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Utah's Indicator-Based Information System for Public Health (IBIS-PH)

Utah Department of Health
Office of Public Health
Assessment

Lois M. Haggard, Ph.D.,
Director



IBIS Capabilities

- Displays general static web site content with a consistent look and feel without having to code the entire web page.
- Displays Indicator Reports (aggregated data values with associated contextual data).
- Provides Web-based interface for distributed maintenance of Indicator Profile data.
- Provides realtime SAS dataset queries.
- Allows DOH to define the query interfaces without having to know the Web technologies (HTML, CSS, Javascript).



What IBIS Is

- Set of evolving free, open-source software (FOSS) applications based on the Web's request/response paradigm that runs on virtually all modern-day hardware and operating systems.
- Culmination of 14 years of experience and knowledge from hundreds of health data analysts and users.
- Simple in design, complex in details. The applications are data-driven using loosely-coupled interfaces which makes for a fairly agile system able to be extended as needed.
- A lot of work (getting it to where it is today, and for an agency to implement).



What IBIS Is NOT

- Canned, plug-in appliance type application.
 - Applications need to be “hand” installed and maintained with TLC.
- Effortless.
 - IT Support
 - IBIS Champion
 - Committed data stewards
 - SAS analysts
 - Some Web programming skills



What IBIS Is NOT

● Silver Bullet

- ❑ IBIS applications have advantages, but for every design decision there are trade-offs.
- ❑ All systems will meet resistance somewhere, none will meet all users' needs.
- ❑ All systems will, however, require effort to implement. Different systems require different types of effort.



What IBIS Is NOT

- Free of software licenses
 - SAS must be licensed.
- Supported by a large team of developers and tool-free support technicians.
 - We hope to meet needs through the Community of Practice.

[Home](#)[Indicator Reports](#)[Community Profile](#)[Dataset Queries](#)[Maps](#)[Format this page for printing](#)

Welcome to IBIS-PH; Utah's Public Health Data Resource

Welcome to Utah's Indicator Based Information System for Public Health (IBIS-PH). This site provides information on the health status of Utahns, the state of the health care system, and Utah public health activities. You can access [published reports](#), [indicator profile reports](#), and [query health data](#) directly. For an overview of the information available on this site, go to the "[Contents and Usage](#)" page.

The latest publications and data updates available on this site are listed below in the "Website Updates". The "News and System Enhancements" section contains the latest web site functional changes and any IBIS-PH related news.

Indicator Profile Report Updates

- [Traumatic Brain Injury in Utah](#) (updated: 7-31-07)
- [Obesity](#) (updated: 7-18-07)
- [Overweight or Obese](#) (updated: 7-18-07)
- [5 A Day - Fruit](#) (updated: 7-12-07)
- [5 A Day - Vegetables](#) (updated: 7-12-07)
- [Alcohol Consumption - Binge Drinking](#) (updated: 7-12-07)
- [Blood Cholesterol: Doctor-diagnosed High Cholesterol](#) (updated: 7-12-07)
- [Blood Pressure: Doctor-diagnosed Hypertension](#) (updated: 7-12-07)
- [Fair/Poor Health](#) (updated: 7-12-07)
- [Health Status: Mental Health Past 30 Days](#) (updated: 7-12-07)
- [Health Status: Physical Health Past 30 Days](#) (updated: 7-12-07)
- [Physical Activity: Recommended Levels Among Adults](#) (updated: 7-12-07)

[more...](#)

Query System Updates

- 2006 data added to [BRESS](#) (updated: 7-12-07)

News and System Enhancements

- [Site Navigation](#) (updated: 5-15-2007)
- [Balloon Popups](#) (updated: 5-15-2007)
- [Collapsible Sections](#) (updated: 5-15-2007)

Pa
5-

New

- [2006 or In](#)
- [Au Ur](#) (8-2007)
- [Ut Re](#) (7-2007)
- [Ut Report: Utah 3rd Quarter 2006](#) (7-2007)
- July Health Status Update: [Adolescent Sexual Health](#) (7-2007)
- [Utah's Health: An Annual Review, Special Supplement: Women's Health](#) (7-2007)

Utah's IBIS-PH homepage provides access to all areas of the website and information on new features. This is a standard home page template, but states adopting IBIS can modify the content and the look of the page.

[Welcome](#)[About IBIS-PH](#)[About Public Health](#)[Publications](#)[Survey](#)[Links](#)[Contact Information](#)

Mix of static and dynamic content.

The screenshot shows the IBIS-PH website with several annotations. A yellow arrow points from the 'Indicator Reports' tab to the 'IBIS-PH: Utah's Public Health Data Resource' section. Another yellow arrow points from the 'Community Profile' tab to the same section. A third yellow arrow points from the 'Dataset Queries' tab to the 'query' layer of the inverted pyramid. A fourth yellow arrow points from the 'Maps' tab to the 'publications' layer. A fifth yellow arrow points from the 'Publications' link in the left sidebar to the 'publications usage' text in the first bullet point. The inverted pyramid diagram has four layers: 'publications' (top), 'indicators', 'query', and a small icon at the bottom. The text 'IBIS-PH Contents and Page' is partially visible at the top left of the main content area.

IBIS-PH
New Test Deployment

Utah's Indicator-Based Information System for Public Health

Home | **Indicator Reports** | Community Profile | Dataset Queries | Maps

IBIS-PH Contents and Page

IBIS-PH: Utah's Public Health Data Resource
This pages gives an overview of the types of data that the Utah Department of Health's Center for Health Data provides. The inverted pyramid, shown to the right, shows the requested information frequency and the data service provided. Each of the layers is discussed in more detail below:

- The most frequently-requested information may be found in UDOH [publications usage](#). These may be accessed using the Publications button on the left.
- IBIS-PH Health [Indicator Profile](#) reports also answer frequently-asked questions. Use the Indicator Profiles tab, located toward the top of this page, to choose one of the Indicator Profile indexes. The indexes provide a way to navigate to all of the available health indicator reports. Indicator maps and community profiles for Utah's Community Health Status Indicators should be available in 2006.
- If our standard presentations do not meet your needs, you may want to try the IBIS-PH [Query System](#). Through the Custom Query tab, located toward the top of this page, you may access a variety of health data sets directly.
- If you have questions you can check the [help page](#) for additional information and resources.
- When in Indicator Profiles, Custom Query, or Maps you can return to the home page by clicking on the [IBIS-PH Home tab above](#).
- If you still can't find the information you need, please do not hesitate to email the UDOH [Center for Health Data](#) at chdata@utah.gov or by phone at (801)538-9191.

States or others wishing to adopt the IBIS-PH technology should contact Dr. Lois M. Haggard, Ph.D. at (801) 538-9455 or send email to: ibis@utah.gov.

**Center for Health Data, Utah Department of Health, Salt Lake City, UT 84114-2101,
Phone: (801)538-9191**



Custom Data Query

- Allows users to query health data sets directly
- General audience
 - User-friendly GUI interface
 - Sound epidemiology
 - Help descriptions & instructions
 - Bullet-proof – can't confuse or give misleading answers, can't allow users to do "stupid" things

The IBIS Query system allows members of the general public to access several public health data sets and generate query results based on their specifications.

1. Select a dataset
2. Select a measure



- Population Estimates
- Birth, Fetal Death & Infant Death
- Mortality**
- Hospital & Emergency Department
- Health Surveys
- Cancer Registry
- Injury
- Help



Utah's Mortality Query Module

Path: IBIS-PH > Custom Query > Mortality

Query Module Overview

Overview

Click on either the Quick Selection or Advanced Selection bar to see a list of measures available. Use the hierarchical folder tree to navigate to the query module that will meet your needs. To see folder contents, click on the folder icon. Clicking on the folder again will hide the menu folder contents. When you click on the text link, it will take you to the query module. For further explanation on the modules, click on the "Help" button to the right.

Use Quick selection to select a measure from the Mortality module from 1999 and later, by county and LHD. Use Advanced selection to select data from other years or to select data by small area.

[Quick Selection \(Click here for most commonly used measures\)](#)

Select from this list to query deaths from 1999 and later by county and health district. For earlier years (1998 and before), small areas and maps, use Advanced Selection below.

