

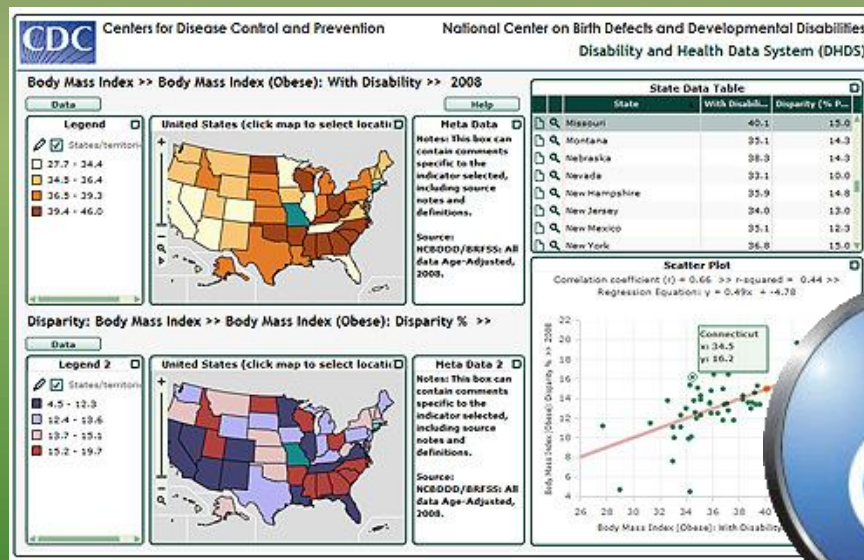


Centers for Diseases Control / Association on University Centers on Disabilities

Disability and Health Partners Meeting

Wednesday, May 19, 2010 – Atlanta, Georgia

Developing the Disability and Health Data System (DHDS) for better dissemination of disability data

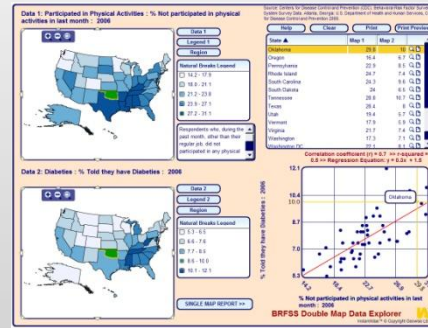


John E.A. Bartholomew, M.A., M.B.A. GeoWise Limited, Edinburgh, Scotland



I made it here - finally!

The Business Case



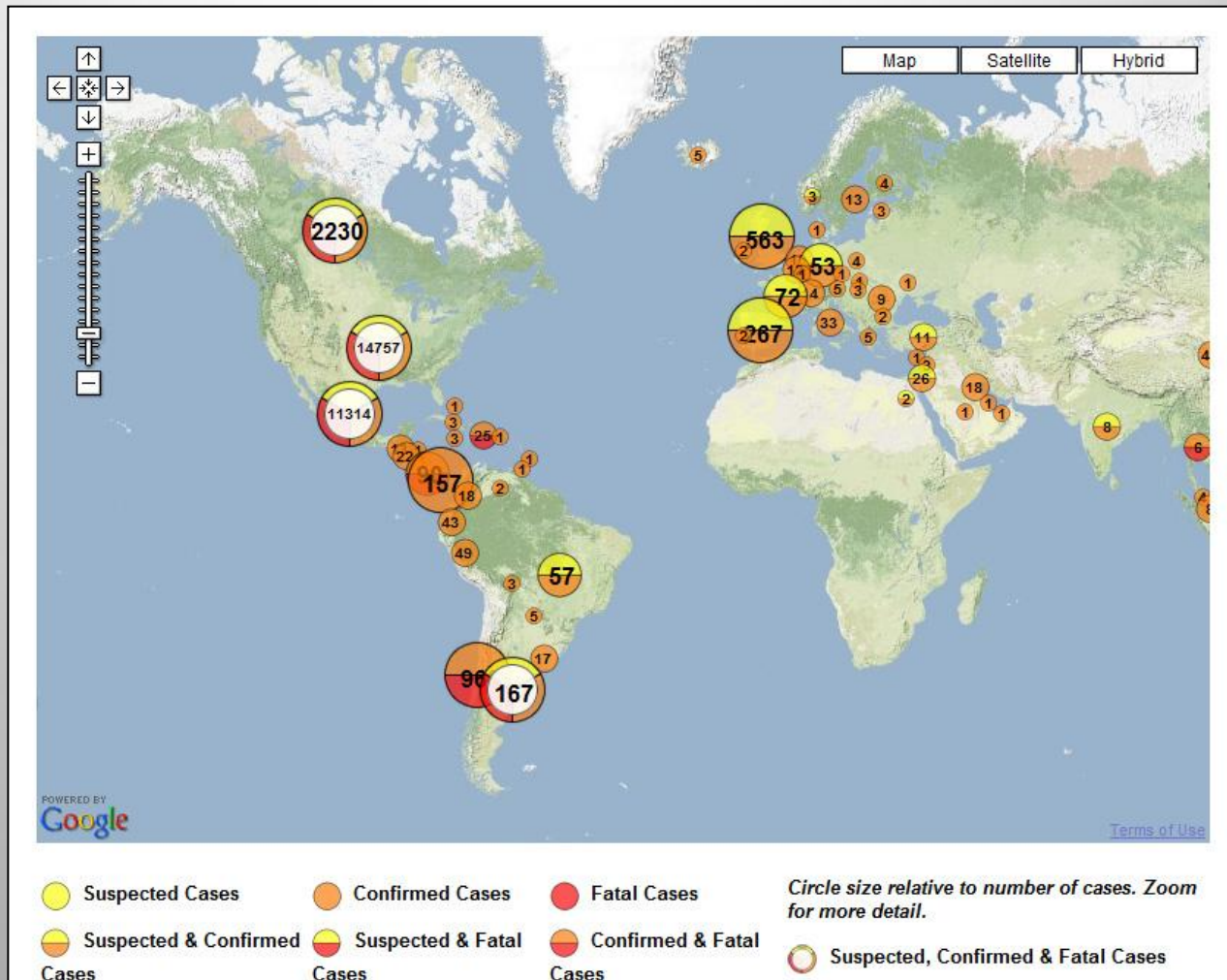
- ❑ More powerful open source and commercial graphical and mapping tools now exist to engage commitment to priority health issues.
- ❑ They can better sensitize policy-makers, internal and external audiences to the socio-economic, demographic and behavioral factors that drive health outcomes.
- ❑ In addition, mapping can present policy-makers with a local relevance and a means to ensure that the right resources are deployed where they are most needed.



