/1/05 to: 12/31/09

Variables Selected:

eligibles - # with BOE adult	<input checked="" type="checkbox"/>
Enrollees - # Adult FFS	<input checked="" type="checkbox"/>

States Selected:

Alabama	<input checked="" type="checkbox"/>
Alaska	<input checked="" type="checkbox"/>
Arizona	<input checked="" type="checkbox"/>
Arkansas	<input checked="" type="checkbox"/>
California	<input checked="" type="checkbox"/>
Colorado	<input checked="" type="checkbox"/>
Connecticut	<input checked="" type="checkbox"/>
Delaware	<input checked="" type="checkbox"/>
District of Columbia	<input checked="" type="checkbox"/>
Florida	<input checked="" type="checkbox"/>
Georgia	<input checked="" type="checkbox"/>
Hawaii	<input checked="" type="checkbox"/>

The selections are correct: **OK -- Continue**

The selections are not correct: **Cancel the Export**

Exhibit 9. Example of exported data in Excel, Standard format

	A	B	C	D	E	F	G	H	I	J	K
	Location_Name	Program_Name	Time_Period	Date_Began	Date_End	eligibles - . with BOE adult	Enrollees - . Adult FFS				
1	Alabama	Medicaid	CY 2005	1/1/2005	12/31/2005		76586				
2	Alabama	Medicaid	CY 2006	1/1/2006	12/31/2006		74022				
3	Alabama	Medicaid	CY 2007	1/1/2007	12/31/2007		69137				
4	Alabama	Medicaid	FY 2005	10/1/2004	9/30/2005	183777					
5	Alabama	Medicaid	FY 2006	10/1/2005	9/30/2006	213237					
6	Alabama	Medicaid	FY 2007	10/1/2006	9/30/2007	161637					
7	Alabama	Medicaid	FY 2008	10/1/2007	9/30/2008	146970					
8	Alaska	Medicaid	CY 2005	1/1/2005	12/31/2005		28233				
9	Alaska	Medicaid	CY 2006	1/1/2006	12/31/2006		28264				
10	Alaska	Medicaid	CY 2007	1/1/2007	12/31/2007		26486				
11	Alaska	Medicaid	FY 2005	10/1/2004	9/30/2005	28255					
12	Alaska	Medicaid	FY 2006	10/1/2005	9/30/2006	28862					
13	Alaska	Medicaid	FY 2007	10/1/2006	9/30/2007	27359					
14	Alaska	Medicaid	FY 2008	10/1/2007	9/30/2008	26629					
15	Arizona	Medicaid	CY 2005	1/1/2005	12/31/2005		52049				
16	Arizona	Medicaid	CY 2006	1/1/2006	12/31/2006		51663				
17	Arizona	Medicaid	CY 2007	1/1/2007	12/31/2007		51801				
18	Arizona	Medicaid	FY 2005	10/1/2004	9/30/2005	575811					
19	Arizona	Medicaid	FY 2006	10/1/2005	9/30/2006	574472					
20	Arizona	Medicaid	FY 2007	10/1/2006	9/30/2007	564285					
21	Arizona	Medicaid	FY 2008	10/1/2007	9/30/2008	609237					
22	Arkansas	Medicaid	CY 2005	1/1/2005	12/31/2005		82908				
23	Arkansas	Medicaid	CY 2006	1/1/2006	12/31/2006		68893				
24	Arkansas	Medicaid	CY 2007	1/1/2007	12/31/2007		57410				
25	Arkansas	Medicaid	FY 2005	10/1/2004	9/30/2005	175669					

Exhibit 10. Example of variable information in Excel for the exported data

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
	Variable_Name	Variable_Description	Variable_Type	Variable_Units	Data_Type	Source_Name	Eligibility_Group	Service_Name	Topic_Area	Subtopic_Area	Availability	Periodicity	Variable_Comment	Earliest_Date	Latest_Date
1	eligibles - # with BOE adult	# Medicaid eligibles with basis of eligibility (BOE) adult	program	Number	numeric	CMS MSIS Tables	Adult	Not applicable	Medicaid Enrollment	Eligibility Category	FY: 2005, 2006, 2007, 2008	Annual		10/1/04	9/30/08
2	Enrollees - # Adult FFS	Enrollees - # Adult fee-for-service (FFS)	program	Number	numeric	Mathematica MAX Validation Tables	Adult	Not applicable	Medicaid Enrollment	Eligibility Category	CY: 2005, 2006, 2007, 2008	annual	INFORMATION FOR TOTAL	1/1/05	12/31/08

Exhibit 11 shows an example of an Excel data file with data exported in the Long format. The variable information in the second worksheet is identical to that shown in **Exhibit 10**.

