Step-by-Step Visual Guide to IQuery



Welcome to IQuery, your headquarters for public health data in Illinois.

This new Web site has been designed to be easy to use and easy to understand. This Step-by-Step Guide is divided into two sections. The first 13 pages illustrates the main sections of the system. The second section details three different examples of data searches.

IQuery is a new system, but will be growing quickly, with new reporting tools and new data sources. Feel free to experiment with data searches as you learn to use IQuery, and please leave your feedback to improve the system.

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Updates to this document will be available at the IQuery Web site <u>iquery.illinois.qov</u>

Hilinois Department of RUBLIC IQ HEALTH IQ Health Indicators	uery	Home New Data Searc Help and Trainir
 Adverse Pregnancy Outcomes Reporting Maternal and Infant Causes of Death 	To select a Health Indicator , begin by selecting a health indicator cat left. When you select a category, this tip will be replaced by a list of ind by clicking on the check boxes. After selecting an indicator, you must select at least one Geographic a Period . You may click the black Get Results bar below, or make your choosing Population Demographics .	egory from the list on the licators, which you select Area and one Time search more specific by
Geographic Area		
Time Period		
Population Demographics		
Get Results		
Home About	TOuery Contact Us Feedback Help F&O Privacy Policy TDP	4

The main data search page has five "tabs" — the brightly-colored wide bands across the screen that define the choices you can make and have made. Each tab expands when you click it.

To search the available public health data, select the data in which you are interested, and then what kind of details you want. For a simple data search, you may select one **Health Indicator**, one **Geographic Area**, and one **Time Period**, and then click on **Get Results**.

You also can make much more specific choices. Please note that the system is designed to present the data that is available. If you make a broad search (three different diseases in five metropolitan counties for the last 10 years), you will get a lot of data. If you make

a very specific search (death by chronic liver disease in one small county in 2001), then you will get a small amount of data.

Clicking on **Get Results** will give you a table of information that you can print, export to a spreadsheet, save as a PDF, or display in graphs.

Tip: Move your mouse over headings on screen and additional information will appear.

Health Indicators	uery	New Data Search Heip and Training	Tip: Click on th blue question
Adverse Pregnancy Outcomes Reporting Maternal and Infant Causes of Death	Deaths by accidents Deaths by acute bronchilts and bronchiolits Deaths by acute bronchilts and bronchiolits Deaths by Alzheimer's disease Deaths by anemias Deaths by anemias Deaths by aschild and bronchilde Deaths by aschild bronchilde D	-	mark for more informatio about the healt indicator.

When you select one of the **Health Indicator** categories on the left, the available indicators appear on the right.

PUBLIC IQUERY		Home New Data Search Help and Training
Health Indicators	Deaths by accidents	•
Adverse Pregnancy Outcomes Reporting Maternal and Infant Causes of Death	 Deaths by accidents (a) Deaths by acute bronchitis and bronchiolitis (a) Deaths by Alzheimer's disease (a) Deaths by anomias (b) 	A III
	Deaths by archite set of the set	
Geographic Area		Đ

When you select a single **Health Indicator**, that indicator name appears on the green tab above the indicator list.

RUBLIC IQUERY		Home New Data Search Help and Training
Health Indicators	Multiple	Θ
 Adverse Pregnancy Outcomes Reporting Maternal and Infant 	 Deaths by accidents @ Deaths by acute bronchitis and bronchiolitis @ Deaths by Alzheimer's disease @ 	Ē
Causes of Death	 Deaths by anemias Deaths by aortic aneurysm and dissection Deaths by assault (homicide) Deaths by atherosclerosis 	
Geographic Area		Ð

If you select more than one **Health Indicator**, "Multiple ..." appears in the tab above the list.

Tip: Click on the "New Data Search" button at any time to reset or restart your search.

PUBLIC HEALTH	Query	Home Data Search and Training
Health Indicators	Deaths by accidents	6
CountyRegionalState of Illinois	To narrow your results by Geographic Area, please select an area category from the left. Different area types (for example: county, city, state) may be available, dependi data in the system for the indicator you have chosen. If you have selected multiple Health Indicators , your options for Geographic Area o limited to what types are available for all selected indicators. Click on New Data Search in the upper-right corner to start over.	e list on the ng on the vill be
Time Period Population Demographi	cs	•
Get Results		ę

Click on the orange **Geographic Area** tab and different types of areas will appear (county, region, state of Illinois, etc.). Your area choices depend on what geographic areas are represented in the system. If the data are not available by a particular kind of geography, like city or state, then you will not see that choice on the left side.