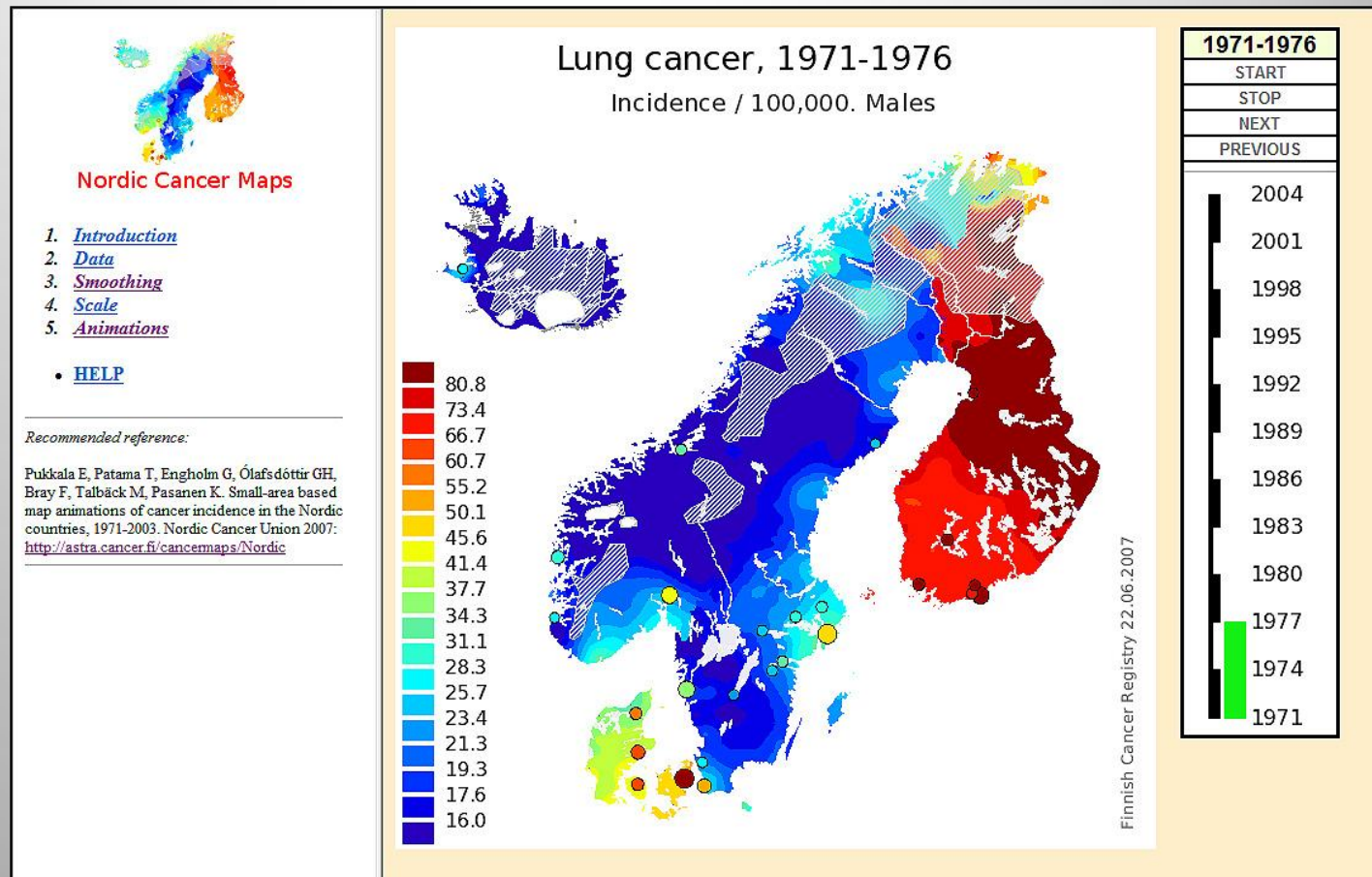
Challenges

- ❑ High dependency on scarce skilled resources to implement new technologies in public sector
- ❑ On many health organization websites, data is still predominantly presented in static formats:
 - PDF's, with query tools designed for creating tables for printing or downloading to spreadsheets.*
- ❑ Restrictive IT policies which present hurdles to decision-makers wishing to adopt new reporting media





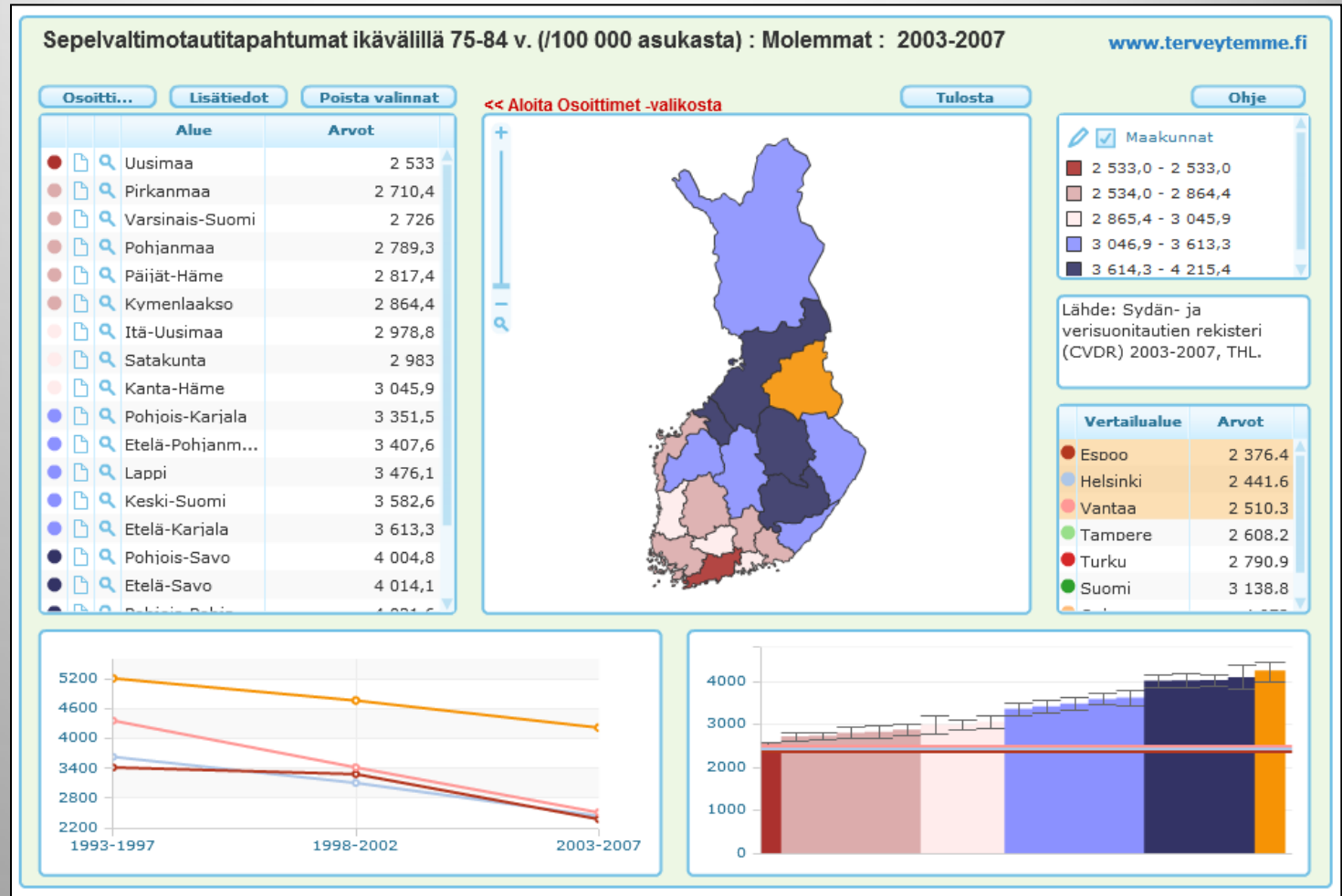
Tracking A/H1N1 (Rhiza Labs – FluTracker): The map is compiled using data from official sources, news reports and user-contributions and updated multiple times per day.