Exhibit 11. Example of exported data in Excel, Long format

	A	B	C	D	E	F	G	H	I	J	K	L	M
	Program_Name	Location_Name	Variable_Name	Time_Period	Date_Began	Date_End	Value	Comment					
1	Medicaid	Alabama	eligibles - # with BOE adult	FY 2005	10/1/2004	9/30/2005	183777						
2	Medicaid	Alabama	eligibles - # with BOE adult	FY 2006	10/1/2005	9/30/2006	213237						
3	Medicaid	Alabama	eligibles - # with BOE adult	FY 2007	10/1/2006	9/30/2007	161637						
4	Medicaid	Alabama	eligibles - # with BOE adult	FY 2008	10/1/2007	9/30/2008	146970						
5	Medicaid	Alaska	eligibles - # with BOE adult	FY 2005	10/1/2004	9/30/2005	28255						
6	Medicaid	Alaska	eligibles - # with BOE adult	FY 2006	10/1/2005	9/30/2006	28862						
7	Medicaid	Alaska	eligibles - # with BOE adult	FY 2007	10/1/2006	9/30/2007	27359						
8	Medicaid	Alaska	eligibles - # with BOE adult	FY 2008	10/1/2007	9/30/2008	26629						
9	Medicaid	Arizona	eligibles - # with BOE adult	FY 2005	10/1/2004	9/30/2005	575811						
10	Medicaid	Arizona	eligibles - # with BOE adult	FY 2006	10/1/2005	9/30/2006	574472						
11	Medicaid	Arizona	eligibles - # with BOE adult	FY 2007	10/1/2006	9/30/2007	564285						
12	Medicaid	Arizona	eligibles - # with BOE adult	FY 2008	10/1/2007	9/30/2008	609237						
13	Medicaid	Arkansas	eligibles - # with BOE adult	FY 2005	10/1/2004	9/30/2005	175669						
14	Medicaid	Arkansas	eligibles - # with BOE adult	FY 2006	10/1/2005	9/30/2006	168848						
15	Medicaid	Arkansas	eligibles - # with BOE adult	FY 2007	10/1/2006	9/30/2007	136917						
16	Medicaid	Arkansas	eligibles - # with BOE adult	FY 2008	10/1/2007	9/30/2008	123924						
17	Medicaid	California	eligibles - # with BOE adult	FY 2005	10/1/2004	9/30/2005	4410395						
18	Medicaid	California	eligibles - # with BOE adult	FY 2006	10/1/2005	9/30/2006	4438122						
19	Medicaid	California	eligibles - # with BOE adult	FY 2007	10/1/2006	9/30/2007	4456303						
20	Medicaid	California	eligibles - # with BOE adult	FY 2008	10/1/2007	9/30/2008	4504837						
21	Medicaid	Colorado	eligibles - # with BOE adult	FY 2005	10/1/2004	9/30/2005	92244						
22	Medicaid	Colorado	eligibles - # with BOE adult	FY 2006	10/1/2005	9/30/2006	98571						
23	Medicaid	Colorado	eligibles - # with BOE adult	FY 2007	10/1/2006	9/30/2007	99335						
24	Medicaid	Colorado	eligibles - # with BOE adult	FY 2008	10/1/2007	9/30/2008	99997						

Because the text format does not have multiple worksheets like the Excel file, the variable information is saved in a different file with “_variables” appended to the end of the file name. **Exhibit 12** shows an example of a text-formatted data file in the Standard format, and **Exhibit 13** shows the variable information exported for the text file. **Exhibit 14** shows an example of a text-formatted data file with data exported in the Long format.

The fields associated with data for Medicaid waivers are somewhat different than the fields for other variables in the ESPC Database. To accommodate this difference, if both Medicaid waiver variables and other variables are selected, the exported data for waiver variables will be in a separate worksheet in the Excel-formatted data file and the file will contain three worksheets rather than two. Three files will be created if the text format is selected, with a separate file for the waiver variables.

