



IQuery: What it is and isn't, how to use it, and how to improve it

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Peter Eckart, Director of Health Information Technology, Illinois Public Health Institute, IQuery Project Manager

Online presentation via GoToTraining.com

February 22 and 23, 2011

Purpose of this presentation

- Announce IQuery to target users
- Provide basic instruction for using IQuery
- Answer questions about IQuery
- Provide a roadmap for future expansion
- Solicit short-term and long-term participation, feedback and commitment

On the call today

- Tom Szpyrka, IQuery Project Administrator, IDPH
- Peter Eckart, IQuery Project Manager, IPHI
- Local Health Department Administrators, staff and community partners

GoToTraining interface

The screenshot displays the GoToTraining Viewer interface. A 'Preferences - GoToMeeting' dialog box is open, showing the 'Audio' tab. The 'Microphone Setup' section includes a dropdown menu set to 'DA40 Adapter' and a volume meter. The 'Speakers Setup' section also has a 'DA40 Adapter' dropdown and a 'Play Sound' button. The 'Advanced' section has two checked options: 'Automatically adjust my system mixer settings' and 'Use automatic volume and noise processing'. The main interface shows an 'Attendee List' window with a list of participants, including 'Corena Bahr-Trainer' and 'Arianne Schroeder'. The 'Audio Mode' section is set to 'Use Telephone', and the 'Audio PIN' is 82. The 'Chat' window shows a message from 'Corena Bahr-Trainer' asking for assistance. The bottom of the screen shows the Citrix logo, a 77% battery indicator, and the Windows taskbar with the GoToTraining application running.

Poll #1: Webinar Attendance

- Who are you?
 - LHD Administrator or IPLAN Coordinator
 - LHD staff
 - IDPH or other state agency staff
 - Community-based organization partner
 - Other

What exactly is IQuery?

- A new online system to release and present public health data in Illinois
- Search and view health data according to geographic area, time period and population demographics
- A complement to the IPLAN Data System, the existing online public health resource, and its eventual replacement

What is the purpose of IQuery?

- Public health professionals rely on data for assessment, assurance and advocacy
- Accurate data and ease of use will result in improved outcomes
- Overarching goal of the IQuery system is to provide stakeholders access to accurate timely health data

Poll # 2: IPLAN DS Experience

- How experienced are you with the online IPLAN Data System?
 - I use it regularly (at least monthly)
 - I use it annually.
 - I use it every five years (in conjunction with our IPLAN).
 - I have never used it.

A brief history

- CDC grant to “re-engineer Illinois’ capacity to present public health data”
- IDPH is lead for seven state agencies that will be able to provide data in IQuery
- IDPH is project administrator
- IPHI, as an agent to IDPH, provides additional staff and management
- Released to LHDs in February 2011, to be continually updated

Upcoming additions to IQuery

- Illinois Cancer Registry – IPLAN indicators
- Reporting Module – selectable static reports
- Community Health Assessment Toolkit
(currently available as lists of resources at
IPLAN web site)
- Behavioral Risk Factor Surveillance System
- Additional datasets to be identified

IQuery design principles

- Designed to guide you through your query step-by-step
- Designed to dynamically limit your choices to reflect available data
- Designed to be simple and powerful
- Help and feedback available throughout

IQuery organization

- Three sections
 - Search for data
 - Display results in a table, options for output
 - Display results in an interactive bar graph
- Output options
 - Print
 - Excel
 - PDF

IQuery Home

IQuery: Home - Windows Internet Explorer
http://iquery.illinois.gov/

File Edit View Favorites Tools Help

★ Favorites IQuery: Home

Home
New Data Search
Help and Training

Illinois Department of PUBLIC HEALTH IQuery

Welcome to IQuery, your headquarters for community health data.
IQuery has three data tools:

The **Data Search Page**, to make choices about data.
The **Tabular Results**, to see search results in tables.
The **Graphical Results**, to view and change graphs of results.

[Help](#) is available throughout the system. To get started, we encourage you to view or print out the [Step-by-Step Guide \(4MB pdf\)](#) to IQuery.
Your suggestions or comments are welcome. Please offer [Feedback](#) or [Contact Us](#) directly.