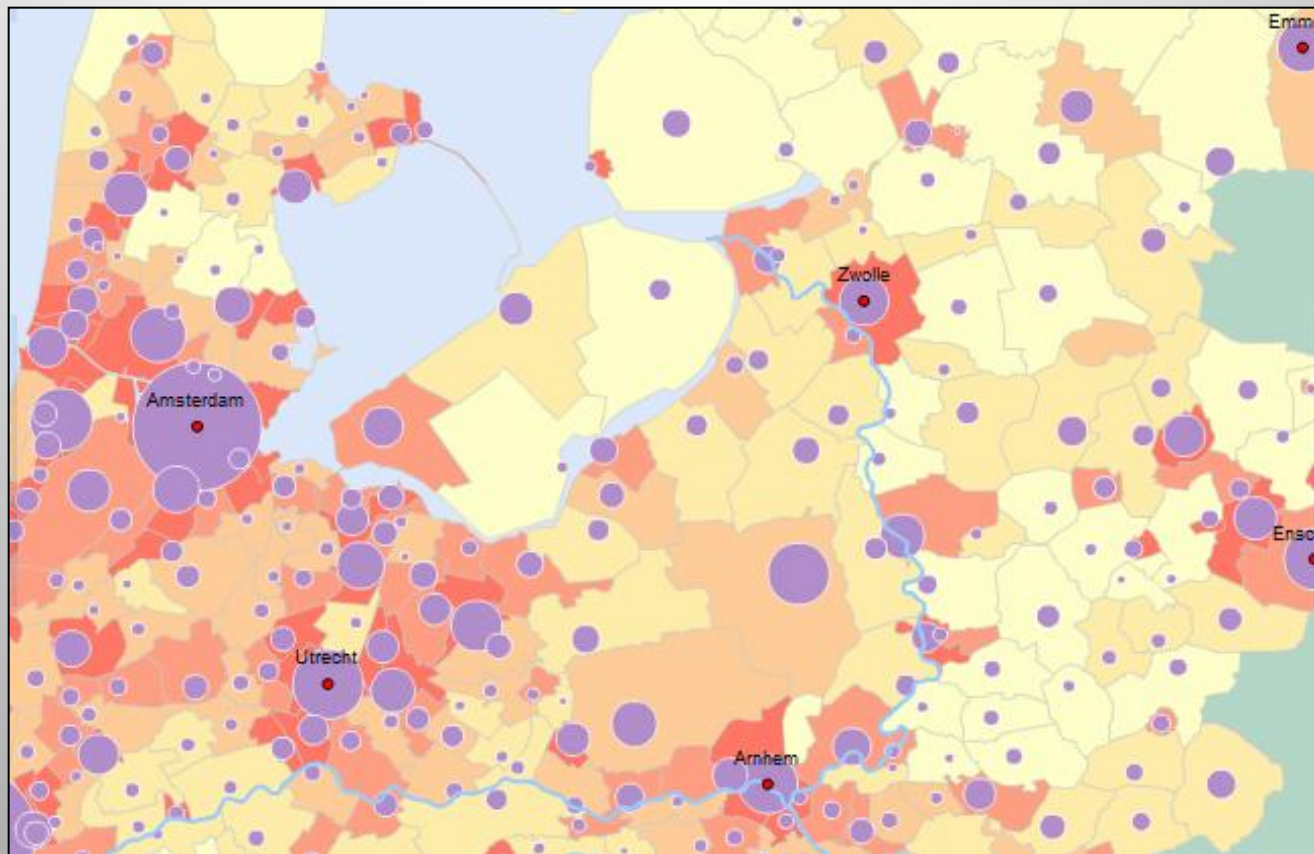
Using the right mapping solutions for the intended purpose:

Nordic cancer data maps with smoothing algorithms that work well to remove arbitrary data boundaries to understand spatial patterns.

Are they useful to local policy makers who have to allocate resources to address local needs?



Dashboard presentations allow the user to explore data spatially and temporally. They can be used to better communicate relationships between indicators or build profiles by area.



Statistical relationships between indicators: Cartographically sound solutions, but not always easy for the eye to read or interpret.

Should geo-scientists also be looking beyond just maps to communicate what matters on a theme?





Exploring BRFSS Risk Behaviors and Cancer Outcomes

Select different data for each map to explore relationships

1: BRFSS: Tobacco Use : % Smoke everyday : 2006

Data 1

Legend 1

- States
- 7.1 - 13.0
- 13.1 - 14.1
- 14.2 - 15.9
- 16.0 - 17.1
- 17.2 - 24.3
- Divisions
- Regions

United States

Florida : 16.0

Data 1: Notes

Respondents who now smoke cigarettes every day.

Data Table

States	Rate 1	Rate 2
Florida	16.0	13.8
Georgia	14.1	13.3
Hawaii	13.0	12.0
Idaho	12.9	14.3
Illinois	14.1	15.5
Indiana	18.6	14.9
Iowa	17.1	15.8
Kansas	15.2	13.7

2: Cancer Incidence Rates by Site, 2005 (CDC) : Male and Female, Kidney & Renal Pelvis : 2005

Data 2

Legend 2

- States
- 11.6 - 13.3
- 13.4 - 14.2
- 14.3 - 15.0
- 15.1 - 15.8
- 15.9 - 19.6
- n.a.
- Divisions
- Regions

United States

Data 2: Notes

Risk factors for kidney and renal pelvis cancer include smoking, obesity, sedentary lifestyle, occupational exposures to substances such as asbestos, cadmium, benzene, organic solvents and some herbicides, hereditary factors such as having von Hippel-

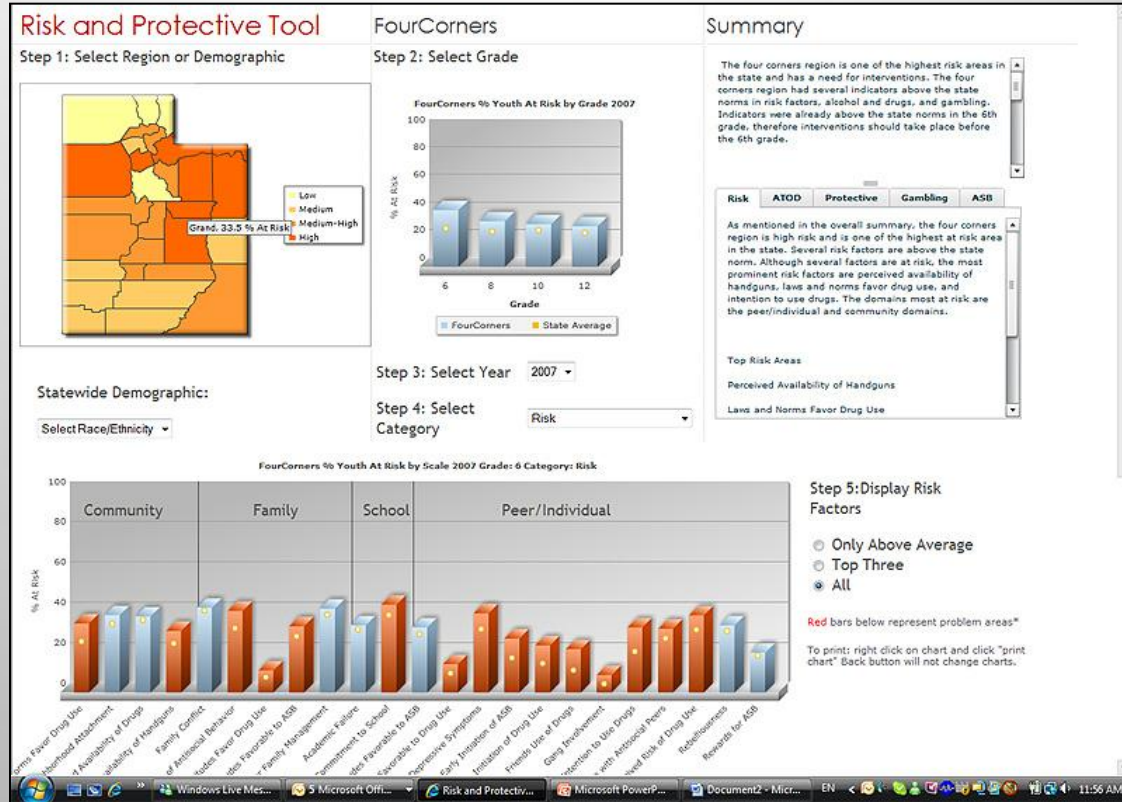
Scatter Plot: Rate 1 : Rate 2

Correlation coefficient (r) = 0.56 >> r-squared = 0.31 >>
Regression Equation: $y = 0.29x + 10.19$

Tips: (1) Select multiple counties by holding down CTRL key; (2) Click right mouse button to clear selections, print and export

Recognising the visual limitations of maps to show relationships between indicators , a pragmatic approach is used here: Show side-by-side maps with supporting tools to support the analysis.