	Ruery Home New Data Sea Help and Train	rch ning
Health Indicators	Multiple	0
Geographic Area		Θ
 County State of Illinois 	To narrow your results by Geographic Area, please select an area category from the list on the left. Different area types (for example: county, city, state) may be available, depending on the data in the system for the indicator you have chosen. If you have selected multiple Health Indicators , your options for Geographic Area will be limited to what types are available for all selected indicators. Click on New Data Search in the upper-right corner to start over.	ne ;
Time Period		Ð
Population Demograph	ics	Ð
Cot Booulto		6

In this example, the user has selected more than one **Health Indicator**. IQuery will show all the possible types of **Geographic Area** that are available for ALL of the indicators chosen. The choice for "Regional" has disappeared, because data for "Regional" is not present for all of the indicators chosen.

lealth Indicators	Death	s by accidents			•
Geographic Area	Adam	s			• •
County	Adams	Alexander	Bond	Boone	
Regional	Brown	Bureau	Calhoun	Carroll	
 State of Illinois 	Cass	Champaign	Christian	Clark	
	Clay	Clinton	Coles	Cook	
	Crawford	Cumberland	Dekalb	Dewitt	-
	Select / Unsel	ect All			
Time Period					÷
Population Demograph	nics				Ð

When you select a single **Geographic Area**, that indicator name appears on the green tab above the indicator list.

BUBLIC HEALTH	Query			H New Da Help ar	tome tata Search Ind Training	Tip: Click on the scroll bar to see the rest of your choices (in this case, counties listed after DeWitt).
Health Indicators	Death	s by accidents			Ð	
Geographic Area	Multip	le			•	←
County Regional State of Illinois	Adams Adams Brown Cass Clay Crawford Select / Unsel	 Alexander Bureau Champaign Clinton Cumberland 	 Bond Calhoun Christian Coles Dekalb 	 Boone Carroll Clark Cook Dewitt 	× m	
Time Period Population Demograph	iics				₽	
Get Results					0	
Home	About IQuery Contact U	s Feedback Help	FAQ Privacy Policy	/ IDPH		

If you select more than one **Geographic Area**, "Multiple ..." appears in the tab above the list.

BUBLIC HEALTH	Query		Home New Data Search Help and Training
lealth Indicators	Deaths by accid	ents	G
Geographic Area	Multiple		÷
Time Period			0
Annual	2007	2006	
	2005	2004	
	2003	2002	
	2001	2000	
	Select / Unselect All		
Population Demograph	ics		A

The choices for **Time Period** will vary with the other selections you have made. In this example, "Deaths by accidents" is available by individual years, beginning with the year 2000.

Note: Most data in IQuery is available from 2000. The most recent data is from 2008.

RUBLIC HEALTH	Home New Data Search Help and Training			
Health Indicators	Babies born at less than 27 weeks with birth defects	•		
Geographic Area	Multiple	•		
Time Period		Θ		
Five Year	 1999-2003 1994-1998 1989-1993 			
	Select / Unselect All			
Population Demographics		Ð		
Get Results		Ð		

"Babies born at less than 27 weeks with birth defects" is stored and reported only in five-year ranges, beginning with 1989—1993.

lealth Indicators	Appen	dix cancer incidence		e
eographic Area	Illinois			e
îme Period	2007			e
opulation Demogra	phics			e
Race	Ethnicity	Gender	Age Groups	
Black Other White	Hispanic Non-Hispanic	Female Male	15 to 19 25 to 29 30 to 34 35 to 39	* III *
C Show Detail	C Show Detail	Show Detail	E Show Detail	

Health Indicators have different sets of demographic variables. For example, this indicator example has details for race, ethnicity, gender and 14 five-year age ranges.

lealth Indicators	Babies	born to mothers who	smoke during pregnand	y C
Geographic Area	DeWitt			e
Time Period	2007			6
opulation Demogr	aphics			G
Race	Ethnicity	Gender	Age Groups	
White	Hispanic Non-Hispanic	Female Male	15 to 24 25 to 44	
Show Detail	Show Detail	Show Detail	Show Detail	

Note: The data for IQuery indicators is collected in different ways by different offices, so the demographic details vary by indicator as well.

The demographic choices are reduced as your choices narrow. In this example, selecting a single county and year results in fewer demographic descriptors.

	Aure Data Sear New Data Sear Help & Guidan	ch te
Health Indicators	Babies born at 27-36 weeks with birth defects	0
Geographic Area	Illinois	Ð
Time Period	2004	0
Population Demographic	cs	Θ
	Some data in HQ Illinois has information about race, ethnicity, gender or age groups, and som does not. Seeking further Geographic Area or Time Period detail may also limit the Population Demographics details available to you. Prease note that some combinations of choices may show no results, because the system has no data that matches your selection.	e
Get Results		Ð
Home About	IQuery Contact Us Feedback Help FAQ Privacy Policy IDPH	

Some **Health Indicators** do not include demographic details, or the specificity of the data search returns results without demographic details.



After selecting **Health Indicators**, **Geographic Area**, **Time Period** and **Population Demographics**, you are ready to **Get Results**!