Exhibit 12. Example of exported data in text file, Standard format

standard_format.txt - Notepad									
Location_Name	Program_Name	Time_Period	Date_Began	Date_End	eligibles - # with BOE adult	Enrollees - # Adult FFS			
Alabama Medicaid	CY 2005	1/1/2005	12/31/2005		76586				
Alabama Medicaid	CY 2006	1/1/2006	12/31/2006		74022				
Alabama Medicaid	CY 2007	1/1/2007	12/31/2007		69137				
Alabama Medicaid	FY 2005	10/1/2004	9/30/2005	183777					
Alabama Medicaid	FY 2006	10/1/2005	9/30/2006	213237					
Alabama Medicaid	FY 2007	10/1/2006	9/30/2007	161637					
Alabama Medicaid	FY 2008	10/1/2007	9/30/2008	146970					
Alaska Medicaid	CY 2005	1/1/2005	12/31/2005		28233				
Alaska Medicaid	CY 2006	1/1/2006	12/31/2006		28264				
Alaska Medicaid	CY 2007	1/1/2007	12/31/2007		26486				
Alaska Medicaid	FY 2005	10/1/2004	9/30/2005	28255					
Alaska Medicaid	FY 2006	10/1/2005	9/30/2006	28862					
Alaska Medicaid	FY 2007	10/1/2006	9/30/2007	27359					
Alaska Medicaid	FY 2008	10/1/2007	9/30/2008	26629					
Arizona Medicaid	CY 2005	1/1/2005	12/31/2005		52049				
Arizona Medicaid	CY 2006	1/1/2006	12/31/2006		51663				
Arizona Medicaid	CY 2007	1/1/2007	12/31/2007		51801				
Arizona Medicaid	FY 2005	10/1/2004	9/30/2005	575811					
Arizona Medicaid	FY 2006	10/1/2005	9/30/2006	574472					
Arizona Medicaid	FY 2007	10/1/2006	9/30/2007	564285					
Arizona Medicaid	FY 2008	10/1/2007	9/30/2008	609237					
Arkansas Medicaid	CY 2005	1/1/2005	12/31/2005		82908				
Arkansas Medicaid	CY 2006	1/1/2006	12/31/2006		68893				
Arkansas Medicaid	CY 2007	1/1/2007	12/31/2007		57410				
Arkansas Medicaid	FY 2005	10/1/2004	9/30/2005	175669					
Arkansas Medicaid	FY 2006	10/1/2005	9/30/2006	168848					
Arkansas Medicaid	FY 2007	10/1/2006	9/30/2007	136917					
Arkansas Medicaid	FY 2008	10/1/2007	9/30/2008	123924					
California Medicaid	CY 2005	1/1/2005	12/31/2005		376124				
California Medicaid	CY 2006	1/1/2006	12/31/2006		370205				
California Medicaid	CY 2007	1/1/2007	12/31/2007		364397				
California Medicaid	FY 2005	10/1/2004	9/30/2005	4410395					
California Medicaid	FY 2006	10/1/2005	9/30/2006	4438122					
California Medicaid	FY 2007	10/1/2006	9/30/2007	4456303					
California Medicaid	FY 2008	10/1/2007	9/30/2008	4504837					
Colorado Medicaid	CY 2005	1/1/2005	12/31/2005		78301				
Colorado Medicaid	CY 2006	1/1/2006	12/31/2006		72120				
Colorado Medicaid	CY 2007	1/1/2007	12/31/2007		77179				
Colorado Medicaid	FY 2005	10/1/2004	9/30/2005	92244					
Colorado Medicaid	FY 2006	10/1/2005	9/30/2006	98571					
Colorado Medicaid	FY 2007	10/1/2006	9/30/2007	99335					
Colorado Medicaid	FY 2008	10/1/2007	9/30/2008	99097					
Connecticut Medicaid	CY 2005	1/1/2005	12/31/2005		9239				
Connecticut Medicaid	CY 2006	1/1/2006	12/31/2006		11984				
Connecticut Medicaid	CY 2007	1/1/2007	12/31/2007		14859				
Connecticut Medicaid	FY 2005	10/1/2004	9/30/2005	113544					
Connecticut Medicaid	FY 2006	10/1/2005	9/30/2006	115996					
Connecticut Medicaid	FY 2007	10/1/2006	9/30/2007	119746					