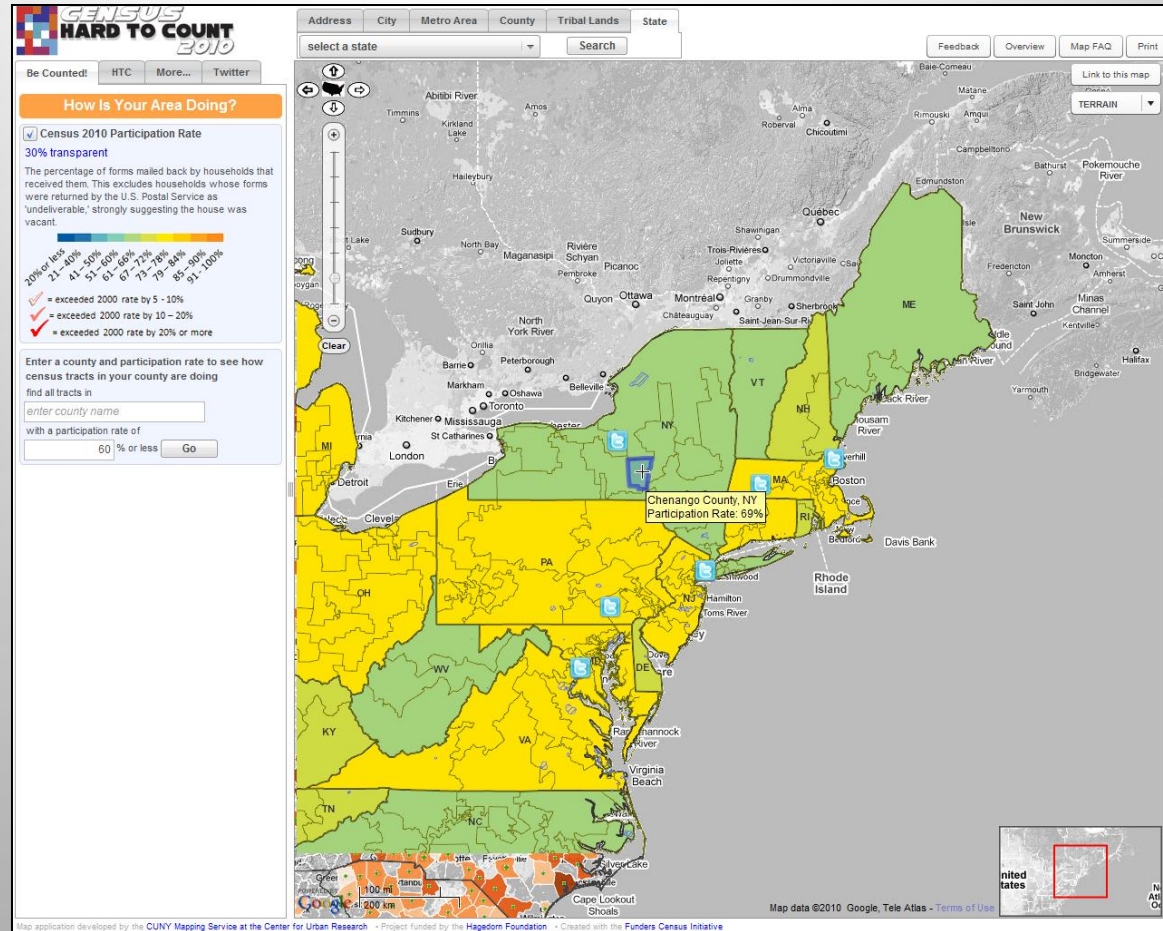


Utah Juvenile Justice Center

Powerful FLEX API implementations open new opportunities for visual creativity in presenting statistics.

They also require specialist developers to create them properly.



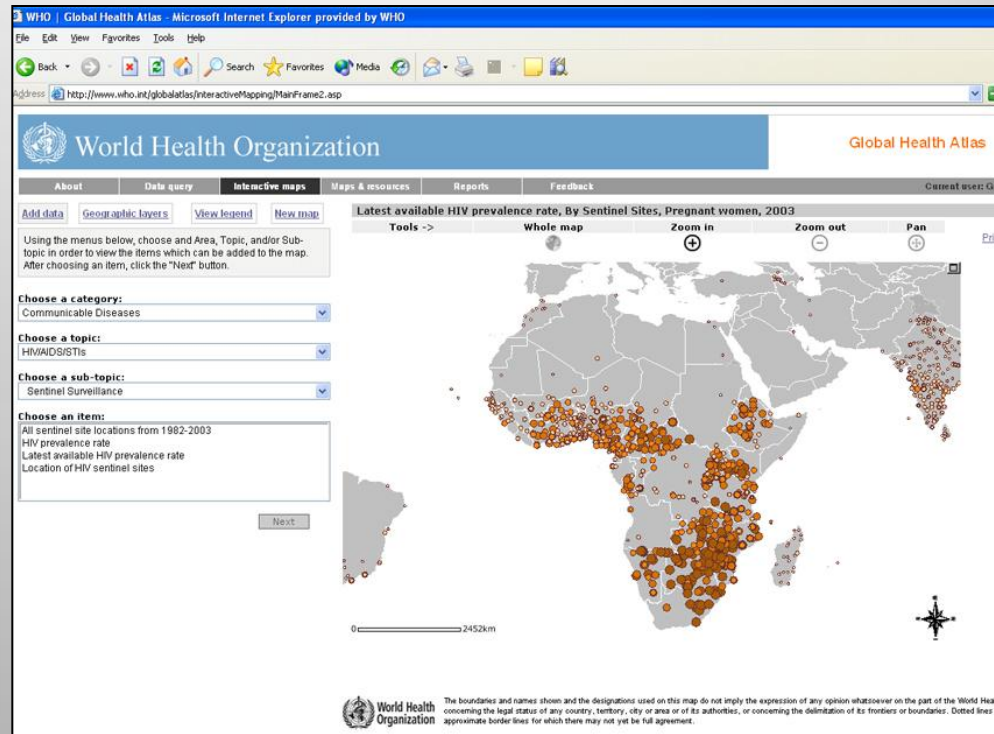


CUNY Mapping Service at the Center for Urban Research
Project funded by the Hagedorn Foundation

Another Powerful FLEX API implementation on
Google map base. Custom build.



The WHO Global Health Observatory



The World Health Organization's in completing a suite of systems beyond it's existing Global Health Atlas. (Live: May 2010)





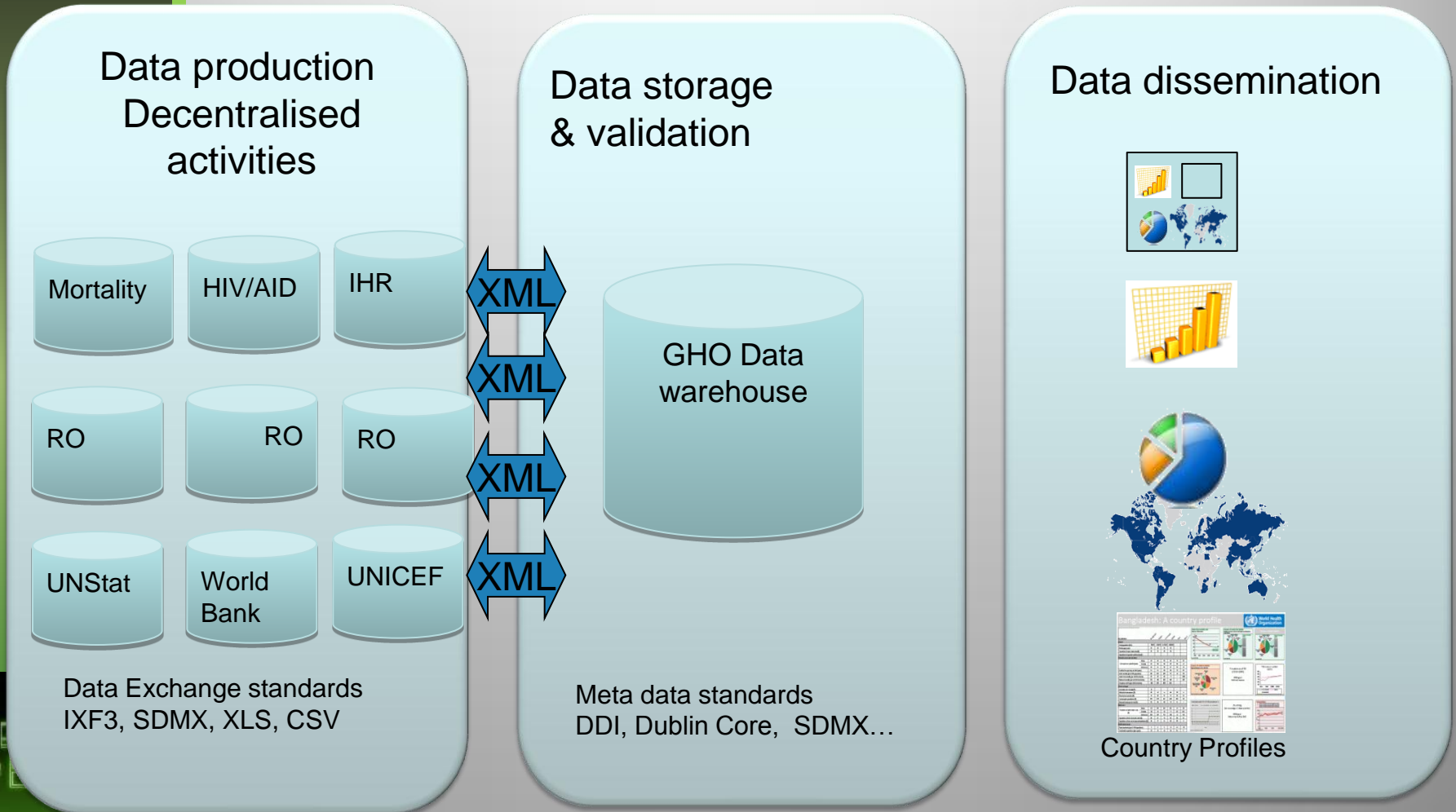
What will the WHO's GHO do?