The new system builds on the [IPLAN Data System](#) and will eventually replace it, once the IPLAN data has been moved into this system. For more information about this transition plan, please click on [About IQuery](#). [Sign up for updates](#) to the system to find out [What's Upcoming](#).

IQuery will be launched to Local Health Departments (LHDs) on February 23. LHD Administrators and staff are invited to register by Monday, February 21, for one of two online training sessions (webinars) on the use of IQuery:
[Tuesday, February 22 at 2:00 p.m.](#)
[Wednesday, February 23 at 10:00 a.m.](#)
(To register, click on the session date.)

[Begin Data Search](#)





Home About IQuery Contact Us Feedback Help FAQ Privacy Policy IPLAN IDPH

Search for data


The screenshot shows a Windows Internet Explorer browser window displaying the IQuery Data Search website. The address bar shows the URL <http://iquery.illinois.gov/Default.aspx>. The page header features the Illinois Department of Public Health logo and the IQuery title. A navigation menu includes links for Home, New Data Search, and Help and Training. The main content area is titled 'Health Indicators' and 'Deaths by accidents'. Under 'Health Indicators', the 'Causes of Death' category is selected. Under 'Deaths by accidents', the following causes are listed with checkboxes: Deaths by accidents (checked), Deaths by acute bronchitis and bronchiolitis, Deaths by Alzheimer's disease, Deaths by anemias, Deaths by aortic aneurysm and dissection, Deaths by assault (homicide), and Deaths by atherosclerosis. Below the search criteria are four expandable sections: Geographic Area, Time Period, Population Demographics, and Get Results. The footer contains links for Home, About IQuery, Contact Us, Feedback, Help, FAQ, Privacy Policy, IPLAN, and IDPH.

Display search results in a table

Get Results

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 [More information about this i](#)
Description: The number of deaths by accidents.



Area	Period	Race	Gender	Count	Age-adjusted Rate	LCI	UCI
Illinois	2005	ALL	ALL	4,157	32.9	31.9	33.9
Illinois	2006	ALL	ALL	4,401	34.5	33.5	35.6
Illinois	2007	ALL	ALL	4,319	33.7	32.7	34.7
Adams	2005	ALL	ALL	23	29.7	17.3	47.6
Cass	2005	ALL	ALL	***	***	***	***
Adams	2006	ALL	ALL	21	25.3	13.9	42.5
Brown	2006	ALL	ALL	***	***	***	***
Cass	2006	ALL	ALL	***	***	***	***
Adams	2007	ALL	ALL	26	32.5	19.3	51.3
Brown	2007	ALL	ALL	***	***	***	***
Cass	2007	ALL	ALL	14	94.9	49.1	165.8
Illinois	2005	Black	Male	466	57.8	53.2	62.4
Illinois	2005	White	Female	1,203	21.7	20.3	23.0
Illinois	2005	White	Male	2,226	45.2	43.3	47.0
Illinois	2006	Black	Female	239	24.0	21.0	26.9
Illinois	2006	White	Female	1,200	21.7	20.3	23.0
Illinois	2006	White	Male	2,305	46.2	44.4	48.1
Illinois	2007	Black	Male	492	58.9	54.2	63.6
Illinois	2007	White	Female	1,260	22.5	21.1	23.8