Exhibit 13. Example of variable information in text file for the exported data

Standard_Format_Variables.txt - Notepad									
File Edit Format View Help									
Variable_Name	Variable_Description	Variable_Units	Variable_Type	Data_Type	Source_Name	Eligibility_Group	Service_Name		
Topic_Area	Subtopic_Area	Availability	Periodicity	Variable_Comments	Earliest_Data_Date	Latest_Data_Date			
eligibles - # with BOE adult	# Medicaid eligibles with basis of eligibility (BOE) adult	Number	program	numeric	Mathematica	MAX Validation Tables	Adult		
Not applicable	Medicaid Enrollment	Eligibility Category	FY: 2005, 2006, 2007, 2008	Annual		10/1/2004 0:00:00			
9/30/2008 0:00:00									
Enrollees - # Adult FFS	Enrollees - # Adult fee-for-service (FFS)	Number	program	numeric	Mathematica	MAX Validation Tables	Adult		
Not applicable	Medicaid Enrollment	Eligibility Category	CY: 2005, 2006, 2007, 2008	annual	FFS INFORMATION FOR TOTAL MEDICAID				
ENROLLEES (excludes people ever enrolled in HMO/HIOs, with missing eligibility information, S-SCHIP only, FP Only, Aliens with only restricted benefits, duals with restricted benefits only, and prescription drug only enrollees) ---- NOTE: S-SCHIP only, FP Only, duals with restricted benefits, and Aliens with restricted benefits were NOT excluded prior to 2001. Prescription drug only enrollees were NOT excluded prior to 2003. - For the 2008 data, ME was unable to accurately report its IP/LT/OT claims as it did not have a fully functional MMIS. The MAX 2008 files only contain the RX and eligibility information. - For the 2008 data, MA was unable to accurately report its claims as it did not have a fully functional MMIS. The MAX 2008 files only contain claims adjudicated through Q2 FY2009. - For the 2008 data, UT was unable to report all of its claims by the prescribed deadline. The MAX 2008 files only contain claims adjudicated through Q1 FY2009. - For the 2008 data, WI was unable to report all of its claims by the prescribed deadline. The MAX 2008 files only contain claims adjudicated through Q3 FY2009.									
12/31/2008 0:00:00									