- Support data sharing and access
 - a common database for data in WHO
 - an accessible and user friendly interface; users manipulate, download, manage data, cross-country comparisons, trends, country profiles
 - linking across disease databases, other agencies
- Encourage transparency
 - Differentiate crude, corrected, predicted data
 - Enable users to differentiate estimates from underlying empirical data
- Meet standards
 - Quality assurance and data sharing standards, DQAF, SDMX, DDI





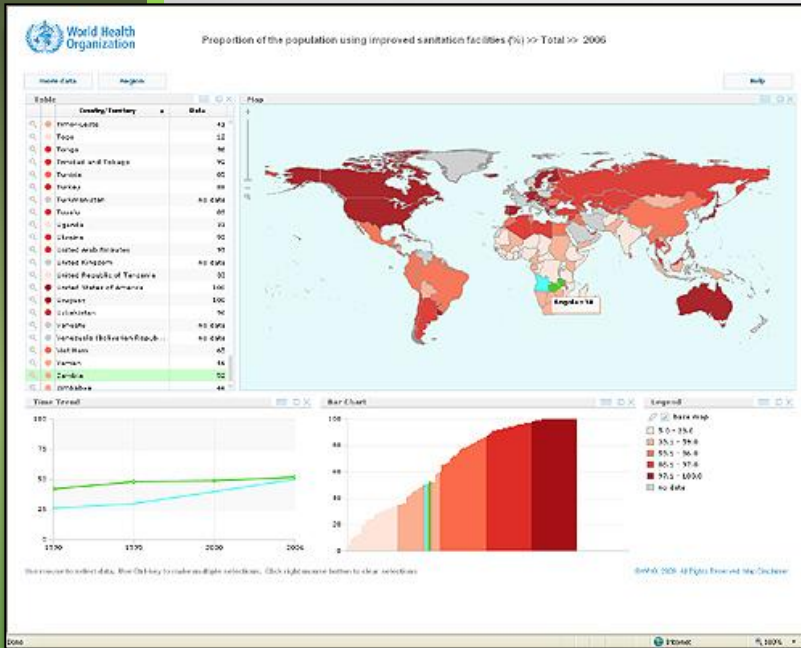
WHO – GHO - A federated system of databases



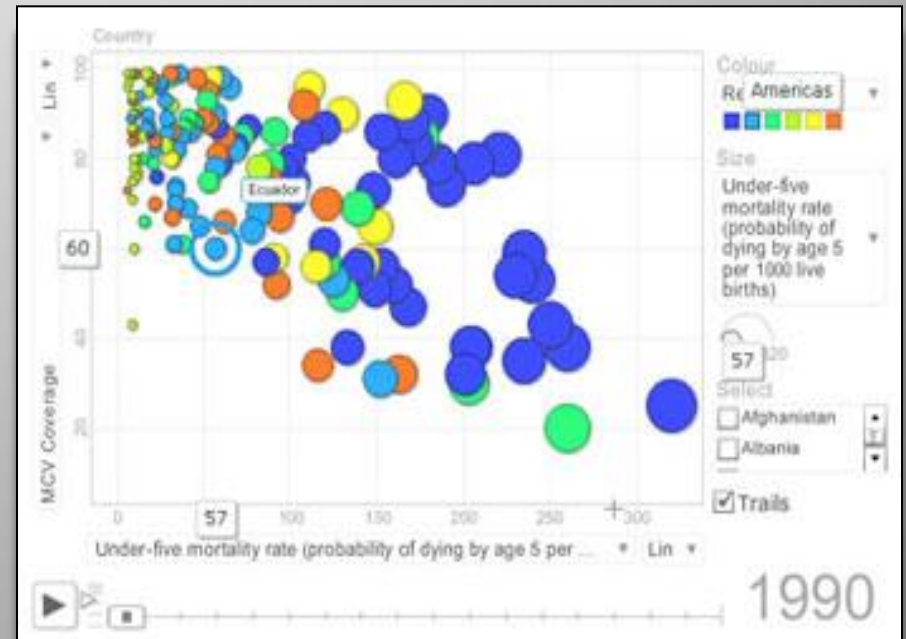


WHO GHO:

Portal with collections of static and interactive reports including dashboards, charts, maps, tables and graphs



GeoWise: InstantAtlas



Google: Gap Minder



World Health Organization

WHOSIS WHO Statistical Information System

WHO > WHOSIS > Detailed database search

Table | Chart

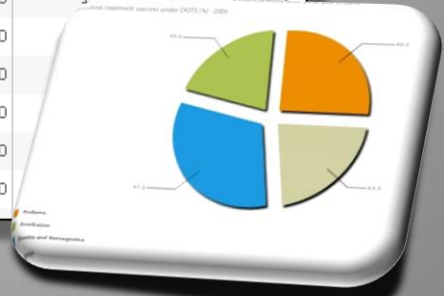
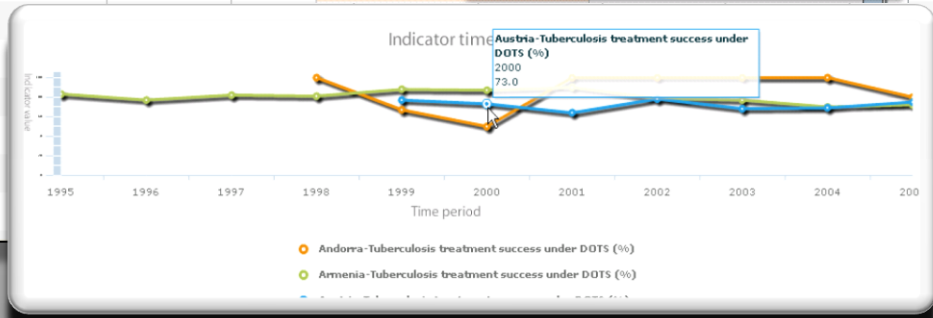
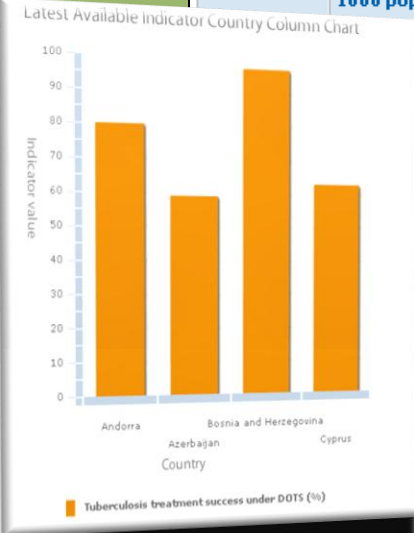
Export (.csv)

Location vs. indicator, time | Modify table | Start over | Indicator definitions

Location	Adult mortality rate (probability of dying between 15 to 60 years per 1000 population) both sexes	Adult mortality rate (probability of dying between 15 to 60 years per 1000 population) female	Adult mortality rate (probability of dying between 15 to 60 years per 1000 population) male	Age-standardiz. ..	Age-standardiz ed mortality rate for cardiovascular diseases (per 100 000)	
	2000	2006	1990	06	2002	2002
1.0	153.0	135.0	16	149.0	103.0	314.0
4.0	483.0	493.0	4	539.0	179.0	486.0
4.0				9.0	154.0	422.0

2.0

Coverage for the female population aged 50-69 years. Source: World Health Survey, Geneva, World Health Organization, 2006 (<http://www.who.int/healthinfo/survey/whsresults/en/ind ex.html>, accessed 17 March 2008).