- | | |
|---|----------------------|
| Counts | Help |
| Crude Rates | Help |
| Age-adjusted Rates | Help |
| Leading Causes of Death by Count | Help |
| Leading Causes of Death by Crude Rate | Help |
| Leading Causes of Death by Age-adjusted Rates | Help |
| Average Age at Time of Death | Help |



[Advanced Selection \(Click here for Small Area, Years 1998 and before, Comparability Modified\)](#)

3. Use "QueryBuilder" page to select filters and grouping variables and submit query.

The screenshot shows the IBIS-PH System for Public Health interface. The main navigation bar includes Home, Indicator Reports, Community Profile, Dataset Queries, and Maps. A sidebar on the left lists various data categories: Introduction, Contents and Usage, Population Estimates, Birth, Fetal Death & Infant Death, Mortality, Hospital & Emergency Department, Health Surveys, Cancer Registry, Injury, Help, and User Preferences. The main content area is titled "Mortality ICD-10 Query Module for Utah Counties and Local Health Districts" and shows the path: Path: IBIS-PH > Custom Query > Mortality > County and Local Health District > Years 1999 and later (ICD-10) > Top 10 Leading Causes of Death by Crude Rates. A progress bar indicates the current step is 1 of 4. Below the progress bar, there is an "Overview" section with a description of the mortality data and a "Getting Started" section with instructions. At the bottom, there is a list of steps for the query builder, with a yellow arrow pointing to the first step: "Step 1: Select year (default = most recent year, 2005)". Below the steps, there are "Submit" and "Reset" buttons, with a yellow arrow pointing to the "Submit" button.

IBIS-PH
New Test Deployment

System for Public Health

Home | Indicator Reports | Community Profile | Dataset Queries | Maps

Format this page for printing

Mortality ICD-10 Query Module for Utah Counties and Local Health Districts

Path: IBIS-PH > Custom Query > Mortality > County and Local Health District > Years 1999 and later (ICD-10) > Top 10 Leading Causes of Death by Crude Rates

Step: **1.** | 2. | 3. | 4. | Finish Preferences

Overview

Overview

The mortality data in this IBIS-Q query module have been derived from death certificates in participation with the National Vital Statistics System, and are maintained and provided by the Utah Department of Health, Office of Vital Records. They include virtually all deaths of Utah residents, regardless of where the death occurred. The causes of death were coded using International Classification of Diseases (ICD) codes.

If you want to modify your query interface display options, click on "options" above, right.

Getting Started

Follow the steps to narrow your query and display your results. When you are done forming your query, click "Submit" bottom of the screen (last step) to get your query result.

Step 1: Select year (default = most recent year, 2005)

Step 2: Select age of decedent (default = all ages, age adjustment groups)

Step 3: Select gender (default = both)

Step 4: Select geographic area (default = all Utah Residents, Local Health Districts)

Finish: Submit the defined query

Submit **Reset**

Results include query filter criteria, a data table...



Format this page for printing

Query Results for Mortality ICD-10 Query Module for Utah Counties and Local Health Districts

Path: IBIS-PH > Custom Query > Mortality > County and Local Health District > Years 1999 and later (ICD-10) > Top 10 Leading Causes of Death by Crude Rates

Data Filter Criteria

Single Years:	2005
Geographic Area:	Utah residents Utah residents
Data Grouped By:	Top 10 Causes of Death

Data List

Top 10 Causes of Death	Number of Deaths	Number in the Population	Top 10 Leading Causes of Death by Crude Rate, Deaths Per 100,000 Population	95% CI LL	95%CI UL
Diseases of heart	2,845	2,528,926	112.5	108.37	116.63
Malignant neoplasms	2,512	2,528,926	99.33	95.45	103.21
Cerebrovascular diseases	781	2,528,926	30.88	28.72	33.05
Unintentional injuries	715	2,528,926	28.27	26.2	30.34
Chronic lower respiratory diseases	592	2,528,926	23.41	21.52	25.29



...and query meta-data.

- Modify Query
- Start New Query
- Graphical Charts
- Output to Excel
- Show XML

Influenza and pneumonia	388	2,928,926	18.88	11.87	17.78
Parkinson's disease	198	2,528,926	7.83	6.74	8.92

Data Notes

ICD Stands for International Classification of Diseases. It is a coding system maintained by the World Health Organization and the U.S. National Center for Health Statistics used to classify causes of death on death certificates and diagnoses, injury causes, and medical procedures for hospital and emergency department visits. These codes are updated every decade or so to account for advances in medical technology. The U.S. is currently using the 10th revision (ICD-10) to code causes of death. The 9th revision (ICD-9) is still used for hospital and emergency department visits.

Top 10 leading causes of death are generated from NCHS 50 leading causes.

Data Sources

Utah Death Certificate Database, Office of Vital Records and Statistics, Utah Department of Health; Population Estimates: Governor's Office of Planning and Budget, 2005 Baseline Economic and Demographic Projections

Data Issues

Death certificates in Utah are required to be filed by funeral directors. Funeral directors obtain demographic information from an informant, a close family member of the decedent. The cause of death is certified by the decedent's physician or the physician that attended the death. Accidental and suspicious deaths are certified by the Medical Examiner. Death certificate data go through extensive edits for completeness and consistency. The Office of Vital Records and Statistics (OVRs) does annual trainings for funeral directors and local registrars.

When death certificates are received the cause of death literals are keyed into software locally by Office of Vital Records and Statistics (OVRs), then shipped to NCHS where they are machine coded into ICD-10 codes. NCHS returns the ICD-10 codes to OVRs where the death records are updated.

Time of Query

These data were queried on: Fri, 1 Jun 2007 01:55:11 GMT

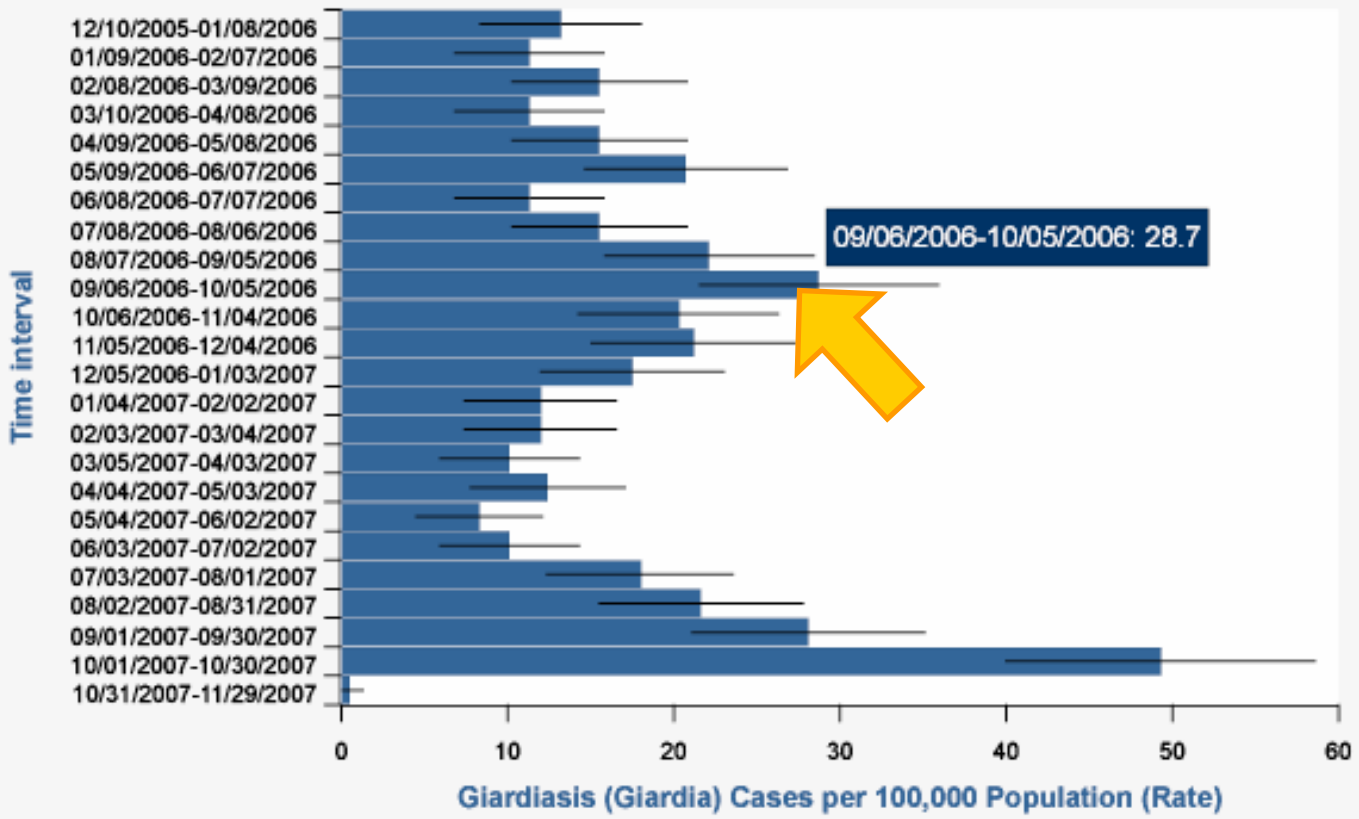
[Top](#)

**Office of Vital Records and Statistics, Center for Health Data, Utah Department of Health,
Salt Lake City, UT 84114-1012, Telephone: 801-538-6843, Website:
<http://health.utah.gov/vitalrecords/>, Email: vrequest@utah.gov**

The user can also produce a graph, such as this epi-curve...