Exhibit 14. Example of exported data in text file, Long format

long_format.txt - Notepad

Program_Name	Location_Name	Variable_Name	Time_Period	Date_Began	Date_End	Value	Comment
Medicaid	Alabama	eligibles - # with BOE adult	FY 2005	10/1/2004	9/30/2005	183777	
Medicaid	Alabama	eligibles - # with BOE adult	FY 2006	10/1/2005	9/30/2006	213237	
Medicaid	Alabama	eligibles - # with BOE adult	FY 2007	10/1/2006	9/30/2007	161637	
Medicaid	Alabama	eligibles - # with BOE adult	FY 2008	10/1/2007	9/30/2008	146970	
Medicaid	Alabama	Enrollees - # Adult FFS CY 2005	1/1/2005	12/31/2005		76586	
Medicaid	Alabama	Enrollees - # Adult FFS CY 2006	1/1/2006	12/31/2006		74022	
Medicaid	Alabama	Enrollees - # Adult FFS CY 2007	1/1/2007	12/31/2007		69137	
Medicaid	Alaska	eligibles - # with BOE adult	FY 2005	10/1/2004	9/30/2005	28255	
Medicaid	Alaska	eligibles - # with BOE adult	FY 2006	10/1/2005	9/30/2006	28862	
Medicaid	Alaska	eligibles - # with BOE adult	FY 2007	10/1/2006	9/30/2007	27359	
Medicaid	Alaska	eligibles - # with BOE adult	FY 2008	10/1/2007	9/30/2008	26629	
Medicaid	Alaska	Enrollees - # Adult FFS CY 2005	1/1/2005	12/31/2005		28233	
Medicaid	Alaska	Enrollees - # Adult FFS CY 2006	1/1/2006	12/31/2006		28264	
Medicaid	Alaska	Enrollees - # Adult FFS CY 2007	1/1/2007	12/31/2007		26486	
Medicaid	Arizona	eligibles - # with BOE adult	FY 2005	10/1/2004	9/30/2005	575811	
Medicaid	Arizona	eligibles - # with BOE adult	FY 2006	10/1/2005	9/30/2006	574472	
Medicaid	Arizona	eligibles - # with BOE adult	FY 2007	10/1/2006	9/30/2007	564285	
Medicaid	Arizona	eligibles - # with BOE adult	FY 2008	10/1/2007	9/30/2008	609237	
Medicaid	Arizona	Enrollees - # Adult FFS CY 2005	1/1/2005	12/31/2005		52049	
Medicaid	Arizona	Enrollees - # Adult FFS CY 2006	1/1/2006	12/31/2006		51663	
Medicaid	Arizona	Enrollees - # Adult FFS CY 2007	1/1/2007	12/31/2007		51801	
Medicaid	Arkansas	eligibles - # with BOE adult	FY 2005	10/1/2004	9/30/2005	175669	
Medicaid	Arkansas	eligibles - # with BOE adult	FY 2006	10/1/2005	9/30/2006	168848	
Medicaid	Arkansas	eligibles - # with BOE adult	FY 2007	10/1/2006	9/30/2007	136917	
Medicaid	Arkansas	eligibles - # with BOE adult	FY 2008	10/1/2007	9/30/2008	123924	
Medicaid	Arkansas	Enrollees - # Adult FFS CY 2005	1/1/2005	12/31/2005		82908	
Medicaid	Arkansas	Enrollees - # Adult FFS CY 2006	1/1/2006	12/31/2006		68893	
Medicaid	Arkansas	Enrollees - # Adult FFS CY 2007	1/1/2007	12/31/2007		57410	
Medicaid	California	eligibles - # with BOE adult	FY 2005	10/1/2004	9/30/2005	4410395	
Medicaid	California	eligibles - # with BOE adult	FY 2006	10/1/2005	9/30/2006	4438122	
Medicaid	California	eligibles - # with BOE adult	FY 2007	10/1/2006	9/30/2007	4456303	
Medicaid	California	eligibles - # with BOE adult	FY 2008	10/1/2007	9/30/2008	4504837	
Medicaid	California	Enrollees - # Adult FFS CY 2005	1/1/2005	12/31/2005		376124	
Medicaid	California	Enrollees - # Adult FFS CY 2006	1/1/2006	12/31/2006		370205	
Medicaid	California	Enrollees - # Adult FFS CY 2007	1/1/2007	12/31/2007		364397	
Medicaid	Colorado	eligibles - # with BOE adult	FY 2005	10/1/2004	9/30/2005	92244	
Medicaid	Colorado	eligibles - # with BOE adult	FY 2006	10/1/2005	9/30/2006	98571	
Medicaid	Colorado	eligibles - # with BOE adult	FY 2007	10/1/2006	9/30/2007	99335	
Medicaid	Colorado	eligibles - # with BOE adult	FY 2008	10/1/2007	9/30/2008	99097	
Medicaid	Colorado	Enrollees - # Adult FFS CY 2005	1/1/2005	12/31/2005		78301	
Medicaid	Colorado	Enrollees - # Adult FFS CY 2006	1/1/2006	12/31/2006		72120	
Medicaid	Colorado	Enrollees - # Adult FFS CY 2007	1/1/2007	12/31/2007		77179	
Medicaid	Connecticut	eligibles - # with BOE adult	FY 2005	10/1/2004	9/30/2005	113544	
Medicaid	Connecticut	eligibles - # with BOE adult	FY 2006	10/1/2005	9/30/2006	115996	
Medicaid	Connecticut	eligibles - # with BOE adult	FY 2007	10/1/2006	9/30/2007	119746	
Medicaid	Connecticut	eligibles - # with BOE adult	FY 2008	10/1/2007	9/30/2008	130396	
Medicaid	Connecticut	Enrollees - # Adult FFS CY 2005	1/1/2005	12/31/2005		9239	
Medicaid	Connecticut	Enrollees - # Adult FFS CY 2006	1/1/2006	12/31/2006		11984	

2.6 Supporting Information on Data Sources Form

Clicking the “Supporting Information on Data Sources” button or typing “i” from the main switchboard takes the user to the Supporting Information on Data Sources form, shown in **Exhibit 15**. This form includes information on data sources for all variables in the ESPC Database (not only those selected through a search) and other relevant documentation. Information on the Supporting information on Data Sources form can be accessed from this form by clicking on the “Help” button or typing “h.” Clicking the “Close” button or typing “c” returns users to the main switchboard.