Regional & National Health Observatories

Regional WHO Focal Points
e.g. PAHO, Washington

National Health Ministries
e.g. New Zealand Ministry of Health





NATIONAL CANCER INSTITUTE **State Cancer Profiles** **CDC**
 Dynamic views of cancer statistics for prioritizing cancer control efforts in the nation, states, and counties
 Help us improve! Contact us with feedback.

Profiles Home > Interactive Maps

Area: [About this Map](#)

Cancer: [Quick Reference Guide](#)

Data: [Tutorial](#)

Race/Ethn:

Sex:

Age:

Year(s):

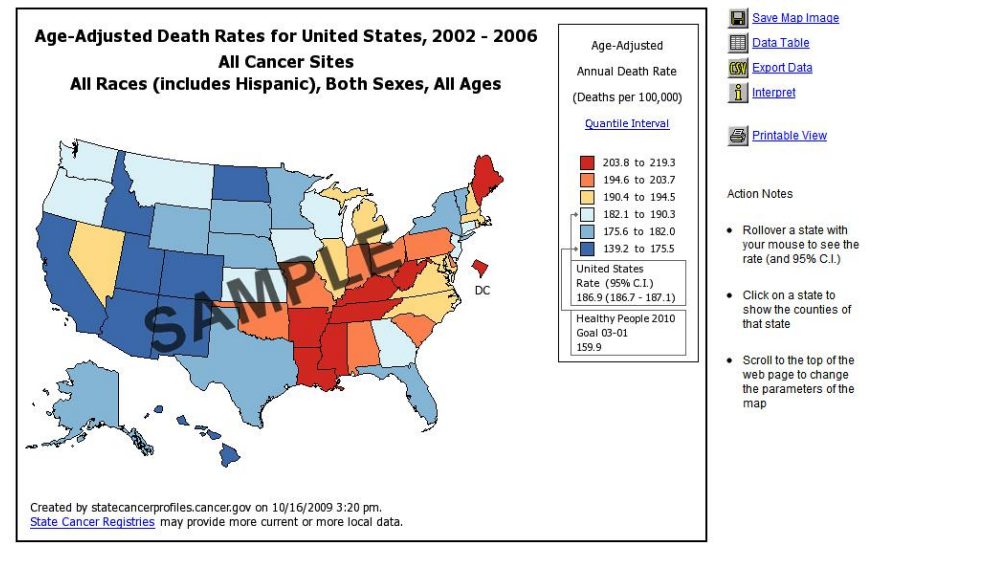
Map Options

Interval Type: [Interval Type](#)

Number of Intervals:

Color Scheme: [Color Scheme](#)

[Data Use Restrictions](#)



The U.S. Centers for Disease Control have a collection of different custom-built visualizations combined with data query dialog boxes.

Some are best practice examples, with attention to Section 508 compliance display and navigation options.

All were expensive, one-off projects built over months of planning and design.





What are good visual communication practices for the web with mapping ?

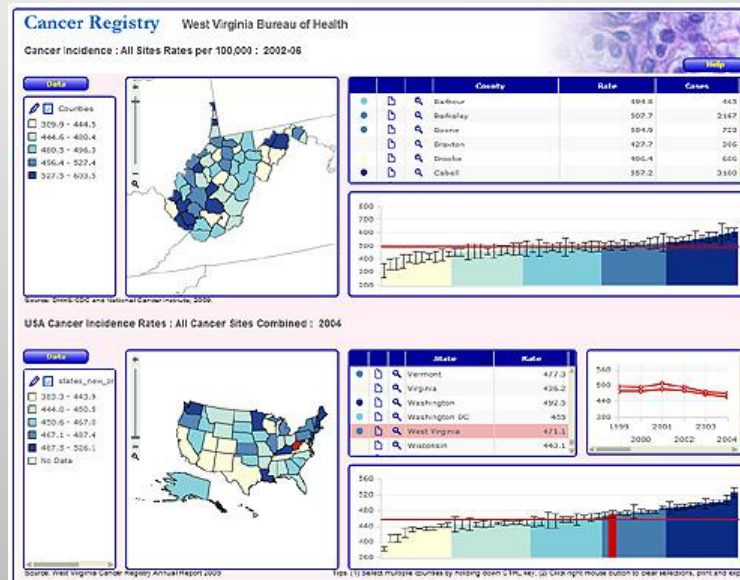
- ❑ Ease for audience to grasp key spatial trends
- ❑ Intuitive interactivity and presentation
- ❑ Audience-appropriate design and complexity
- ❑ Design focused on promoting valid, evidence-based conclusions to be drawn
- ❑ A need to differentiate between analytical maps and thematic presentations





instantatlas

visualize | communicate | ENGAGE



An inexpensive powerful data visualization and presentation tool

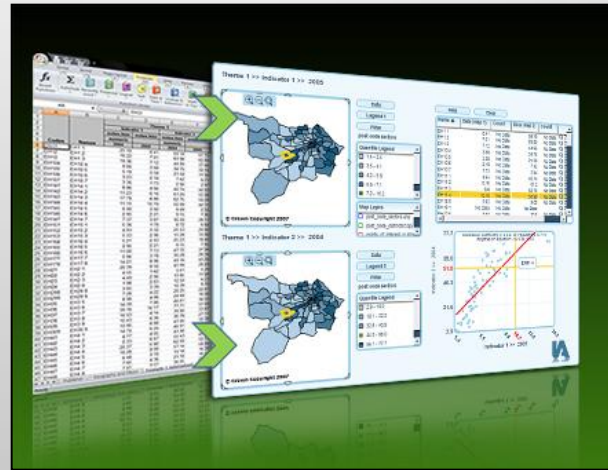
Enhances the value of data by making local patterns easy to see and explore.





instantatlas

visualize | communicate | **ENGAGE**



**No expertise in data publishing, delivery
or mapping needed.**

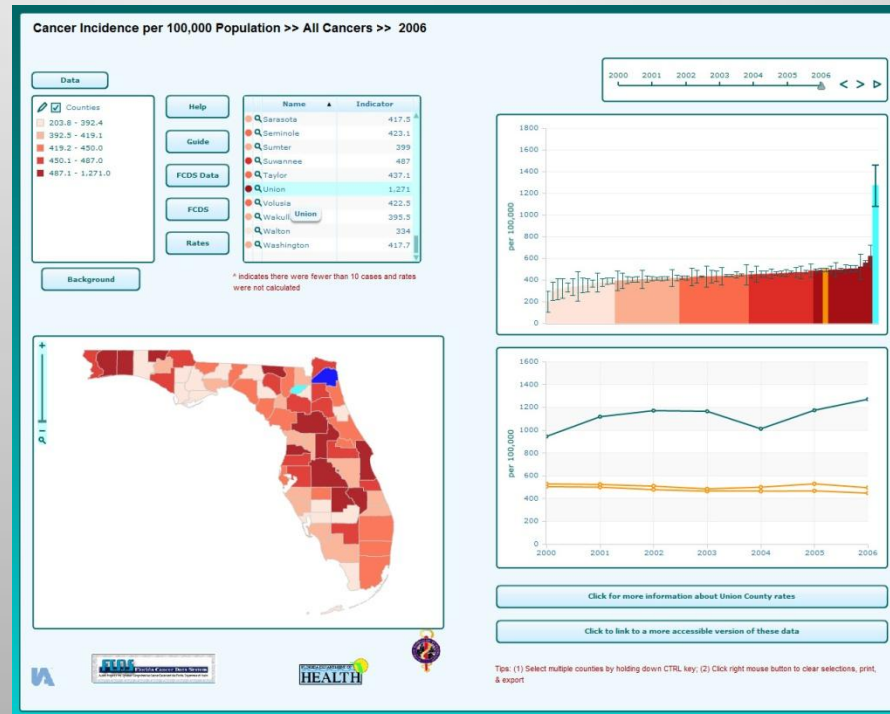
- 1) You can take data from a spreadsheet, add your boundary file
- 2) Publish an InstantAtlas stand-alone dynamic report
- 3) Place it on your web site!