Case status Filter:	Confirmed, Probable, Suspect
The size of time interval Filter:	Report by 30-day intervals
The number of time intervals Filter:	24
The end date you entered Filter:	Today
Data Grouped By:	Time interval

Giardiasis (Giardia) Cases per 100,000 Population (Rate) by Time interval



...or map views generated from the data. Graphs and maps are interactive (mouse-overs, zoom) if the user has Adobe's SVG viewer installed.

Address http://ibis.health.utah.gov/Query?request=SHOW_RESULT Go

Population Estimates
Birth & Infant Death
Mortality
Hospital & Emergency Department
Health Surveys
Cancer Registry
Injury
Help

Map of Age-Adjusted Rate, Binge Drinking by Local Health District and Binge Drinking Age-Adjusted Rate, Binge Drinking High-Low-Same Map

View Controls Active View

Zoom 100%

Layer Legend and Control

- County Seats (●)
- Interstate Roads (\\)
- Major Lakes (●)
- Local Health Districts
- Counties
- Small Areas
- Area Labels
- View Controls

Map Legend

- ** Insuff. Data
- Lower than state rate
- Same as state rate
- Higher than state rate

LHD: Southwest

Value:	9.14%
Numerator:	83
Denominator:	*
Lower Limit:	7.06%
Upper Limit:	11.22%

0 50 100 miles

Internet



Secure IBIS-PH

The secure query site:

- Requires username and password
- No cell suppression

Format this page
for printing

Utah Cancer Registry Query Module for Census Tract Data

Path: IBIS-PH > Custom Query > UCR

Query Module Overview

Overview

The cancer incidence data in this IBIS-Q query module have been derived Utah's Cancer Registry database and are maintained and provided by the Utah Cancer Registry staff. This query module allows users to query cancer incidence data by census tract. Query results are automatically displayed by gender and year. You may select one or more cancer causes and census tracts using the steps, below.

Quick Selection

Select the link below to query the Utah Cancer Registry by Census Tract.

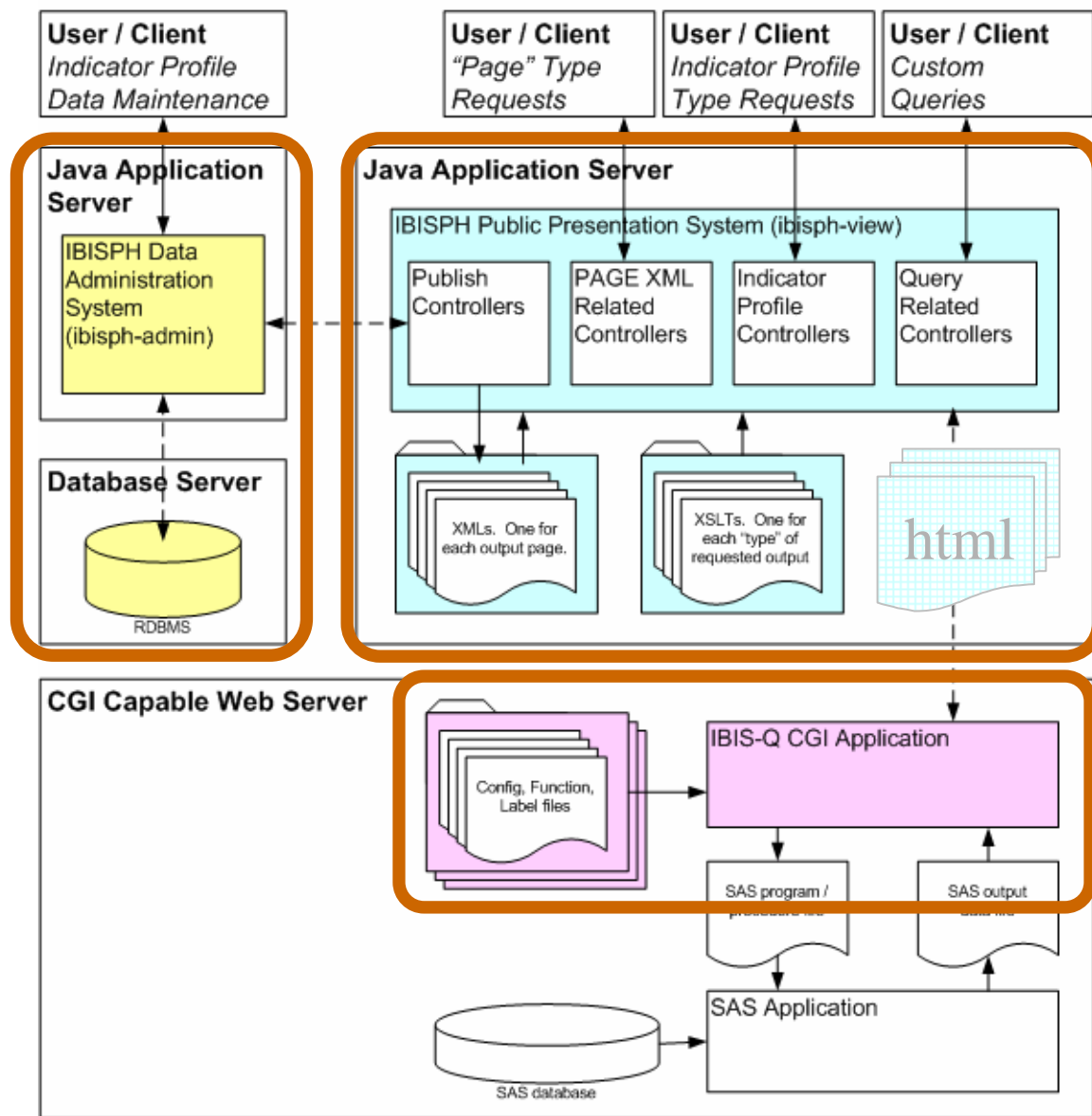
- [Utah Cancer Registry, Five-year Moving Average](#)
- [Utah Cancer Registry, Three-year Moving Average](#)
- [Utah Cancer Registry, Single Years](#)

Center for Health Data, Utah Department of Health, Salt Lake City, UT 84114-2101, Phone:
(801)538-9191