Exhibit 15. Supporting Information on Data Sources Form

The screenshot shows a web browser window titled "Supporting Information - ESPC Database". The browser's address bar and navigation buttons are visible at the top. The main content area of the browser displays a form titled "Supporting Information on Data Sources" in a large, bold, black font. Below the title, there are two buttons: "View All Data Sources" and "View All Documents", both in blue text. In the top right corner of the form, there are two buttons: "Close" and "Help". The "Close" button is highlighted with a yellow border. At the bottom of the browser window, there is a status bar with the text "Closes this form" on the left and a series of small icons on the right.

Clicking the “View All Data Sources” button or typing “s” takes the user to data source information, including the name of the data source; time period of the data; comments on the data source; and a URL link to the Web site related to the data source, if applicable. This is shown in **Exhibit 16**. Clicking the “Close” button or typing “c” returns the user to the Supporting Information on Data Sources form.

Similarly, clicking the “View All Documents” button or typing “d” takes the user to the form that contains all documents related to the data sources, as shown in **Exhibit 17**. The user can move among the documents with information on each data source by clicking on the “Forward” button (or typing “f”) or on the “Back” button (or typing “b”). Arrow buttons in the lower left corner can also be used to scroll through the documents. Clicking the “Close” button or typing “c” returns users to the Supporting Information on Data Sources form.

This form includes three windows: document name, document description, and document. The user can double-click the document window (or click in the box and hit Control+Enter) to view the complete document in PDF format for each document record. The document can be closed either by clicking the “X” in the upper right corner of the document or hitting Control+Q.