Done

Table results: Print table

Print Query Result - Windows Internet Explorer

http://iquery.illinois.gov/PrintResult.aspx

Google



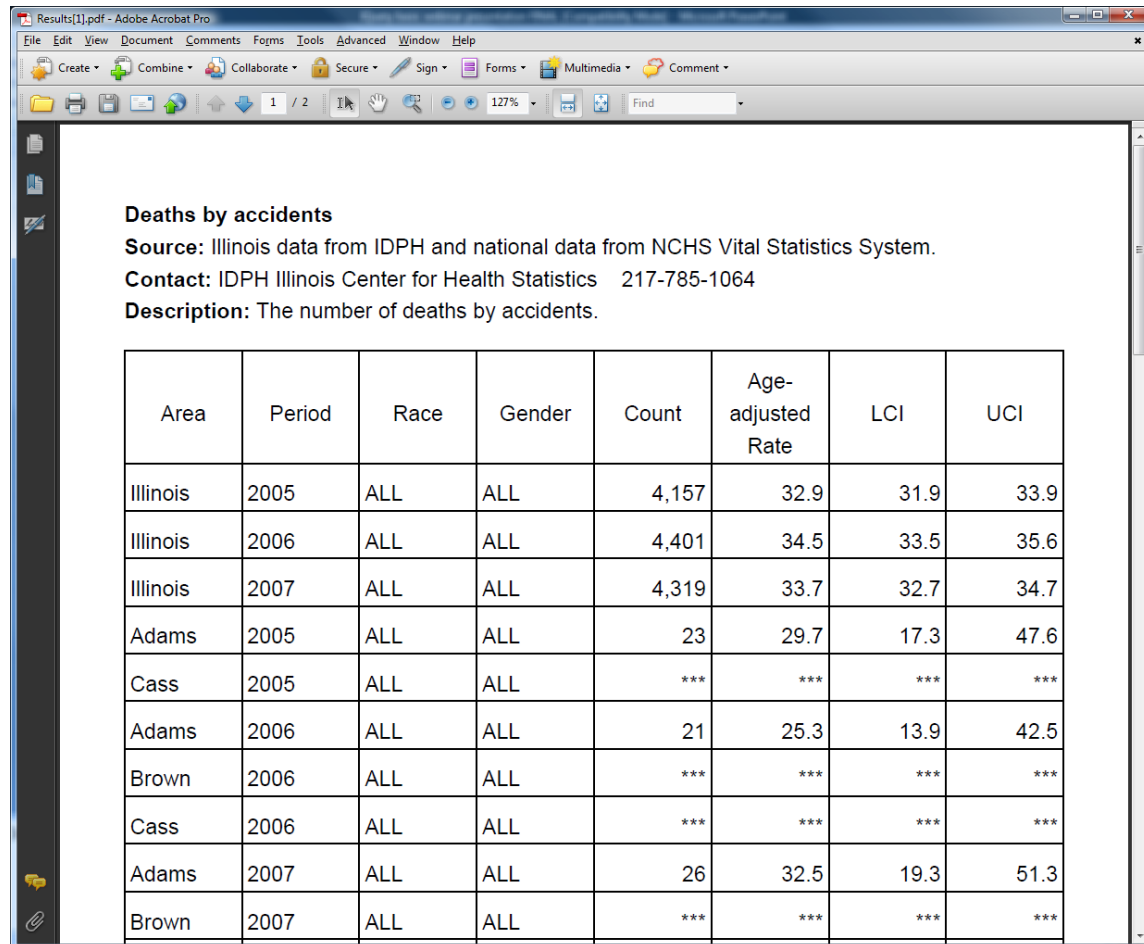
Deaths by accidents

Source: Illinois data from IDPH and national data from NCHS Vital Statistics System.
 Contact: IDPH Illinois Center for Health Statistics 217-785-1064
 Description: The number of deaths by accidents.

Area	Period	Race	Gender	Count	Age-adjusted Rate	LCI	UCI
Illinois	2005	ALL	ALL	4157	32.9	31.9	33.9
Illinois	2006	ALL	ALL	4401	34.5	33.5	35.6
Illinois	2007	ALL	ALL	4319	33.7	32.7	34.7
Adams	2005	ALL	ALL	23	29.7	17.3	47.6
Cass	2005	ALL	ALL	***	***	***	***
Adams	2006	ALL	ALL	21	25.3	13.9	42.5
Brown	2006	ALL	ALL	***	***	***	***
Cass	2006	ALL	ALL	***	***	***	***
Adams	2007	ALL	ALL	26	32.5	19.3	51.3
Brown	2007	ALL	ALL	***	***	***	***
Cass	2007	ALL	ALL	14	94.9	49.1	165.8
Illinois	2005	Black	Male	466	57.8	53.2	62.4
Illinois	2005	White	Female	1203	21.7	20.3	23.0
Illinois	2005	White	Male	2226	45.2	43.3	47.0
Illinois	2006	Black	Female	239	24.0	21.0	26.9
Illinois	2006	White	Female	1200	21.7	20.3	23.0
Illinois	2006	White	Male	2305	46.2	44.4	48.1
Illinois	2007	Black	Male	492	58.9	54.2	63.6
Illinois	2007	White	Female	1260	22.5	21.1	23.8
Illinois	2007	White	Male	2283	45.8	44.0	47.7