Results are presented as a table. Above the table is the name of the indicator, the source of the data, the contact office for the data, and a brief description of the data. You also can click on the link "More information about this indicator," which will give you a pop-up window with all of the information IQuery has about that indicator. Definitions of the rates are listed below the tables.

Below the Get Results are four icons that represent ways to use the results table:



Click on the "Export all tables to Excel" icon to open your spreadsheet program with data from all the tables in your results.



Click on the "Save all tables as PDF" icon to make a PDF file of the table data and open it in Adobe Acrobat Reader.



Click on the "Print Data Search Results" icon to open a new pop-up window with basic text formatting for printing.



Clicking on the "New Data Search" icon resets all your choices and starts a new data search (the same effect as clicking on the "New Data Search" button at the upper-right corner of the screen).

The Name of the Health Indicator appears in bold above each table

Source: The name of the dataset that includes this indicator, or the state agency or department that is responsible for maintaining the data **Contact:** The name of the office and its telephone number (Click on this link for <u>More information about this indicator</u>)

Description: A short description of the indicator. More information is available from the link above.

Note: The results for each indicator are presented in individual tables.



Babies born to mothers who smoke during pregnancy Source: IDPH Vital Statistics Contact: IDPH IIIInois Center for Health Statistics 217-785-1064 <u>More information about this indicator</u> Description: the number of live births among mothers who smoked during pregnancy.

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Area	Period	Race	Gender	Ethnicity	Age Range	Count	Age-adjusted Rate	LCI	UCI
Illinois	2007	ALL	ALL	ALL	ALL	15,179	119.5	117.6	121.4
Dewitt	2007	ALL	ALL	ALL	ALL	47	324.8	247.8	418.1
Illinois	2007	White	Female	Hispanic	15 to 24	133			
Illinois	2007	White	Female	Non-Hispanic	15 to 24	2,838			
Illinois	2007	White	Male	Hispanic	15 to 24	126			
Illinois	2007	White	Male	Non-Hispanic	15 to 24	2,943			
Illinois	2007	White	Female	Non-Hispanic	25 to 44	2,709			
Illinois	2007	White	Male	Non-Hispanic	25 to 44	2,904			
Dewitt	2007	White	Female	Hispanic	15 to 24	***			
Dewitt	2007	White	Female	Non-Hispanic	15 to 24	***		I	
Dentite	2007	terbine.	Adala.		15 74	***			

Note: If any of the rate or count columns have asterisks, then the rates are too small to be reported. If there are no cases (the count is equal to zero), the system will not present any data.

Area	Period	Count	Crude Rate	AAR (Age-adjusted Rate)	Rate Type	Lower and Upper Confidence Intervals
The areas an periods chos data search. totals will be cluded autor if available.	d en in the Illinois in- natically	The number of events or occur- rences of the indicator.	A crude rate is the in a specified popu- tical process app other health outco ent age structures presented above the column for rate	number of new cases ilation per year. Age-a olied to rates of disease omes which allows con to be compared. Rat if the data is available es above is blank, ther able.	(or deaths) occurring adjustment is a statis- e, death, injuries or mmunities with differ- ces are calculated and to calculate them. If n no rate data is avail-	A confidence interval is a range around a measurement that conveys how precise the measurement is. See Glossary for more information.



Display Graphs for This Table: Clicking on the graph icon brings up a new window with a bar graph of the data for a single indicator. If your table has multiple indicators, you must return to the tabular results to graph each individual indicator. A simple data search — one indicator, one county, three years — results in a simple table, like the one below.

Deaths Source: Il Contact: I	by acci linois data DPH Illino	dents a from ID bis Center	PH and national data fro r for Health Statistics 2	m NCH: 17-785	5 Vital 5 -1064	Statistics System. <u>More information about</u>
Area	Period	Count	Age-adjusted Rate	LCI	UCI	
Illinois	2005	4,157	32.9	31.9	33.9	
Illinois	2006	4,401	34.5	33.5	35.6	
Illinois	2007	4,319	33.7	32.7	34.7	
Adams	2005	23	29.7	17.3	47.6	
Adams	2006	21	25.3	13.9	42.5	
Adams	2007	26	32.5	19.3	51.3	

The resulting graph gives you additional tools to look at the data results.