instantatlas

visualize | communicate | ENGAGE



Produce presentation quality reports as atlases, profiles and performance dashboards





Key Areas of Use

The InstantAtlas platform comprises two off-the-shelf, scalable software solutions designed for use by:

- Analysts, researchers, geo-spatial scientists and information professionals
- Web application developers, GIS technicians and developers

In many different public and private sector organizations for:

- Public Health and Social Care
- Local and Community Information Systems
- Deprivation and Inequality
- Regeneration and Development
- Crime and Community Safety
- Local and National elections
- Geo - marketing





Public Health and Social Care

US Department of Health programs and functions where InstantAtlas identified as adding value:

- Chronic Disease Prevention and Health Promotion (BRFSS)
- Alcohol / Drug abuse, Youth Risk Behavior Survey (YRBS)
- Cancer Registry or Cancer Studies
- Vital Statistics
- Immunization Registry
- Epidemiology
- Infectious Disease Surveillance / Chronic Disease Surveillance
- Injury Prevention & Emergency Services / hospital discharge / ER dept. data
- Child, Maternal, Family Health
- Behavioral Health
- Children's Services
- Juvenile Justice
- Health Care Services
- Senior & Disabilities Services
- Environmental Public Health Tracking
- Public Health Nursing
- Healthcare Workforce Studies
- Geographical Information Services / IT Services / Web Services
- Financial Services





Key Benefits

- ❑ Enhance the value of your data

Bring your data to life and help people make informed decisions.

- ❑ Makes your data stand out visually

InstantAtlas stand-alone, dynamic reports catch the reader's eye and make your data stand out from the crowd.

- ❑ Quick and easy to implement

You do not need any special technical knowledge

- ❑ Use and re-use as often as you need

Pay once then use, and re-use. The more you use InstantAtlas the greater the return on your investment.





Key Benefits

- ❑ No need to "re-invent the wheel"

There is no development required. You only buy what you need.

- ❑ Low cost compared to Internet mapping server solutions

As little as 10% of the cost of using map server software.

- ❑ Flexible and portable

Place reports on a web site, on a laptop for presentations, send by email or distribute on CD.





InstantAtlas Desktop

PUBLISH



DESIGN



POPULATE



GENERATE REPORT WITH GEOGRAPHY OF CHOICE

Population >> Population per Square Mile >> 2000

Name	Data	Total
Jefferson	655.14	455,468
Jefferson E	102.76	31,436
La Salle	27.09	16,904
LaFourche	77.07	83,602
Lafayette	607.55	163,978
Lincoln	90.18	42,500
Livingston	141.67	91,814
Madison	22	13,728
Morehouse	39.05	31,021
Natchitoch	31.1	39,080
Orleans	2,683.93	484,678
Ouachita	241	147,250
Quasquet	31.68	26,757
St. Charles	49.84	22,761
St. James	24.76	9,622
St. Landry	11.61	20,488
St. Martin	27.11	23,459
St. Tammany	144.52	67,229
St. Charles	169.45	48,072
St. Helena	25.77	10,526
St. James	86.21	21,216

Time Series Chart: 1950, 1970, 1990, 2000

Bar Chart: 0.0 to 2,683.7

Quantile Legend: 7.6 - 27.0, 27.1 - 39.1, 39.2 - 83.3, 83.4 - 144.5, 144.6 - 2,683.7

Map Layers: Louisiana Regions, Background Mapping

Comparison Areas: Cajun: 114.38, Crossroads: 35.45, Greater New Orleans: 567.82, Plantation: 173.37, Sportsmans Paradise: 97.05, Louisiana: 102.58





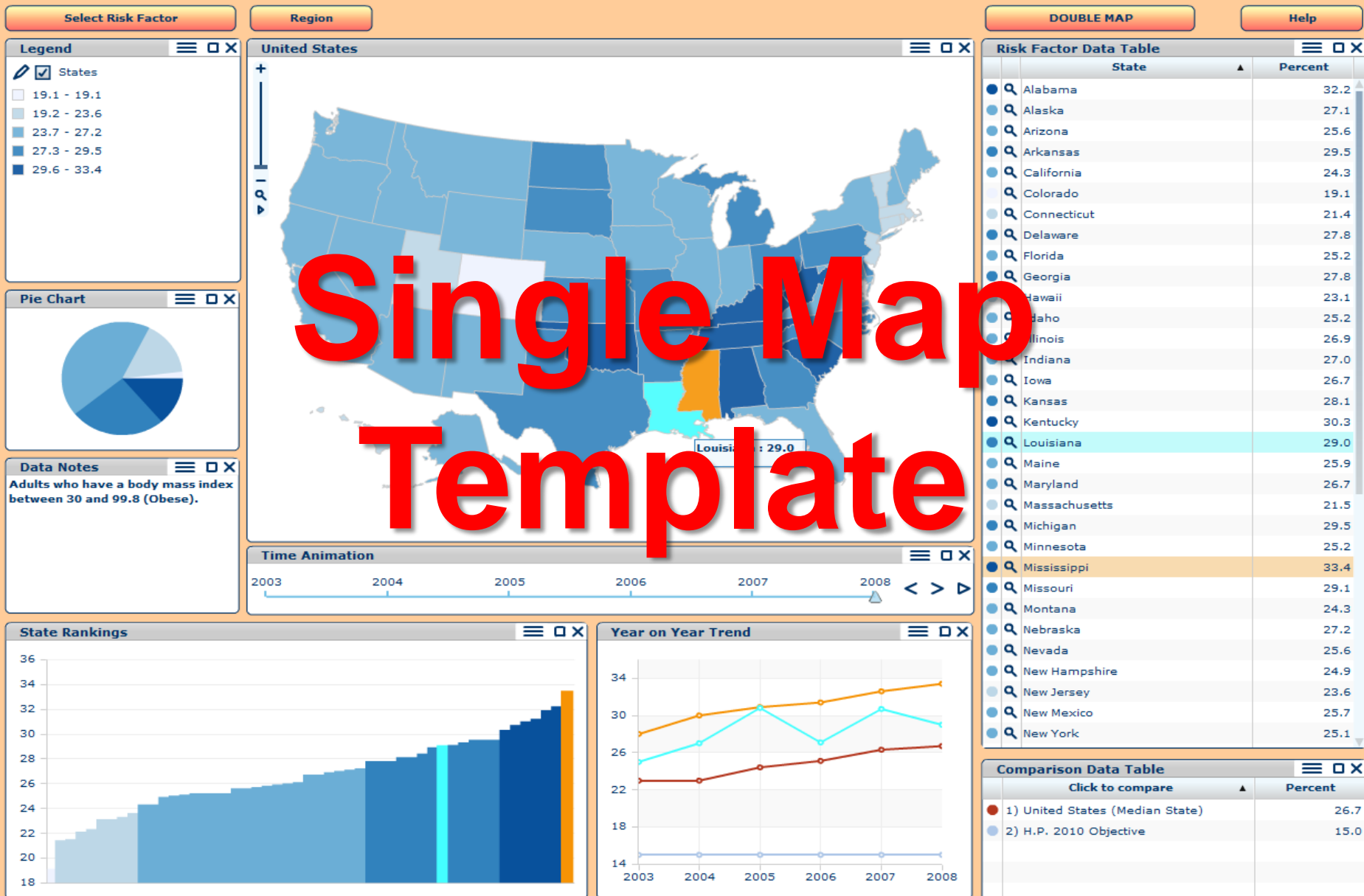
Features

Templates

Pre-defined views, packed with features including point and area maps, map panning and zooming, dynamic links between charts, tables, maps and legends, time-series animation, hotlinks to external web pages.