Components of the IBIS Software

- IBIS-Admin
- IBIS-View
- IBIS-Query

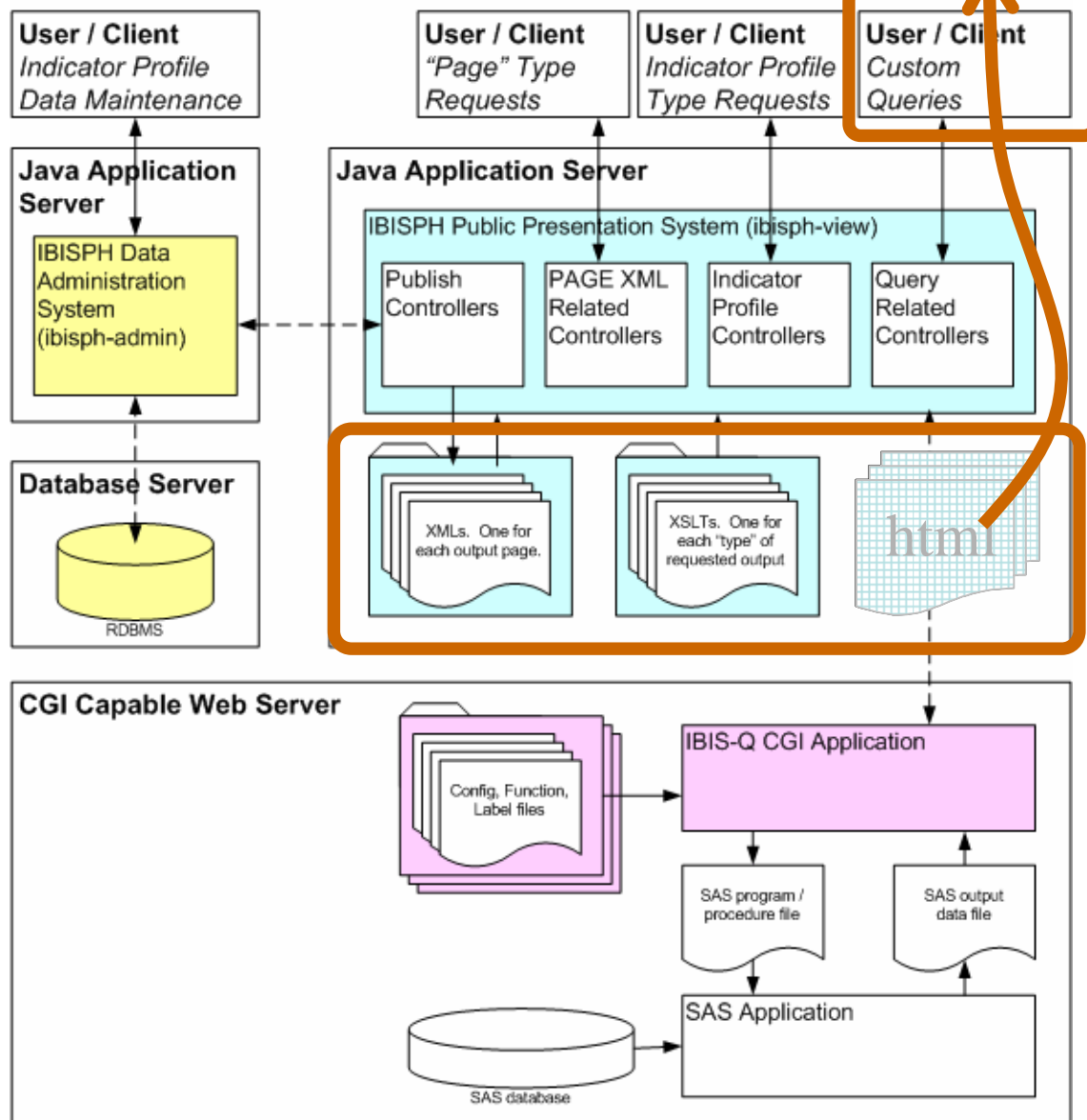
IBIS-PH System Architecture





1. User requests query interface screen

IBIS-PH System Architecture



IBIS-Admin

IBIS-View

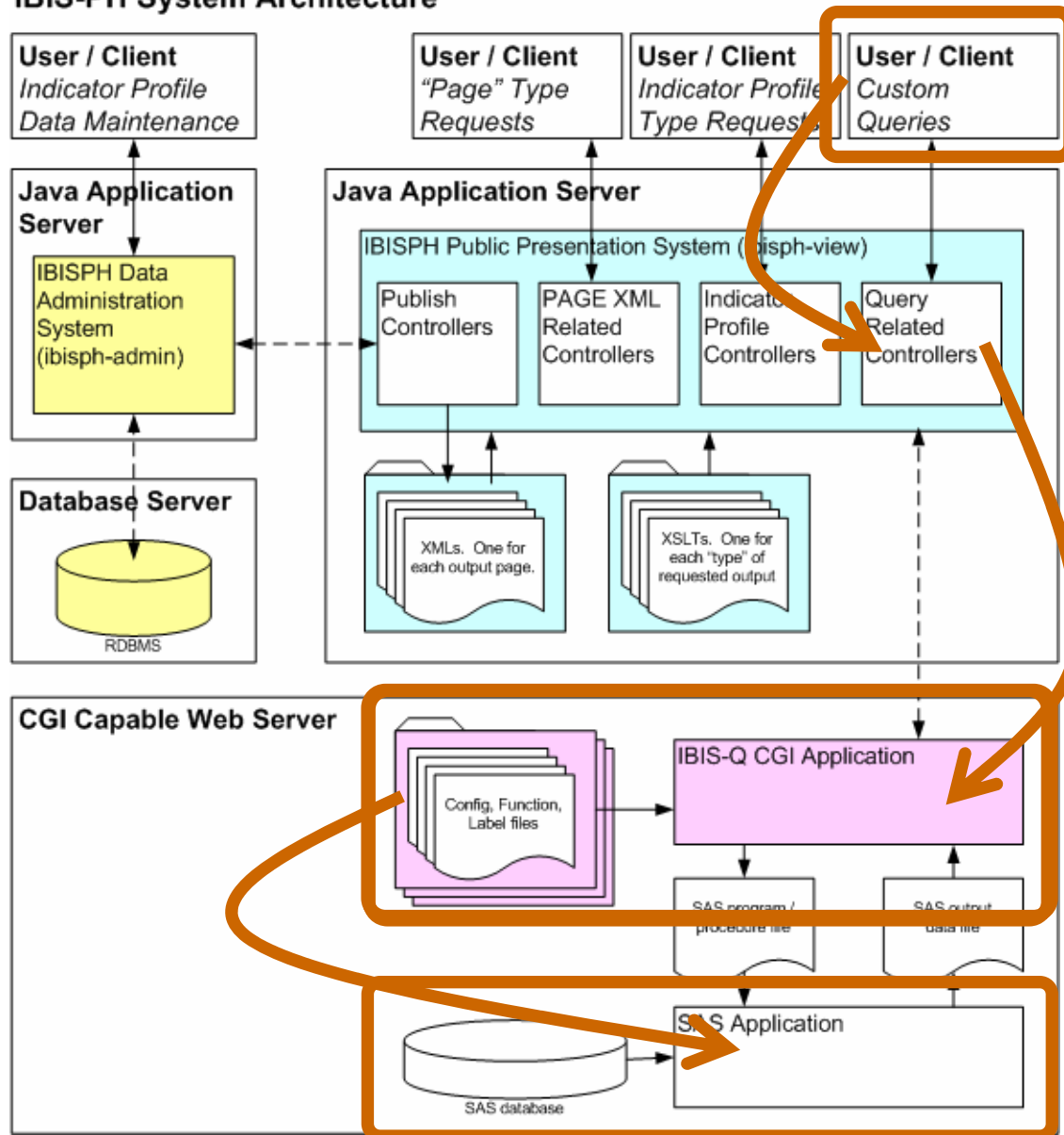
IBIS-Query

2. User submits query, IBIS-View sends URL to CGI

3. CGI calls SAS

- IBIS-Admin
- IBIS-View
- IBIS-Query

IBIS-PH System Architecture

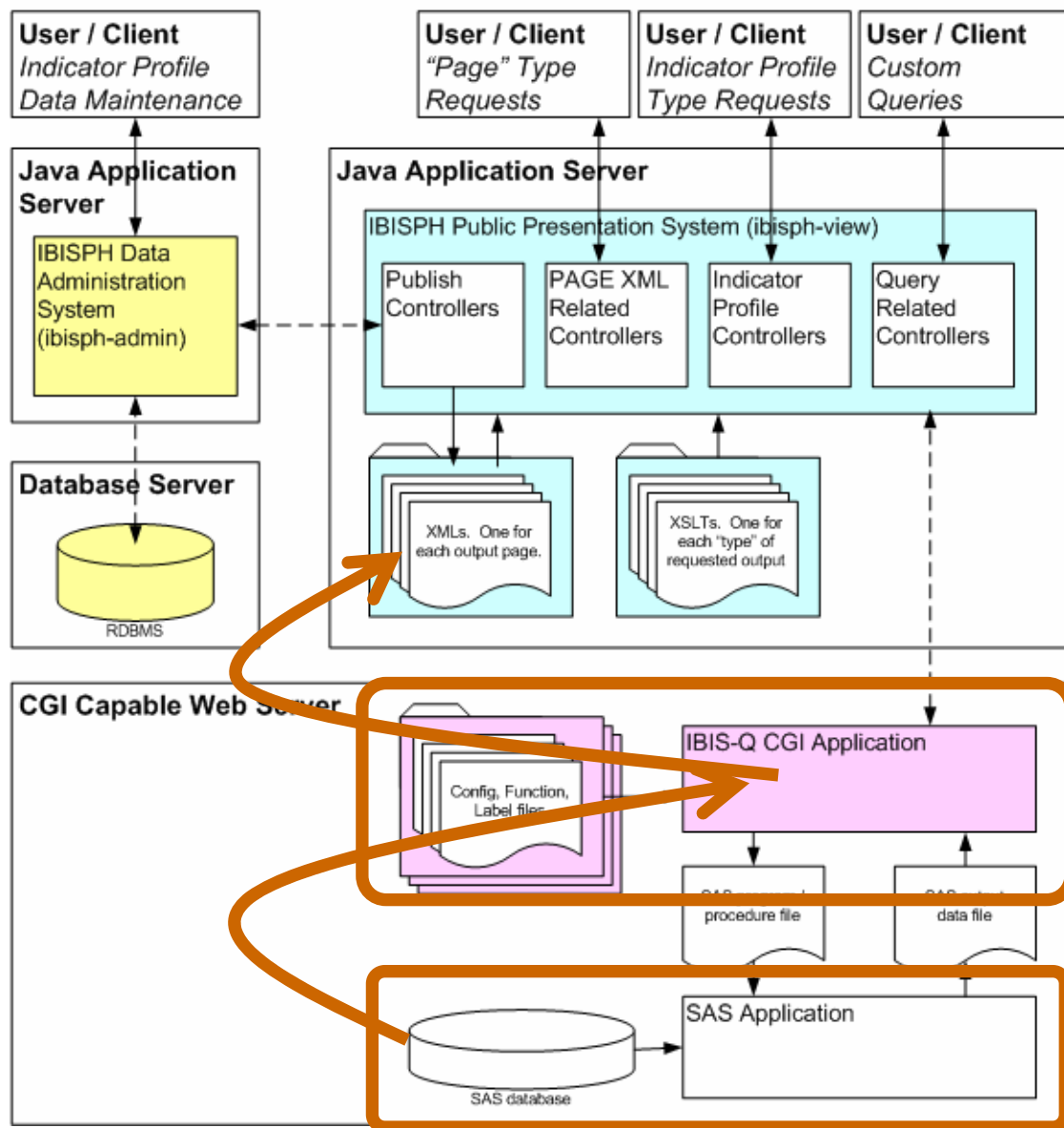


4. SAS runs, sends query result to CGI

5. CGI formats, sends XML to View System

- IBIS-Admin
- IBIS-View
- IBIS-Query

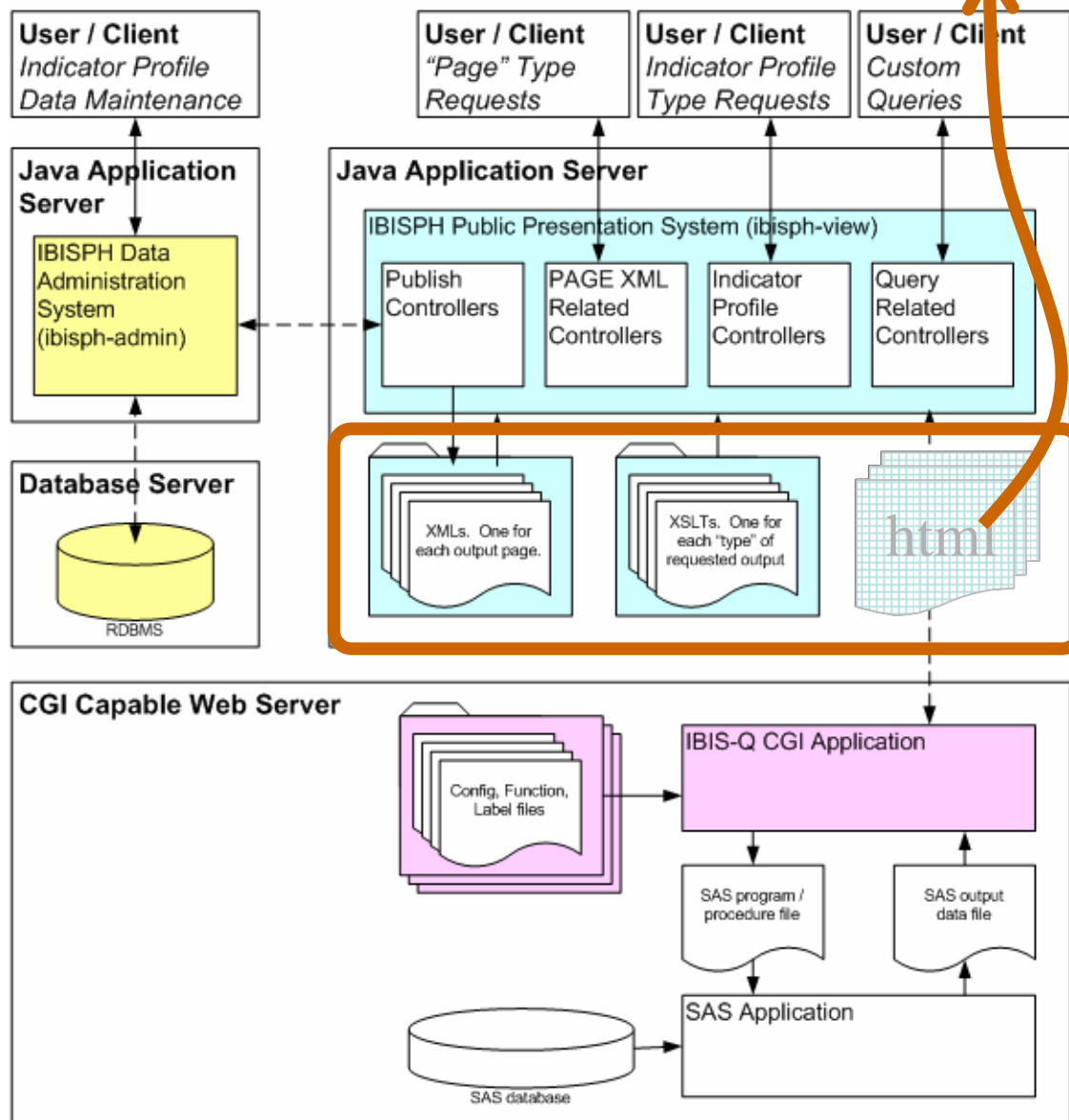
IBIS-PH System Architecture





6. View system transforms XML, sends results page to user

IBIS-PH System Architecture



IBIS-Admin

IBIS-View

IBIS-Query



IBIS Indicator Reports

- Allows users to view a report of data that have already been tabulated.
- For more novice users, easier, more user-friendly.
- Webpage CONTENT MANAGEMENT and REPORT GENERATION system, not a query system.



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IBIS-PH Indica

Welcome to the IB... depicts the status... indicator report, so... health indicator as... what is being don...

Programs through... an overview of a s... Indicator Profiles s...

If more information...

Getting Started

1. Since there are over 100 Indicator Profiles to choose from, several indexes exist to help find and select the desired profile.
 - [Categorized Index](#) - Indicators are placed in one or more of several categorization schemes, such as by program, by data source, or by HP2010 focus area, etc.
 - [Alphabetical Index](#) - All available indicator profiles are listed in alphabetical order by their titles.
2. Select the indicator profile
3. View additional indicator profile information by using the indicator profile page's left hand navigation menu. This menu allows viewing important facts, other charts, numerical data table, related indicators, related links, and the complete profile.

News and Updates

- Introduction
- Contents and Usage
- Categorized Indicator Profile Reports Index
- Alphabetical List of all Indicator Profile Reports
- Public Health Outcome Measures Report
- Chart Graphic Display Preference



Introduction