	s: The num	nber of deaths by	accidente.					
Ш								
Aree	Period	Crude Rate	Age-Adjusted	Rete	Rete Type	Rece	Gender	Count
Illinoia	2004	32.2		6.4	Per 100,000			4,077
Adama	2004	34.5		5.5	Per 100,000			23
Adoma	2004					Black	Male	1
Adama	2004					white	female	10
Adama	2004					white	Male	12
Brown	2004	44.2		8.3	Per 100,000			3
Brown	2004					white	Male	3
Coss	2004	29.4		6.4	Per 100,000			4
Com	2004					white	remale	1
Com	2004					white	Male	3
Illineis	2005	32.7		6.4	Per 100,000			4,157
Adama	2005	34.4		5.6	Per 100,000			23
Adama	2005					Black	Male	1
Adama	2005					white	female	8
Adama	2005					white	Male	- 14
Coss	2005	36.7		6.6	Per 100,000			
Com	2005					white	female	2
Coss	2005					white	Male	3
Illinois	2006	34.5		0.9	Per 100,000			4,400
Adama	2006	31.4		4.9	Per 100,000			21
Adama	2006					Black	remale	1
Adama	2006					white	remale	8
Adama	2006					white	Male	12
Brown	2006	60.5		8.1	Per 100,000			4
Brown	2006					white	female	2
Brown	2006					white	Male	2
Com	2006	29.6		5.1	Per 100,000			- 4
Coss	2006					white	female	4
Illinoia	2007	33.7		6.5	Per 100,000			4,319
Adama	2007	35.9		6.1	Per 100,000			26
Adama	2007					Black	Male	1
Adama	2007					white	female	15
Adoma	2007					white	Male	10
Brown	2007	15.5		4.6	Per 100,000			1
Brown	2007					white	Male	1
Com	2007	103.0		19.0	Per 100,000			14
Cena	2007					white	female	
Com	2007					white	Male	8

The default graph (the one usually shown at first) shows the age-adjusted rate for the selected **Health Indicator** over all of the selections for **Geographic Area** and **Time Period.**

This data search example — one indicator, three counties, three years, race and gender — results in a large table that may be easier to understand as a graph.





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The default graph (the one usually shown at first) shows the age-adjusted rate for the selected **Health Indicator** over all of the selections for **Geographic Area** and **Time Period**.



You also can view the data as a crude rate by clicking on a radio button under **Compare.** If the data includes a state total, that is included in the graph by default; this can be de-selected under "State Count."



Counts are the actual number of cases for a particular **Health Indicator**.



If you had selected "Show Detail" in any of the **Population Demographic** categories, you will have the option of viewing the different counts by your demographic choices.

Very Important Tip: Select and de-select different choices under the Area and Period list boxes by holding down the "CTRL" key on your keyboard while clicking with the left button of your computer's mouse.



In this example, the user is viewing all three of the areas (counties) from the data search, but only one of the periods (years).



In this example, the user is viewing all four of the periods (years) from the data search, but only one of the areas (counties). You also have the option to show the data in comparison to a state total or not.



Note in the example above that there is a gap in the data for Brown County in 2005. If the data shows no counts for a particular combination of indicator/area/period, then a rate cannot be calculated and the space for that value is empty.

Step-by-Step Data Search Example #1

Click on "New Data Search" button to reset all the selections.



Scroll down to, and select, "Babies born to mothers who drink alcohol during pregnancy."

	IQUERY New Data Search Help and Trainin	:h Ig
Health Indicators during pregnancy	Babies born to mothers who drink alcohol	•
Geographic Area	Illinois	•
 County Regional State of Illinois 	☑ Illinois	
	Select / Unselect All	

Select "State of Illinois."

uuning pregnancy		
Geographic Area	Illinois	
Time Period	Multipl	e
Annual	☑ 2008	☑ 2007
	2006	☑ 2005
	☑ 2004	☑ 2003
	☑ 2002	☑ 2001
	☑ 2000	
	Select / Unselect All	
Population Demogra	phics	

Click on "Select/Unselect All" to select all years.

In this example, make no selections for **Population Demographic** detail. Then click on **Get Results**.
 Babies born to mothers who drink alcohol during pregnancy

 Source: IDPH Vital Statistics

 Contact: IDPH Illinois Center for Health Statistics
 217-785-1064
 More information about this indicator

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t 1			

Area	Period	Count	Age-adjusted Rate	LCI	UCI			
Illinois	2000	969	7.6	7.1	8.1			
Illinois	2001	819	6.5	6.0	6.9			
Illinois	2002	753	6.0	5.5	6.4			
Illinois	2003	660	5.3	4.9	5.7			
Illinois	2004	2,708	21.6	20.8	22.4			
Illinois	2005	573	4.6	4.2	5.0			
Illinois	2006	629	5.1	4.7	5.4			
Illinois	2007	492	3.9	3.6	4.3			
Illinois	2008	504	4.1	3.7	4.4			

Age-adjustment is a statistical process applied to rates of disease, death, injuries or other health outcomes which allows communities with different age structures to be compared. Age-adjusted Rate is expressed as the number of cases Per 100,000 Population (US 2000 std) with 95% confidence level. If a result is ***, it means that the value is small and is suppressed to ensure confidentiality and meaningful data.