Done Internet | Protected Mode: On 90%

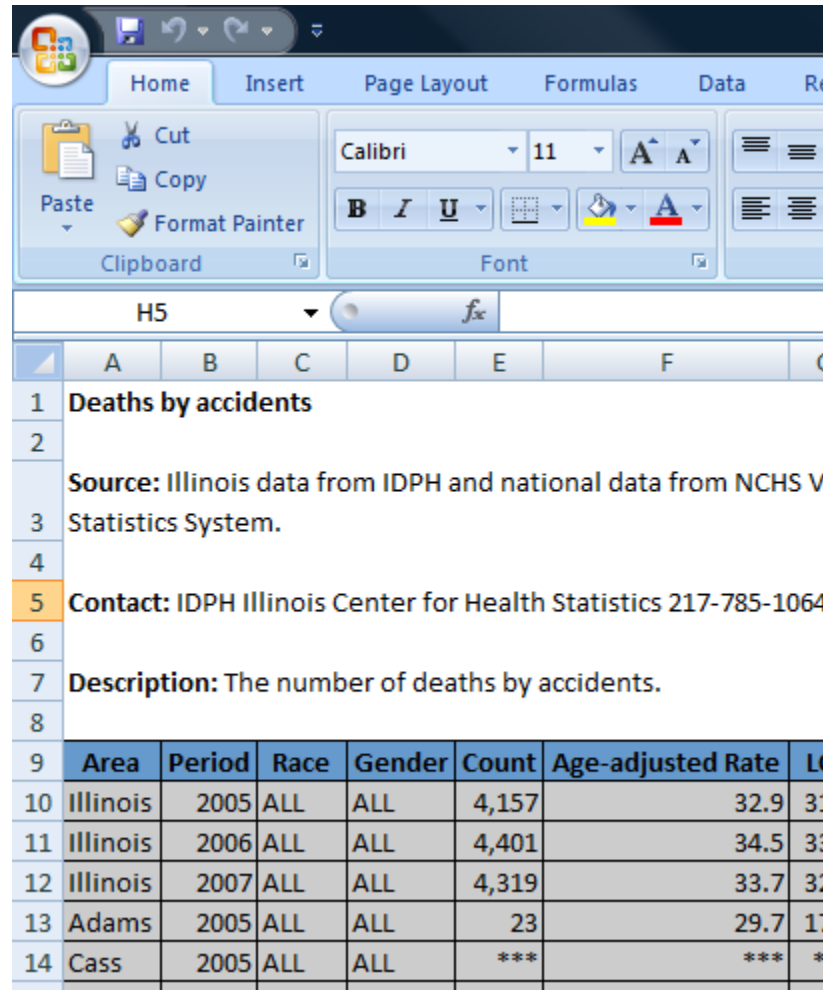
Table results: Save as PDF



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
Description: The number of deaths by accidents.

Area	Period	Race	Gender	Count	Age-adjusted Rate	LCI	UCI
Illinois	2005	ALL	ALL	4,157	32.9	31.9	33.9
Illinois	2006	ALL	ALL	4,401	34.5	33.5	35.6
Illinois	2007	ALL	ALL	4,319	33.7	32.7	34.7
Adams	2005	ALL	ALL	23	29.7	17.3	47.6
Cass	2005	ALL	ALL	***	***	***	***
Adams	2006	ALL	ALL	21	25.3	13.9	42.5
Brown	2006	ALL	ALL	***	***	***	***
Cass	2006	ALL	ALL	***	***	***	***
Adams	2007	ALL	ALL	26	32.5	19.3	51.3
Brown	2007	ALL	ALL	***	***	***	***