A health indicator is a numeric measure that depicts the status of a health system on a core public health construct. An indicator profile, provides online numerical data for a health indicator in context, including what the current status is and...

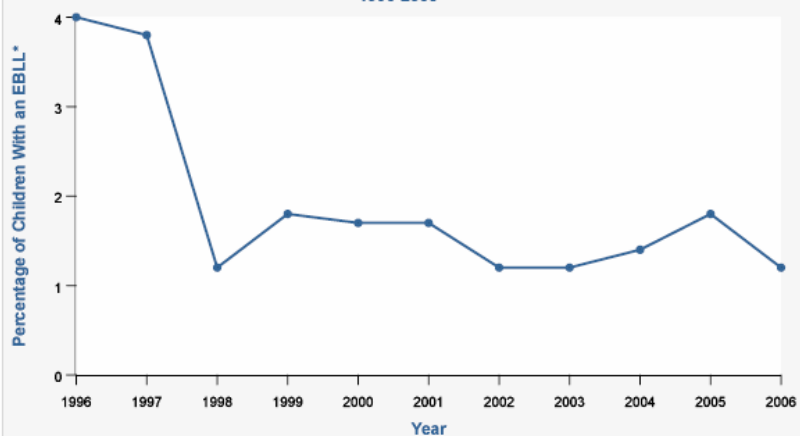
...prepare these indicator profiles to provide an overview of a s... For more detailed information about [Contents and Usage](#) page.

...the indicator profile provides, the [Custom Query System](#) is available or the program can be contacted directly using the information provided in the indicator profile footer (at the bottom of the page).

Utah has ~140 indicator profiles currently published. They are indexed in an alphabetical index (pictured here) and also in a categorical index that allows indicators to be placed in any of several categorization schemes, such as by program, by data source, or HP2010 focus area, etc.

Home	Birth Defects: Orofacial Clefts	07/11/05
	Birth Defects: Overall	08/25/05
About IBIS-PH	Birth Rates	11/15/07
	Births From Unintended Pregnancies	11/15/07
About Public Health	Blood Cholesterol: Doctor-diagnosed High Cholesterol	07/12/07
	Blood Cholesterol Screening	11/30/04
Publications	Blood Lead in Children and Adults	11/05/07
	Blood Pressure: Doctor-diagnosed Hypertension	07/12/07
Survey	Breast Cancer Deaths	11/01/07
	Breast Cancer - Mammography	11/01/07
Links	Breastfeeding at 1 Year	03/14/07
	Breastfeeding at 6 Months	11/11/05
Contact Information	Breastfeeding in Early Postpartum Period	03/14/07
	Cancer Deaths	11/01/07
	Child Care Numbers of Facilities and Capacity	11/09/07
	Chlamydia Cases	11/13/07
	Cigarette Smoking Among Adolescents	11/29/07
	Cigarette Smoking Among Adults	07/09/07
	Colorectal Cancer Deaths	11/01/07
	Colorectal Cancer Screening	11/01/07
	Coronary Heart Disease Deaths	11/01/07



Prevalence of Children with Blood Lead Levels ≥ 10 mcg/dL, Utah Children Aged 0-5 Years, 1996-2006****Data Notes**

*EBLL = Elevated Blood Lead Level (≥ 10 mcg/dL). **2006 = Provisional Data. Prevalence is calculated as (number of cases with an elevated blood lead level/number of persons tested) \times 100. Prior to 1996, results on children were not collected, therefore, this calculation was not made for those years.