Exhibit 16. Data Sources List Form

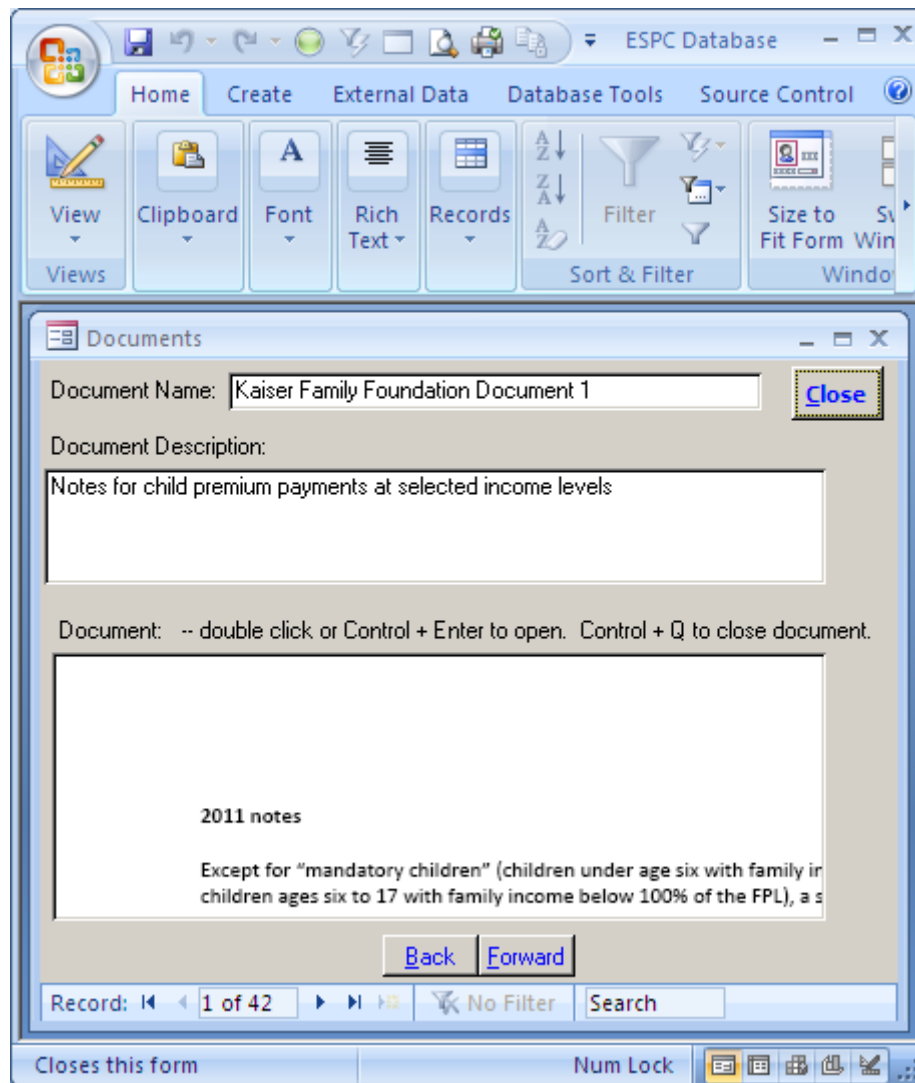
Data Sources List - ESPC Database

Home Create External Data Database Tools

Source Name	Source Period	Comment
Mathematica Waiver Crosswalk	2005, 2006, 2007	
Link:		
CMS Medicaid Managed Care Enrollment Report	2005 to 2009	
Link:	http://www.cms.gov/MedicaidDataSourcesGenInfo/04_MdManCrEnrllRep.asp	
CMS MSIS Tables	2005, 2006, 2007	The 25 MSIS statistical tables contain national state-by-state data. These tables contain high-
Link:	http://www.cms.gov/MedicaidDataSourcesGenInfo/MSIS/list.asp	
Mathematica MAX Validation Tables	2005, 2006, 2007	
Link:		
Kaiser Family Foundation	FY 2005 to 2011	
Link:	http://www.statehealthfacts.org/	
National Association of State Budget Officers State Expenditure Report	2005, 2006, 2007, 2008, 2009	
Link:	http://www.nasbo.org/Publications/StateExpenditureReport/tabid/79/Default.aspx	
Shaping Long Term Care in America Project at Brown University funded in part by the	2000 - 2004	2005 and later data are forthcoming in 2011
Link:	lfcfocus.org	
Pharmaceutical Benefits under State Medical Assistance Programs, National Pharme	2005/2006, 2007	The following statement is copied from the front matter of the publication: "Information for this
Link:	www.npcnow.org	
Behavioral Risk Factor Surveillance System	2005 - 2009	
Link:	http://apps.nccd.cdc.gov/BRFSS/	
Current Population Survey, Annual Social and Economic Supplement	2005 - 2010	
Close		

Data source name

Exhibit 17. Documents Form



The screenshot shows the 'Documents' form within the 'ESPC Database' application. The form has a ribbon-style menu at the top with tabs: Home, Create, External Data, Database Tools, and Source Control. The 'Home' tab is active, showing buttons for View, Clipboard, Font, Rich Text, Records, Filter, Sort & Filter, and Size to Fit Form Window. The main form area contains the following fields and controls:

- Document Name:** A text box containing 'Kaiser Family Foundation Document 1' and a 'Close' button.
- Document Description:** A text box containing 'Notes for child premium payments at selected income levels'.
- Document:** A text box containing the text: '2011 notes' followed by 'Except for "mandatory children" (children under age six with family income below 100% of the FPL), a s'. Below this text box are 'Back' and 'Forward' buttons.
- Record:** A status bar at the bottom showing 'Record: 1 of 42' and a 'No Filter' button.

The bottom of the window shows a taskbar with 'Closes this form' and 'Num Lock' buttons, along with a system tray containing icons for a folder, a document, a printer, and a network connection.

Appendix A: Data sources for the Environmental Scanning and Program Characteristics database

Sources for Medicaid and CHIP program characteristics	Years of data in database
CMS MSIS Tables	2005-2008, depending on variable
CMS Medicaid Managed Care Enrollment Report	2005-2010, depending on variable
Kaiser Family Foundation	2005-2012, depending on variable
MACStats	1997, 2009, and 2011, depending on variable
Mathematica MAX Validation Tables	2005-2008, depending on variable
Mathematica Waiver Crosswalk	2005-2008
Medicaid Managed Care Summary Report	2009
Medicaid Model Data Lab	2010 or 2012, depending on variable
National Academy for State Health Policy	2005 and 2008, depending on variable
National Association of State Budget Officers State Expenditure Report	2005-2010
Pharmaceutical Benefits under State Medical Assistance Programs, National Pharmaceutical Council, Inc.	2005-2007, depending on variable
Shaping Long Term Care in America Project at Brown University funded in part by the National Institute on Aging (1P01AG027296)	2000-2009