Table results: Export to Excel

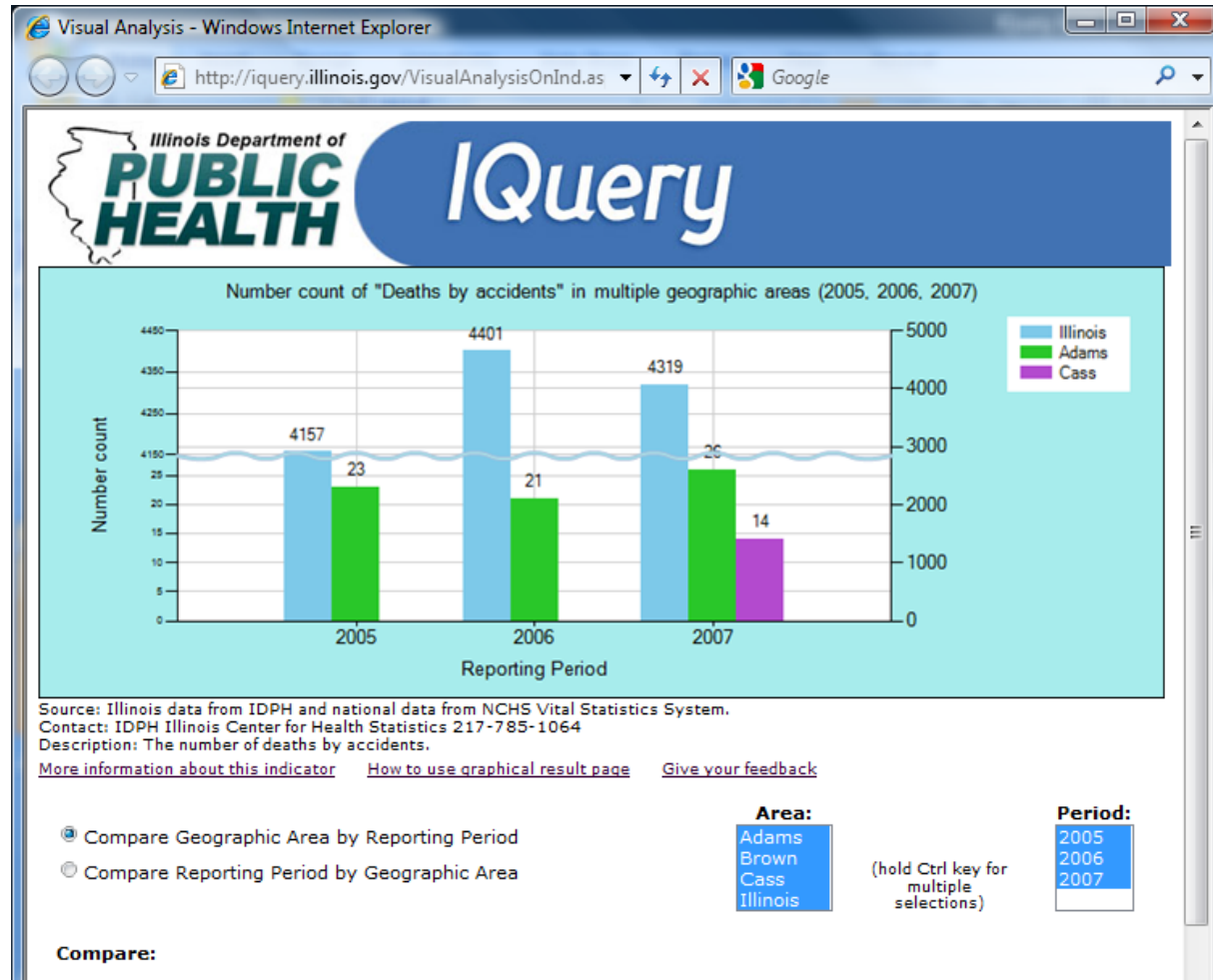


The screenshot shows the Microsoft Excel interface with the following content:


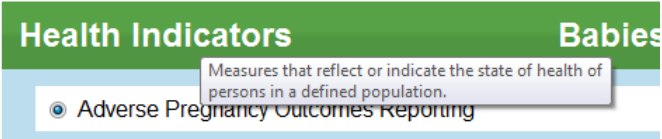
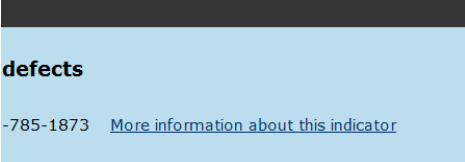
- Worksheet name: H5
- Cell address: H5
- Table content:

	A	B	C	D	E	F	G
1	Deaths by accidents						
2							
3	Source: Illinois data from IDPH and national data from NCHS V						
4	Statistics System.						
5	Contact: IDPH Illinois Center for Health Statistics 217-785-1064						
6							
7	Description: The number of deaths by accidents.						
8							
9	Area	Period	Race	Gender	Count	Age-adjusted Rate	LC
10	Illinois	2005	ALL	ALL	4,157	32.9	31
11	Illinois	2006	ALL	ALL	4,401	34.5	33
12	Illinois	2007	ALL	ALL	4,319	33.7	32
13	Adams	2005	ALL	ALL	23	29.7	17
14	Cass	2005	ALL	ALL	***	***	*

Display search results in a graph



Additional information

- a.k.a. “metadata” – data about the data
- Available throughout the system
- Clickable from blue question marks 
- As hovertext 
- From clickable links 
- Glossary of Terms
- FAQ (frequently asked questions)
- All those pages listed along the bottom

IQuery live example

Data availability

- IQuery data is presented and released by state agencies
- IQuery accommodates the unique needs of each of the data managers in the presentation of their data
- Data descriptions and information (metadata) are provided by the offices and managers responsible for that data.

Data suppression

- IQuery data is aggregated, not individual
- On occasion, privacy and reliability issues require suppression of data
- Rules regarding suppression are established by data managers

How to improve IQuery

- “Feedback”



The screenshot shows a web browser window titled "IQuery - Windows Internet Explorer" with the URL "http://online.idphnet.com/online/iquery/feedback.aspx". The page header includes the "PUBLIC HEALTH" logo and the "IQuery" title. The main heading is "Feedback". Below this, there is a paragraph explaining that IQuery benefits from user participation and that feedback is welcome. A note states that if users need technical assistance, they should contact Peter Eckart at 312-850-4744. The form contains several input fields: "First Name:", "Last Name:", "Title:", "Organization:", "Phone Number:", "Ext.:", and "E-mail:". There is a checkbox for "Sign up to be on the IQuery mailing list". A dropdown menu for "Subject of Comments" is set to "None". A text area for "Comments (required):" is present. Below the form, there is a question: "Were you searching for data or information that you could not find here? If so, what were you looking for?" followed by a text input field. A CAPTCHA image shows the number "710138" with a "Reload the code" button. At the bottom, there are buttons for "Submit Form", "Clear Comments", "Print This Page", and "Close Window". The browser status bar at the bottom indicates "Internet | Protected Mode On" and "100%" zoom.

- “Contact Us”

Illinois Health Data Dissemination Initiative, please contact Tom Szyrka, project administrator:

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Home About IQuery Contact Us Feedback Help FAQ Privacy Policy IDPH

Poll # 3: Quick Query

- So, what do you think?
 - It is easy to use; do not change format.
 - It is easy to use, but it needs more data.
 - It is easy to use, but I need reports now.
 - It is confusing and hard to use.
 - I'll let you know as I use it.

IQuery Help and Training

- Contextual help in the system (Glossary, FAQs, hover-text, notes, “metadata”)
- Visual Step-by-Step Guide
- Introductory webinars, FAQs
 - Recorded and posted on IQuery
- Additional live webinars in 2011
- Follow up training as IQuery tools are added

IQuery needs your feedback

- Designed and developed for Illinois users
- User recommendations integrated into IQuery updates
- IHDDI Steering Committee provides governance, Advisory Committee provides guidance

Evaluation (after webinar closes)

- After the BRFSS, what dataset or indicators do you want in IQuery?
- What other immediate suggestions can you make to improve IQuery?

Keeping up with the IQuerians

- Register at the site for updates
 - Changes to the system
 - New tools
 - New datasets
 - Annual updates



Questions?



IQuery.illinois.gov

Thank you

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Administrator

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