Data Sources

Utah Blood Lead Registry; Environmental Epidemiology Program, Division of Epidemiology and Laboratory Services, Utah Department of Health;

Other Views

- ◆ [Utahns Aged 18 and Older, 1992-2005](#)

Definition

Children: Percentage of children tested, aged 0 through 5 years with blood lead levels of 10 mcg/dL or greater in this age group.

Adults: Percentage of adults aged 18 and over tested with blood lead levels of 25 mcg/dL or greater and 40 mcg/dL or greater in this age group.

How We Calculated the Rates

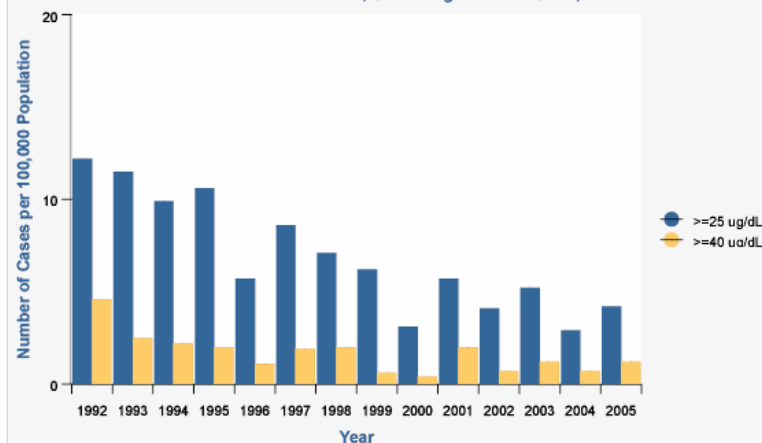
Numerator: Children: Total number of children tested, aged 0 through 5 years with a blood lead level of 10 mcg/dL or greater. Adults: Total number of adults aged 18 and over tested with a blood lead level of 25 mcg/dL or greater and 40 mcg/dL or greater.

Denominator: Children: Total number of children aged 0 through 5 years tested for blood lead. Adults: Total number of adults aged 18 and over tested for blood lead.

Why Is This Important?

Lead poisoning is the most significant and prevalent disease of environmental origin among children living in the United States. Despite considerable knowledge and increased screening and intervention efforts, lead exposures remain prevalent. Environmental lead is a toxic substance that is affecting the growth and development of up to one million U.S. preschool children today, with effects ranging from learning disabilities to death. High levels of lead can cause many health problems by damaging the brain, nervous system, and kidneys. Lead poisoning can cause decreased intelligence, behavioral and speech problems, anemia, decreased muscle and bone growth, poor muscle coordination, and hearing damage.

Prevalence of Adults Tested, Utahns Aged 18 and Older, 1992-2005

**Data Notes**

Prevalence is calculated as (number of cases with an elevated blood lead level/number of individuals employed in non-agricultural jobs) \times 100,000. Prevalence for 1997 was re-calculated based on final population data. 1998 employment data is estimated from the growth rate during the previous year.

Data Sources

Utah Blood Lead Registry; Environmental Epidemiology Program, Division of Epidemiology and Laboratory Services, Utah Department of Health;

Other Views

- ◆ [Utah Children Aged 0-5 Years, 1996-2006**](#)

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Indicator pages may be combined into online reports, like Utah's Public Health Outcome Measures Report: <http://ibis.health.utah.gov/phom/>



[IBIS-PH Home](#)

[Indicator Profiles](#)

[Custom Query](#)

[Maps](#)

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Table of Contents - Public Health Outcome Measures Report

- [Part 1. Underlying Demographic Context of the Population](#)
- [Part 2. Health Care Services and Systems](#)
- [Part 3. Risk Factors for Illness](#)
- [Part 4. Common Preventable Diseases and Conditions](#)

[Public Health Outcome Measures Report - Title Page](#)

Introduction

- [Executive Summary](#)
- [Utah Department of Health](#)
- [Utah Department of Health Budget](#)
- [Local Public Health](#)

Part 1. Underlying Demographic Context of the Population

Characteristics of the Population

- [Age Distribution of the Population](#)
- [Utah's Racial and Ethnic Populations](#)

Birth and Death Rates

- [Birth Rates](#)
- [Death Rates: Deaths From All Causes](#)
- [Life Expectancy at Birth](#)

Household and Family Characteristics

- [Marriage and Divorce](#)
- [Household Structure](#)

Socio-Economic Characteristics

- [Education Level in the Population](#)
- [Household Income](#)
- [Persons Living in Poverty](#)
- [Childhood Poverty](#)

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Program staff from across the department use a website, called the “IBIS Admin site” to access the database and modify data records. Once an indicator has been set up, the maintenance is minimal, generally limited to annual update of numeric data and modification of text to reflect those changes.

IBIS Admin Site

- GUI Interface for DB Access
- Used by busy folks who do not necessarily have website publishing or DB data entry skills (with no interest in acquiring them)
- Must be user-friendly, follow good IS rules/heuristics

This is the indicator main page. Text boxes are used to maintain some of the fields at the indicator level.

Administration System

Detail of Indicator Adolescent Births

Status Last Changed: 03/16/07, 09:24 PM

Updated On * (format: MM/DD/YY. This is the most recent update date.)

Title *

Keywords

Definition *

Numerator *

Denominator *

Data Notes (footnote for all graphs)

Admin Menu

Indicator List

Indicator Main

Important Facts

Healthy People 2010

Related Indicators

Available Services

Graph List

Graph Specifications

Graph Data Sources

Graph Values

Done

Indicator reports can have multiple graph views.



List of Defined Graphs (Views) for Adolescent Births

Selection	Default Graph	Name	Graph Title	Graph Subtitle	Sort Order	Modify Date	Active
<input type="radio"/>	<input type="radio"/>	AdoBrth.Eth	Birth Rate for Women Aged 15-17	by Ethnicity, Utah, 2002	<input type="text"/>	03/14/07	<input checked="" type="checkbox"/>
<input checked="" type="radio"/>	<input checked="" type="radio"/>	AdoBrth.Race	Birth Rate for Women Aged 15-17	by Race, Utah, 2002	<input type="text"/>	03/14/07	<input checked="" type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	AdoBrth.SA	Birth Rate for Women Aged 15-17	by Small Area, Utah, 2003-2005	<input type="text"/>	03/14/07	<input checked="" type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	AdoBrth.Ut_USByAge	Adolescent Birth Rate by Age of Mother	Utah and U.S., 1990-2005	<input type="text"/>	03/14/07	<input checked="" type="checkbox"/>

Total records:4

- Admin Menu
- Indicator List
- Indicator Main
- Important Facts
- Healthy People 2010
- Related Indicators
- Available Services
- Graph List
- Graph Specifications
- Graph Data Sources
- Graph Values

Numeric graph values may be hand-entered or plugged-in by the query system.