The resulting table displays the counts and the age adjusted rate, along with an upper and lower confidence level. Above the table is information about your data search selections. Below the table are explanatory notes about the rate methodology and data display. More information is available about the health indicator itself at the underlined link above.

Note: The title of the graph changes according to the selections you make below.





This bar graph displays counts for the data indicator you selected, by years.

This bar graph displays age-adjusted rates for the years and geographic area you selected.

Step-by-Step Data Search Example #2

Click on "New Data Search" button to reset all the choices.

BUBLIC HEALTH	lQuery	Home New Data Search Help & Guidance
Health Indicators	Multiple	Θ
Adverse Pregnancy Outcomes Reporting Cancer Causes of Death Maternal and Infant	Babies born at 27-36 weeks with birth defects Babies born at 27-36 weeks with Down Syndrome Babies born at 27-36 weeks with Neural Tube Defect preser Babies born at 27-36 weeks with no birth defects Babies born at 37+ weeks with birth defects Babies born at 37+ weeks with Down Syndrome Comparison C	rt @
Geographic Area	Illinois	÷
Time Period		Ð
Population Demographi	CS	÷
Get Results		0
Home About IQ	uery Contact Us Feedback Help FAQ Privacy Pol	licy IDPH
	Internet Protected Modes	On 🖓 🕶 🔍 100%

Health Indicators: Select "Adverse Pregnancy Outcomes Reporting." Scroll down the list to select the four Health Indicators related to Down Syndrome.

Geographic Area: Select "State of Illinois" (the only choice).

RUBLIC HEALTH	Query	Home New Data Search Help & Guidance
Health Indicators	Multiple	¢
Geographic Area	Illinois	÷
Time Period	Multiple	÷
Population Demographics	5	÷
Get Results		•
	🍓 🏂 🔍 🎍	
Bables born at 27-36 week	s with Down Syndrome	
Contact: IDPH Division of Epidemic Description: Down syndrome is a d	logic Studies 217-785-1873 <u>More information about this indic</u> hild diagnosed with Down syndrome by a doctor or chromosomal	ator test.
III		
Area Period Crude Rate	Age-Adjusted Rate Rate Type Count	
Illinois 1994	Per 100,000 44	

Time Period: Click on "Select/Unselect All" to select all years.

There are no **Population Demographics** details at the "State of Illinois" level for this indicator because these details are not present in the data. Therefore, continue by clicking on **Get Results**.

	Multiple				
	Illinois				
	Multiple				
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040/45 00	57N 20 27*36 W	eaks with Down	synarome		
Contact: 104	PH ONIEION of Rold	emblogic Studies 21	-765-1872 Hora Information ab	ut the Indextor	
ш					
Aree 8	Period Crude	Rete Age-Adju	sted Rete Rete Type	Count	
Tionia 1	1994		Per 100,000	44	
Silves 1	1995		VEV 100,000	20	
Silveta S	1995		Per 100,000	54	
Slineta S Slineta S Slineta S	1995 1996 1997		Per 100,000 Per 100,000	35 54 45	
Illinois I Illinois I Illinois I Illinois I	1995 1996 1997 1999 1000		Per 100,000 Per 100,000 Per 100,000 Per 100,000	55 54 48 53	
211 mota 2 211 mota 2 211 mota 2 211 mota 2 211 mota 2 211 mota 2 211 mota 2	1995 1996 1997 1999 2000 k the rumber of r	0.7 Tev caces (or destra	Per 100,000 Per 100,000 Per 100,000 0.3 Per 100,000 0.3 Per 100,000	23 54 48 33 81 0 Ser year:	
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After you have clicked on Get Results, you have the choice to export all tables to Excel, save the tables as a PDF, or print the tables. The information is the same in each case, but the formatting is slightly different.