Sources for environmental factors	Years of data in database
Behavioral Risk Factor Surveillance System	2005-2010, depending on variable
Current Population Survey, Annual Social and Economic Supplement	2005-2010
Kaiser Family Foundation	2005-2009
National Healthcare Quality and Disparities Reports	2006-2008
National Immunization Survey	2005-2010, depending on variable
Pharmaceutical Benefits under State Medical Assistance Programs, National Pharmaceutical Council, Inc.	2005, 2005/2006
Small Area Health Insurance Estimates	2005-2009, depending on variable
VitalStats, National Vital Statistics System, National Center for Health Statistics	2005-2008, depending on variable

Appendix B: Program factors topic and subtopic areas in the Environmental Scanning and Program Characteristics database

Program factors topic area	Program factors subtopic areas
CHIP Benefits	Copayments Premiums Unborn children
CHIP Eligibility	Application Process Income Disregards Income Limits
CHIP Enrollment	Childless adult Delivery System Enrollment Parents Pregnant women Premium Assistance Total Enrollment Total by income Unborn children
CHIP Expenditures	Expenditures FMAP
CHIP Structure	Delivery System Health Information Technology (HIT) Performance Measurement Premium Assistance Program Information
Medicaid Benefits	Copayments Coverage Limits Covered Service Populations Covered Prior Approval Reimbursement Methodology
Medicaid Eligibility	Assets Continuous Eligibility Eligibility Category Income Disregards Income Limits Presumptive Eligibility

(continued)

Program factors topic area	Program factors subtopic areas
Medicaid Enrollment	Age Benefit Coverage Delivery System Dual Eligibles Eligibility Category Enrollment Managed Care Race/Ethnicity
Medicaid Expenditures	DSH Delivery System Eligibility Category Expenditures FMAP State Budget Type of Service
Medicaid Long-Term Care	Community-Based Expenditures Income Limits Institutional Number of Users
Medicaid Managed Care	Covered Service Dates Delivery System Dual Eligibles Eligibility Category Enrollment Excluded populations Geography Served Guaranteed eligibility Included populations Lock-in provision Primary care providers Program Information Quality activities Reimbursement arrangement Special needs

(continued)

Program factors topic area	Program factors subtopic areas
Medicaid Pharmacy	Copayments Coverage Expenditures Number of Users Payment Method
Medicaid Provider Payment Policies	Provider Fees
Medicaid Structure	Program Information
Medicaid Utilization	Medicaid Births
Medicaid Utilization	Number of Users
Medicaid Waivers	Enrollment Expenditures Number of Users Waiver Type
Supply: Facility	Home Health Hospital ICF-MR Nurse Safety Net

Appendix C: Environmental factors topic and subtopic areas in the Environmental Scanning and Program Characteristics database

Environmental factors topic area	Environmental factors subtopic areas
Access to Care	Insurance Utilization
Demographics	Births Mortality-Age
Health Status	General health Obesity Oral Health Physical Activity Tobacco Use
Quality of Care	Incidence of Procedure/Screening/Vaccination
Socioeconomic	Poverty
Supply: Facility	Nurse Pharmacy
Supply: Personnel	Pharmacist Physician

Appendix D: Eligibility groups in the Environmental Scanning and Program Characteristics Database

- Adult
- Aged
- Aged, Blind, Disabled
- All eligibility groups
- Child
- Childless Adult
- Disabled
- Dual Eligible
- Foster child
- Non-dual Eligible
- Other
- Parents
- Pregnant Women
- Special needs
- Unborn children
- Undocumented immigrants
- Unspecified
- Not applicable

Appendix E: Medicaid- or CHIP-covered services in the Environmental Scanning and Program Characteristics database

- Clinic
- Community-based long-term care
- Dental
- Devices
- EPSDT
- Eye
- Family Planning
- Hearing
- Inpatient hospital
- Institutional long-term care
- Laboratory and X-ray
- Medical equipment and supplies
- Mental health and substance abuse treatment
- Not applicable
- Occupational, physical, speech therapy
- Other practitioners
- Other services
- Outpatient hospital
- Over-the-counter medications
- Pharmacy
- Physician
- Pregnancy, labor & delivery
- Prescription drugs
- Rehabilitation
- Transportation
- Wellness and prevention