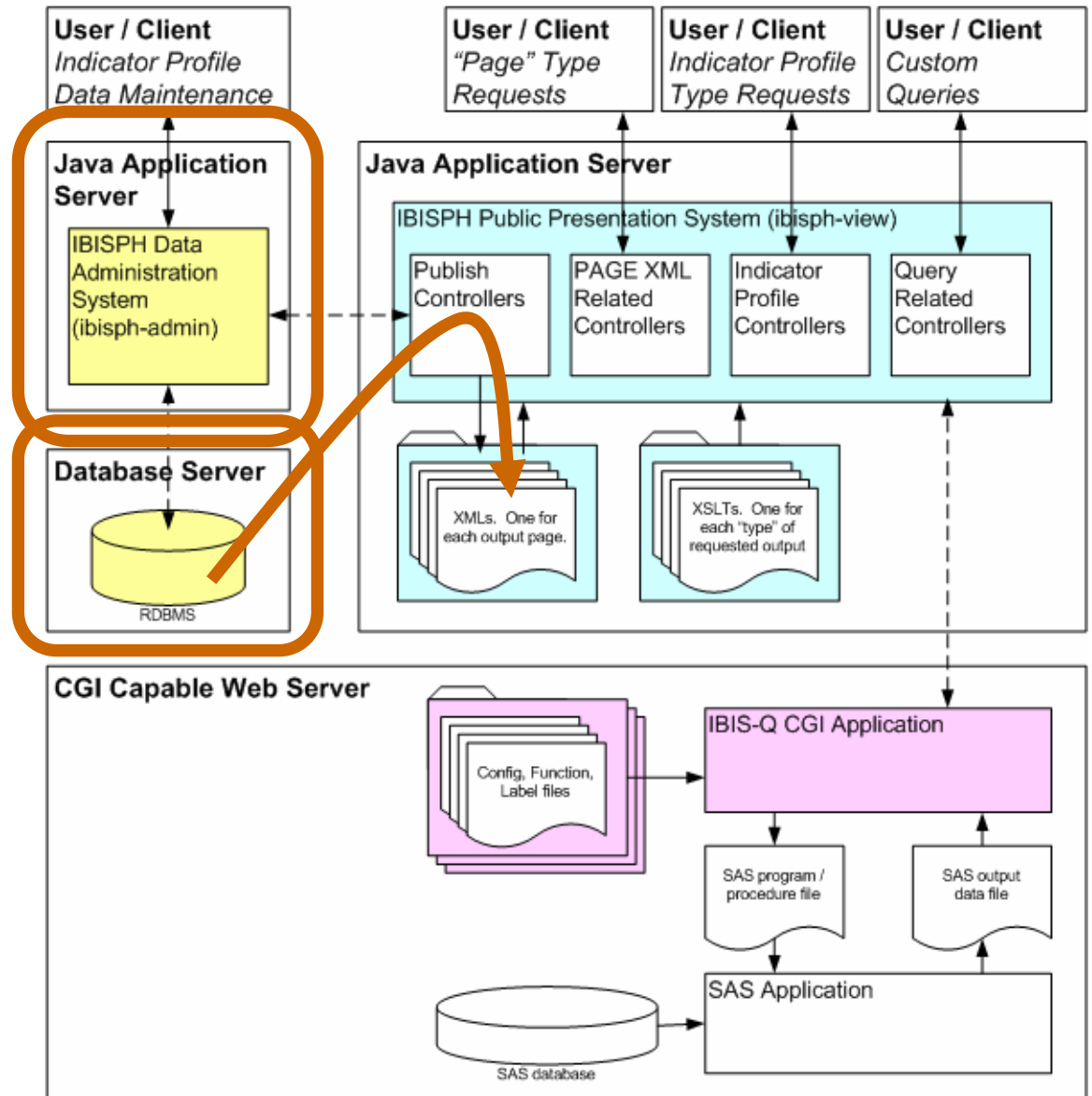


Values of the AdoBrth.Ut_USByAge View

	Series (Girls15-17 18-19)	Category (YearAll)	Active	Value	Lower Confidence Value	Upper Confidence Value	Admin Note	Disp
Admin Menu	Utah Mothers Age 15-17	1980	<input type="checkbox"/>					
Indicator List	Utah Mothers Age 15-17	1981	<input type="checkbox"/>					
Indicator Main	Utah Mothers Age 15-17	1982	<input type="checkbox"/>	29.9	28.26	31.61		
Important Facts	Utah Mothers Age 15-17	1983	<input type="checkbox"/>	26.79	25.24	28.4		
Healthy People 2010	Utah Mothers Age 15-17	1984	<input type="checkbox"/>	24.47	23	26.01		
Related Indicators	Utah Mothers Age 15-17	1985	<input type="checkbox"/>	22.91	21.5	24.39		
Available Services	Utah Mothers Age 15-17	1986	<input type="checkbox"/>	23.48	22.08	24.95		
Graph List	Utah Mothers Age 15-17	1987	<input type="checkbox"/>	24.87	23.44	26.36		
Graph Specifications	Utah Mothers Age 15-17	1988	<input type="checkbox"/>	25.64	24.2	27.14		
Graph Data Sources	Utah Mothers Age 15-17	1989	<input type="checkbox"/>	23.5	22.13	24.93		
Graph Values	Utah Mothers Age 15-17	1990	<input checked="" type="checkbox"/>	25.85	24.37	27.32		