Export all tables to Excel

Save all tables as PDF

Print all tables

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AI • Ja Bables bolli							Illinois	1997			Per 100,000	48
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4	Area	Period	Crude Rate	Age-Adjusted	Rate Type	Count	populatio	on per yea	number of new	cases (or seaths) occu	ming in a specifi	E
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5 Down syndrome by a doctor or chromosomal test.	lanos	1994			Per 100,000	44	Rates an	d. e calculate	ed and presente	d above if the data is	available to calcu	late them.
6	linos	1995			Per 100,000	35	If the co have do	lumn for r uble-aster	ates above is bl isks, then the n	lank, then no rate data stes are too small to b	is available. If t e reported.	he columns
7 Are Peri Crude Age-Adjusted Bate Co	lanos	1996			Per 100,000	24						
9 Illinoi 1995 Per 35	Illinois	1997			Per 100,000	48						
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11 Illinoi 1997 Per 48	Illinois	2000	0.7	0.3	Per 100,000	81	Descripti	on: Down	syndrome is a o	hild diagnosed with Do	wn syndrome by	a doctor or
12 Illinoi 1999 Per 33	A crude rate is t Arm-artic stream	he number of ne	w cases (or deal	hs) occurring in rates of disease	a specified popul death injuries	ation per year.	cinoinop	orman clear.				
13 Illinoi 2000 0.7 0.3 Per 81	outcomes which	allows commun	ities with differen	t age structures	to be compared.		Area	Period	Crude Rate	Age-Adjusted Rate	Rate Type	Count
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15 occurring in a specified population per year.	the rates are too	small to be rep	orted.	able. If the colu	THIS NEVE COUDIE	-esternisks, then	Illinois	1995			Per 100,000	147
16	Bables born at	37+ wooks with	Down Syndror	ne			Illinois	1996			Per 100,000	126
Age-adjustment is a statistical process applied to rates of	Contact: IDPH Description: D	Division of Epide wn syndrome is	miologic Studies a child diagnose	217-785-1873 d with Down svi	ndrome by a doct	or or	Illinois	1997			Per 100,000	142
disease, death, injuries or other health outcomes which	chromosomal te	et.		,			Illinois	1999			Per 100,000	123
17 allows communities with different age structures to be	Area	Period	Crude Rate	Age-Adjusted Rate	Rate Type	Count	Illinois	2000	1.1	0.6	Per 100,000	141
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20	Illingia	1997			Per 100.000	142	Rates an	e calculate	ed and presente	d above if the data is a	available to calcu	late them.
21 Babies born at 37+ weeks with Down Syndrome	Illinois	1990			Per 100.000	128	have do	ble-aster	isks, then the ri	ates are too small to b	e reported.	colorinis
22	Illinois	2000		0.6	Per 100,000	141						
23 Contact: IDPH Division of Epidemiologic Studies 217-785-1873	A crude rate is t	he number of ne	w cases (or deal	he) occurring in	a specified popul	ation per year.	Bables	horn w	ith Down Sv	ndrome - destatio	nal age unkn	own
24 Description Device and service shild discovered with	Age-adjustment	is a statistical p	ocess applied to	rates of disease	, death, injuries	or other health	Contact:	IDPH Divi	ision of Epidemi	ologic Studies 217-785	-1873	
25 Down syndrome by a doctor or chromosomal test	outcomes which Rates are calcul	allows commun ated and preserve	ities with different fed above if the	t age structures data is available	to be compared. to calculate them	If the column	chromos	omal test.	syndrome is a c	hild diagnosed with Do	wn syndrome by	a doctor or
26 Bown syndrome by a doctor or onitomosomal test.	for rates above	s bienk, then no	rate data is avai	iable. If the colu	ms have double	-asterisks, then	A	Desired	Courds Date	Ann Adjusted Date	Data Tuna	Count
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31 Illinoi 1937 Per 142	Bables born at	less than 27 w	eks with Down	Syndrome								
33 Winoi 2000 11 0.6 Per 141	Contact: IDPH	Division of Epide	miologic Studier	217-785-1873	adama ku a dadi							

Tip: When you click on "Export all tables to Excel," your computer will ask if you want to open or save this file. You can choose either, and answer "yes" to the follow-up question if you choose to save.

Step-by-Step Data Search Example #3

Click on "New Data Search" button to reset all the choices.

UBLIC UBLIC	Query	Home New Data Search Help & Guidance
Health Indicators	Deaths by Assault (homic	ide) 🔂
Geographic Area	Multiple	e
Time Period	Multiple	÷
Population Demographics	Multiple	÷
Get Results		•
Please Wait		
Home About IQuery	Contact Us Feedback Help FAy, ivac	y Policy IDPH

Health Indicator: Select "Causes of death," then "Death by Assault (homicide)."

Geographic Area: Select "County," then Adams, Bureau, Cook and Dekalb.

Time Period: Select "Annual," then 2004, 2005, 2006, 2007.

Population Demographics: Select all choices in all Population Demographics categories.

Get Results: Click it!

Note: More selections in the Data search choices require more time for the system to return the results. You may see a horizontal indicator which means that the data search is running. Please wait.

IQuery only displays selections that have data. In this example, Adams and Bureau counties have a small number of results, because they have a small number of counts (homicides). Crude and age-adjusted rates are calculated for the state and for counties, but not for the demographic counts.

Step-by-Step	Guide to IQuery,	Winter 2011,	Version	1.0, Page	18
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Deaths by accidents

Source: Illinois data from IDPH and national data from NCHS Vital Statistics System. Contact: IDPH Illinois Center for Health Statistics 217-785-1064 <u>More information about this indicator</u> Description: The number of destate by accident.

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2004 2004	ALL		ALL	ALL	23	28.0	15.6	46.1
2004		ALL	ALL	ALL	13	34.0	17.0	60.8
	ALL	ALL	ALL	ALL	1,474	28.0	26.5	29.4
2004	ALL	ALL	ALL	ALL	21	23.5	15.2	34.6
2005	ALL	ALL	ALL	ALL	23	29.7	17.3	47.6
2005	ALL	ALL	ALL	ALL	16	39.0	19.4	69.7
2005	ALL	ALL	ALL	ALL	1,542	29.3	27.9	30.8
2005	ALL	ALL	ALL	ALL	33	35.9	25.5	49.0
2006	ALL	ALL	ALL	ALL	21	25.3	13.9	42.5
2006	ALL	ALL	ALL	ALL	28	77.7	50.7	113.8
2006	ALL	ALL	ALL	ALL	1,790	34.0	32.4	35.5
2006	ALL	ALL	ALL	ALL	34	34.0	23.8	47.0
2007	ALL	ALL	ALL	ALL	26	32.5	19.3	51.3
2007	ALL	ALL	ALL	ALL	14	33.7	16.2	62.0
2007	ALL	ALL	ALL	ALL	1,488	28.3	26.8	29.7
2007	ALL	ALL	ALL	ALL	36	37.7	27.4	50.6
2004	Black	Female	Non-Hispanic	0 year old	***			
2004	Black	Male	Hispanic	0 year old	***			
2004	Black	Male	Non-Hispanic	0 year old	***			
2004	White	Female	Hispanic	0 year old	***			
2004	White	Male	Hispanic	0 year old	***			
2004	White	Male	Non-Hispanic	0 year old	17			
2004	Black	Female	Non-Hispanic	1 to 4	***			
2004	Black	Male	Non-Hispanic	1 to 4	***			
2004	White	Female	Hispanic	1 to 4	***			
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This bar graph displays the crude rates for four counties by **Geographic Area** (counties and the state of Illinois).



This bar graph displays the age-adjusted rate for four counties by **Geographic Area** (counties and the state of Illinois).





This graph has two wavy lines because the counts for the state of Illinois and one county are at a different numerical scales. Selecting **Population Demographics** in the data search page provides additional choices on the graph page to display demographic details.

Step-by-Step Guide to IQuery, Winter 2011, Version 1.0, Page 19

IQuery Reports Module Visual Step-by-Step Guide

IQuery now offers you the ability to run reports based on the indicators that are available within IQuery. IQuery Reports are created by data managers within the Illinois Department of Public Health, representing the data determined to be most useful to the regular user.

Tip: For more detailed control of the indicators and the way the data is presented , please use the IQuery data search function.

To begin using IQuery Reports, select an Illinois county by choosing from the drop -down menu or by clicking on the county map. <page-header><section-header><text><text><text><text><text><text><text><text>

After selecting a county, you will have the option of choosing between three Reports. Each one has a short description of the report beneath it.

Tip: Basic demographics for the selected county are presented next to the reports selection page.



Understanding the IQuery Report Layout

For this example, choose "Cook County" and then "County Health Profile Report" These selections will display the "Cook County Health Profile Report."

Tip: For every indicator in any report, IQuery presents the most recent data available. If the data is reported in a rrange of multiple years, it will be the most recent range of years.



The legend is a visual representation of the health status of the county for this indicator compared to the peer counties and to the state as a whole. If the county results are better than the peer counties or than the state results, then the result is positive, and is graphed into the green. If the county results are worse than the peer counties or the state average, then the result is in the red. If the needle is in the middle, then the selected county is about equal to the peer counties or the state results.

The graph presents as much data is as available within IQuery. Please see the Visual Step-by-Step Guide to IQuery for explanations of the various data elements, but some or all of these data items may be displayed within the IQuery Reporting Module: unduplicated count, percentage, crude rate, age-adjusted rate, and confidence intervals.

IQuery reports are subject to the same data suppression standards as the IQuery data search. For the purposes of maintaining confidentiality or data quality standards, the presentation of data may be suppressed. If that occurs within the reporting module, the legend (and possibly the graph) may be blank.

Tip: As more data becomes available within IQuery itself, the reports will become richer and more detailed as well.

About IQuery / Contact Us



This page includes basic information about IQuery, including

- its origins in the Illinois Health Data Dissemination Initiative (IHDDI), a project funded by the U.S. Centers for Disease Control and Prevention Assessment Initiative;
- a listing of the seven agencies that make up the IHDDI and which will eventually contribute data to the system;
- a list of upcoming revisions to IQuery and the overall project timeline;
- and a disclaimer concerning the nature of using public health data provided by IQuery.