1. SMEs use **IBIS-Admin** to enter page content into DB
2. Page content published to XML

IBIS-PH System Architecture



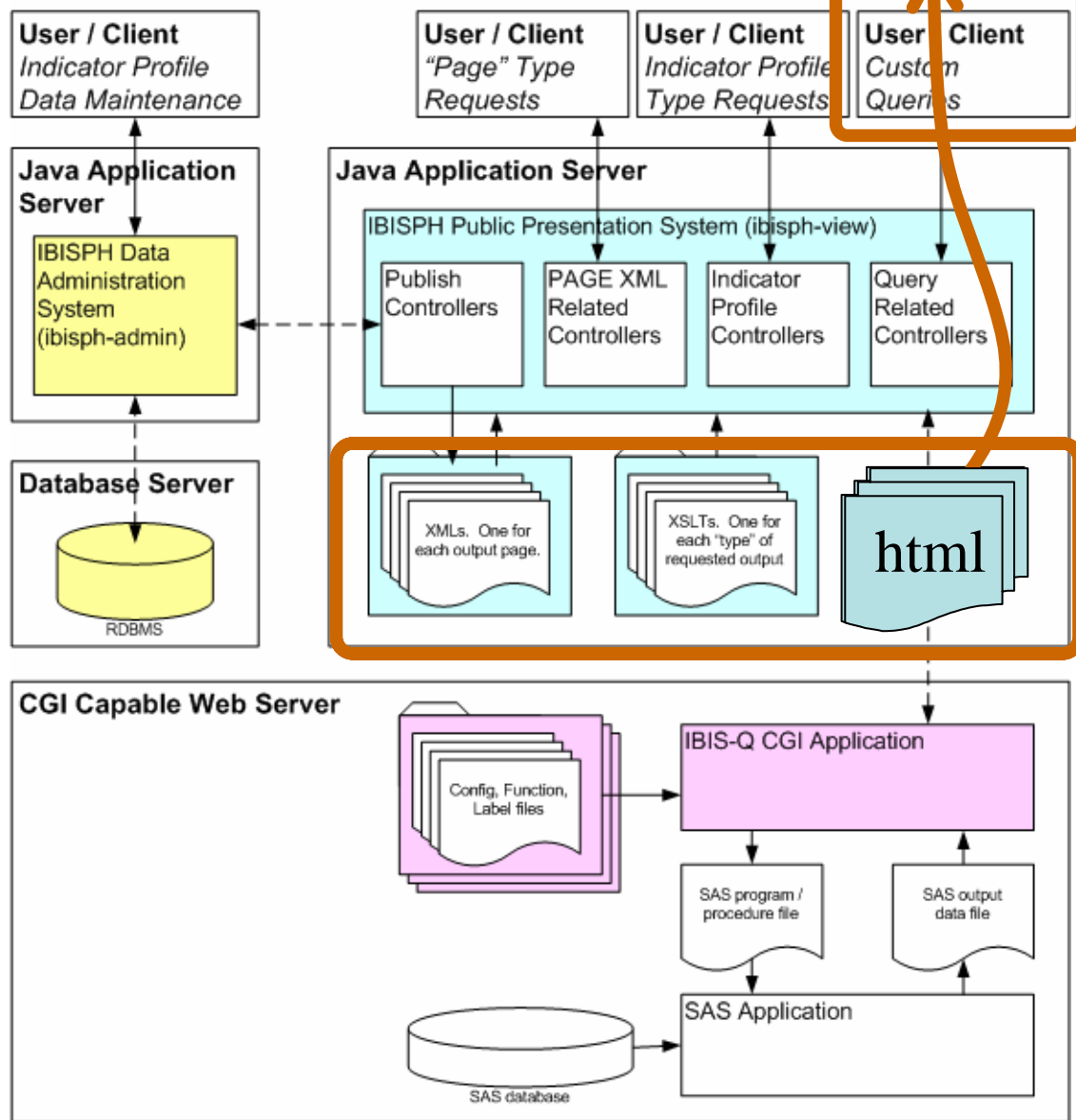
- IBIS-Admin
- IBIS-View
- IBIS-Query

3. User requests indicator page

4. View system transforms XML, sends to user

- IBIS-Admin
- IBIS-View
- IBIS-Query

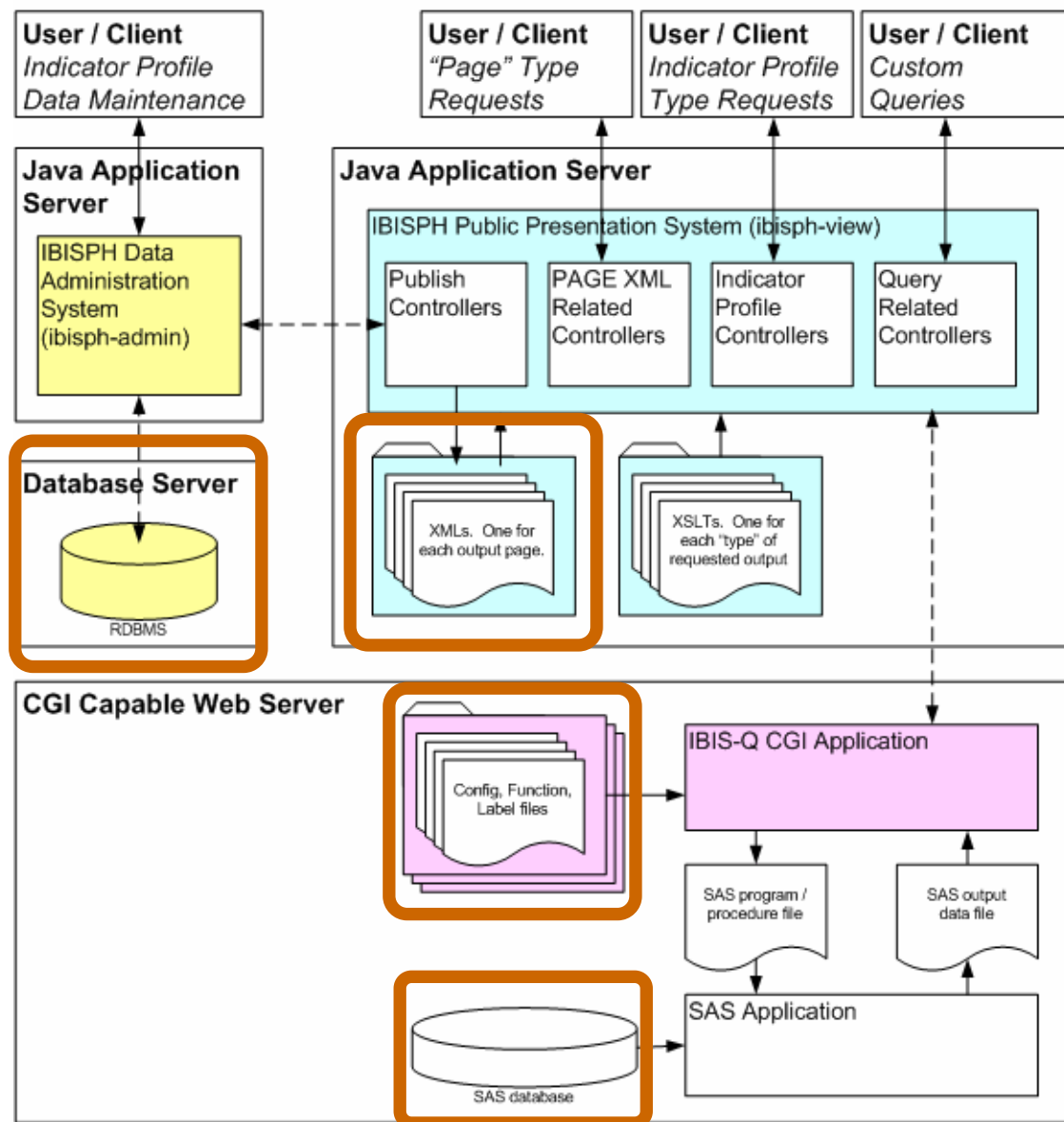
IBIS-PH System Architecture





*Files
Maintained
by PH Staff*

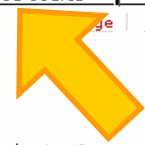
IBIS-PH System Architecture



IBIS-Admin

IBIS-View

IBIS-Query



Welcome to the IBIS-PH Community of Practice - Product Management Site

IBIS-PH stands for Indicator-Based Information System for Public Health. This site provides access to all of the IBIS-PH work products. In general, the IBIS-PH Community of Practice consists of any organization or individual who is interested in the dissemination of data and information for public health assessment. **Use of this site and/or the content contained within is subject to this [disclaimer](#).**

The goal of the IBIS-PH Community is to share ideas, expertise, and information on how to

- collect and maintain public health data,
- analyze the data,
- present the data to the public,
- improve public health informatics in general

The Product Management portion of the IBIS-PH Community site provides

- Project Management of th
- Tracking of bugs and task
- Access to all versions of
- implies agreement to the
- A WIKI page engine that

http://www.ibisph.org

Other IBIS-PH Community of Practice web resources include

- [Detailed System/Application Documentation](#). This includes how to install and support the applications, developer documentation, and content management user documentation.
- [Discussion Forums](#). vBulletin is a web based application which allows individuals to share knowledge and ideas like dealing with health data, SAS programming, web development, and IBIS-PH application specific topics.

About IBIS-PH and the Trac Application

This page is part of the IBIS-PH WIKI and is hosted within the "Trac" application. As all Wiki pages, this page is editable, this means that you can modify the contents of this page simply by using your web-browser. Simply click on the "Edit this page" link at the bottom of the page. [WikiFormatting](#) will give you a detailed description of available Wiki formatting commands.

"[trac-admin yourenvdir](#) initenv" created a new Trac environment, containing a default set of wiki pages and some sample data. This newly created environment also contains [documentation](#) to help get things started with the IBIS-PH project.

Please use the [trac-admin](#) to configure [Trac](#) to better fit IBIS-PH, especially in regard to *components*, *versions* and *milestones*.

[TracGuide](#) is a good place to start.

Trac Starting Points

- [TracGuide](#) -- Built-in Documentation
- [The Trac project](#) -- Trac Open Source Project
- [Trac FAQ](#) -- Frequently Asked Questions
- [TracSupport](#) -- Trac Support

For a complete list of the local wiki pages, see [TitleIndex](#).

IBIS-PH Community of Practice - Product Management


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root

View revision:

Name ▲	Size	Rev	Age	Last Change
branches		17	1 week	root: additional directories
releases		20	1 week	lois: Initial seeding for IBIS-Q CGI executables
tags		1	2 weeks	root: initial repository
trunk		35	1 hour	tong: Add mortality to pop_denominator.xls

Note: See [TracBrowser](#) for help on using the browser.



Powered by [Trac 0.10.4](#)
By [Edgewall Software](#).

Visit the Trac open source project at
<http://trac.edgewall.org/>

**IBIS-PH***System Documentation*[Documentation](#)[IBIS-PH View](#)[IBIS-Q \(SAS\)](#)[IBIS-PH Admin](#)[Home](#)

System Documentation - Introduction

[Introduction](#)[Overall System Architecture](#)[Glossary](#)

Welcome to the IBIS-PH System Documentation. This page provides an overview of the system documentation for the three applications that comprise the IBIS-PH system (View, IBIS-Q, Data Admin). This documentation does NOT include end user documentation. It is intended to aid system administrators, content managers, application developers, and potential adopting agencies learn how to install, extend, and manage the IBIS applications. The documentation is organized into three sections which correspond to the main IBIS applications. Each application's documentation is then broken down into a series of high level categories. Each category contains an introduction or overview type page that describes what type of pages and information are contained within the category. The main categories that are consistent across all application documentation sections include:

- ◆ System Information - This category contains pages that are helpful to understand the application from the 30,000 foot level like architecture, design goals, features, history, requirements, naming conventions, and the directory structure and files descriptions.
- ◆ Administration/Installation - This category provides the details on how to setup and install the application, how to configure and customize it, as well as any system issue type pages.
- ◆ Content Management - These pages are task oriented and provide the needed information on how the "super/power user" can understand and maintain the "data" or content presented.
- ◆ Implementation Reference - Contains pages that describe the actual design and lower level implementation detail. This includes topics like request flows, how errors are handled, URI options etc.

IBIS PH Forums

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Welcome to the IBIS PH Forums.

If this is your first visit, be sure to check out the [FAQ](#) by clicking the link above. You may have to [register](#) before you can post: click the register link above to proceed. To start viewing messages, select the forum that you want to visit from the selection below.

Forum	Last Post	Threads	Posts
 CoP Welcome Welcome to the IBIS-PH Community of Practice Forum. For topics related to the Community of Practice and use of the Forum.	 Welcome / ReadMe by Lois Haggard 11-21-2007 06:17 PM >	1	1
 Community Trac/Forum/Repository Issues General IT support for the community web site's tools and resources	Never	0	0
 Installation and Customization Topics related to general installation and customization issues.	 IBIS-Admin for NJ by Paul Nicolette Yesterday 10:20 PM >	2	2
 IT Support For topics related specifically to IS&T maintenance of IBIS.	Never	0	0
 Page Content Development For topics related to developing page content for query and indicator pages.	Never	0	0
 Datasets, Statistics & SAS For topics related specifically to using SAS for IBIS or public health data analysis.	 SAS dataset formats for IBIS-0 by Lois Haggard 11-27-2007 10:48 PM >	1	1
 Environmental Public Health Tracking Topics related to using IBIS for EPHT.	 SEER Population Data by Lois Haggard 11-29-2007 07:54 PM >	1	1

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Thank you!

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