PUBLIC IQUERY		Home New Data Search Help and Training						
Contact Us								
Query is the new web-based data query system to collect and disseminate publ	ic health data in Illinois.							
IQuery is a project of the <u>Illinois Health Data Dissemination Initiative</u> , a coalition of <u>Centers for Disease Control and Prevention</u> . The IHDDI and IQuery are administ project management are provided by the <u>Illinois Public Health Institute</u> .	of seven agencies of the state of Illinois, funded in ered by the <u>Illinois Department of Public Health</u> . W	part by the <u>United States</u> eb system development and						
To provide feedback about using the online system, please use our Feedback p	age.							
For questions or comments concerning the Illinois Project for Local Assessment of Needs or the Illinois Health Data Dissemination Initiative, please contact Tom Szovrka, project administrator	For questions or comments about any other a contact Peter Eckart, project director.	spect of IQuery, please						
Tom Szpyrka IPLAN Administrator Division of Health Policy Illinois Department of Public Health 525 W. Jefferson St., Second Floor Springfield, IL 62761-0001 Phone: 217-782-6235 Fax: 217-785-4038	Peter Eckart Director of Health Information Technology Illinois Public Health Institute 954 W. Washington Blvd. Chicago, IL 60607 Phone: 312-850-4744 x12 Fax: 312-850-4744 x12 Fax: 312-850-4040 Peter.eckart@iphionline.org							
Fax. 2117100-4300 <u>Tom.Szpyrka@illinois.gov</u> Home About IQuery Contact Us Feedback Help FAQ Privacy Polic:	y IDPH							

If you have any questions, please contact us.

Feedback

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The development of IQuery has benefited greatly from approximately 75 public and community health professionals who participated in focus groups on the original design, reviewed early prototypes of the site, offered comments and suggestions to interim versions, and then participated in a month-long online beta test.

Many of the best ideas on how to improve the site have come from users, and we encourage you to give us your suggestions and comments on this form. There is a link to the feedback form at the bottom of almost every page in the system, so feel free to comment.

You also can sign up for the IQuery update mailing list, or request a response from project staff.

Help and Training

As IQuery is publically released, the project staff is preparing a number of different resources to help the target audiences use and benefit from the system. This page is the hub and archive for all the resources that have been and will be developed, including the latest version of this Step-by-Step Guide and a video version to walk you through your first data searches.

The schedule for upcoming demonstrations and trainings will be posted at this page, as well as links to archived presentations and accompanying materials.

IQuery is designed to be clear and simple to use, but the proper use of public health data is complicated. The project is compiling a list of Frequently Asked Questions and updating it with the latest answers. We also are maintaining a Glossary of Terms used on the site and their definitions.

PUBLIC lQuery Home New Data Search Help and Training **IQuery Help and Training** MALLE HO he Data Search Page, where ou specify what data you are The Tabular Results, where you first see yourdata in tables based on your choices. ou can interact with the ariables and see the visual Help is available throughout the system, and we strongly encourage your feedback IQuery has in-system help for using the Data Search IQuery offers other resources within the system: Page: Instructions are embedded within each "Tab" of the Data Search page (the horizontal bars on the main page for selecting different kinds of variables for your data)

- "Hover-text" definitions and descriptions are available by clicking on the question symbol: "Ar when you move your mouse symbol (usually an arrow or a little hand) over a word or phrase.
- Before you beginning using IQuery, you may wish to read the <u>"Step-by-Step Guide to IQuery"</u>, which explains the part of the system in great detail, and then walks you through three examples of searching and werving data ndviewing data
- . You can Contact Us directly from help from the Contact Us page. Training and Demonstrations

ICuery will be launched to Local Health Departments (LHDs) on February 23, LHD Administrators and staff are invited to register by Monday, February 21, forone of two online training sessions (webinars) on the use of IQuery. Tuesday, February 22 at 200 p.m. Wednesday, February 23 at 10:00 a.m. (To register, click or the session date.)

- There is a <u>Feedback</u> link on every page in IQuery. Your problem reports or comments and suggestions are vital for the maintenance and improvement of the system Please submit your feedbackfor any problem you encounter, and let us know if you'd like a personal response.
- Each Health Indicator is fully explained on its Health Indicato "Details" page. View the fullitiet of Health Indicators, or click of blue question mark symbc event to each Health Indicator. onthe
- You also can browse the listof <u>Frequently Asked Questions</u> and submit a new question yourself.
- We are constantly updating the <u>Glossary of Terms</u> used in the

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Please use the feedback form to share your opinion of the materials, and to suggest additional resources that would be useful to you.

A HEALTH IQUERY		New Data Search New Data Search Help and Training		Glossary of Terms
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nama Abard Query Control in Fandhaik nahi FAQ Pennar Pakiny 1999			Interval:	Calculation of connecte intervals is a strategy to provide the ends user with a more accurate interpretation of the results. The width of the confidence interval provides a good picture of the potential variability in the credits. It is the side integrating in policit case in the credit of the credits is the side integrating in policit case and the credit of the credit of the side integration of the policit of randomiums (e.g., rund is withan results for a specific condition or event, sixth par knotten withan for a specific condition or event, sixth par knotten withan results for a specific