BMI Categories: % Obese (bmi 30.0 - 99.8) : 2008





County Incidence*: Breast : Sex: Females

Select Cancer Site

CONCEPT SAMPLE

Notes

Help

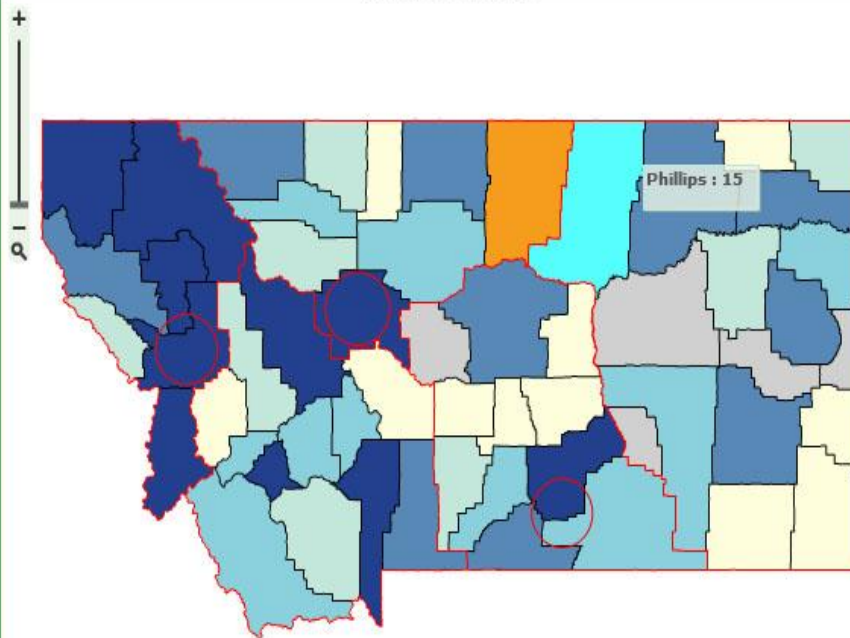
Legend

- Counties
- 0.0 - 11.0
- 11.1 - 20.0
- 20.1 - 34.0
- 34.1 - 63.0
- 63.1 - 497.0
- ~
- Health Planning Regions
- Background Mapping

Notes

This is a preliminary report for the 2003-2007 reporting interval. Data for diagnosis year 2007 are considered 90% complete at this time. A comprehensive final annual report will be released when 2007 data are 95% complete. (* Incidence includes all invasive cases plus bladder insitu cases)

Montana Counties

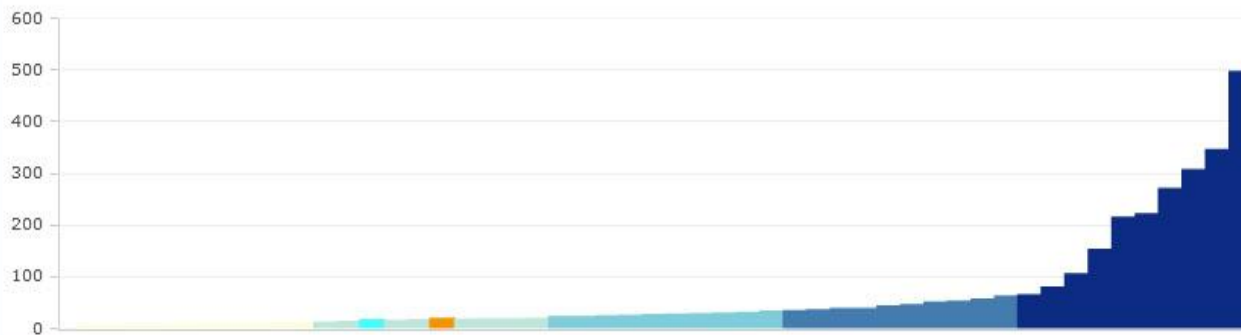


@www.demis.nl

Cancer Counts

County	Cases
Beaverhead	28
Big Horn	31
Blaine	17
Broadwater	23
Carbon	36
Carter	6
Cascade	271
Chouteau	26
Custer	44
Daniels	8
Dawson	57
Deer Lodge	27
Fallon	8
Fergus	53
Flathead	346
Gallatin	222
Garfield	~
Glacier	51
Golden Valley	5
Granite	10
Hill	46
Jefferson	29
Judith Basin	~
Lake	106
Lewis and Clark	215

Ranked Bar Chart



Comparison Table

Total	Cases
Montana State	3256

~ Counts are suppressed when fewer than 5 cases to ensure confidentiality and statistical reliability.



[Help](#)
 Cases

8,000



▶ Cumulative: Human cases of Influenza A(H1N1):
 ▶ Daily Report: Human cases of Influenza A(H1N1):

Country	New Cases	Total
Portugal	0	1
Republic of Korea	0	21
Russian Federation	0	2
Singapore	1	1
Spain	2	138
Sweden	0	3
Switzerland	0	3
Thailand	0	2
Turkey	0	2
United Kingdom of Great Britain and Northern Ireland	0	137
United States of America	0	6764

World	New	Total
Deaths	0	92
Cases	444	13398

Chinese Taipei has reported 4 confirmed cases of influenza A (H1N1) with 0 deaths. Cases from Chinese Taipei are included in the cumulative totals provided in the table above. Cumulative and new figures are subject to revision


[Click here for latest influenza A\(H1N1\) updates from WHO](#)

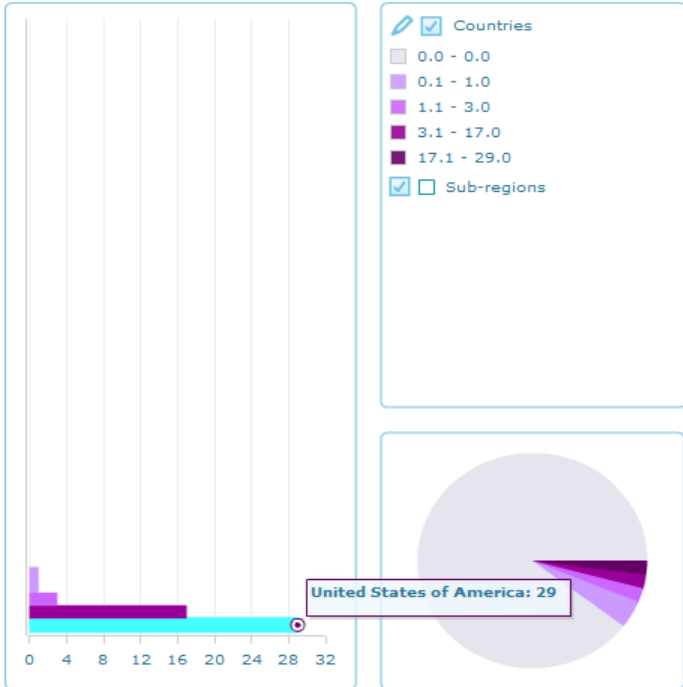
© WHO 2009. All Rights Reserved. Map Disclaimer.

Display maps with other indicators

Countries	Indicator
United States of Amer...	29
Mexico	17
Peru	3
Panama	1
Canada	1
Aruba	0
Barbados	0
Bermuda	0

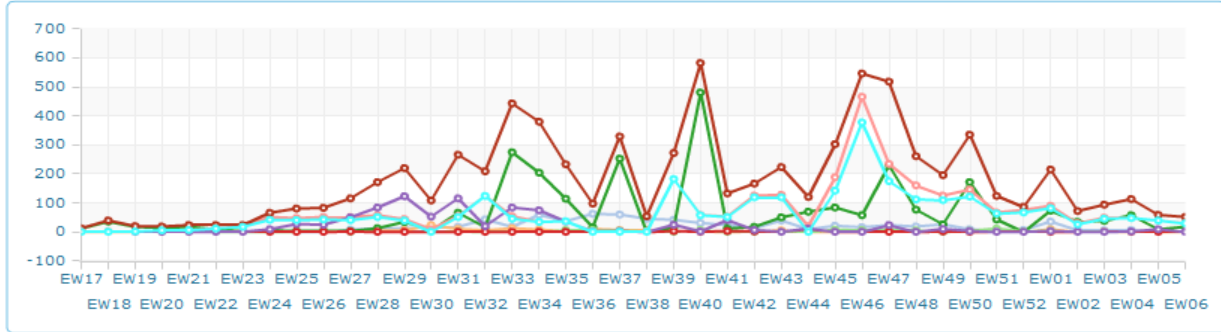
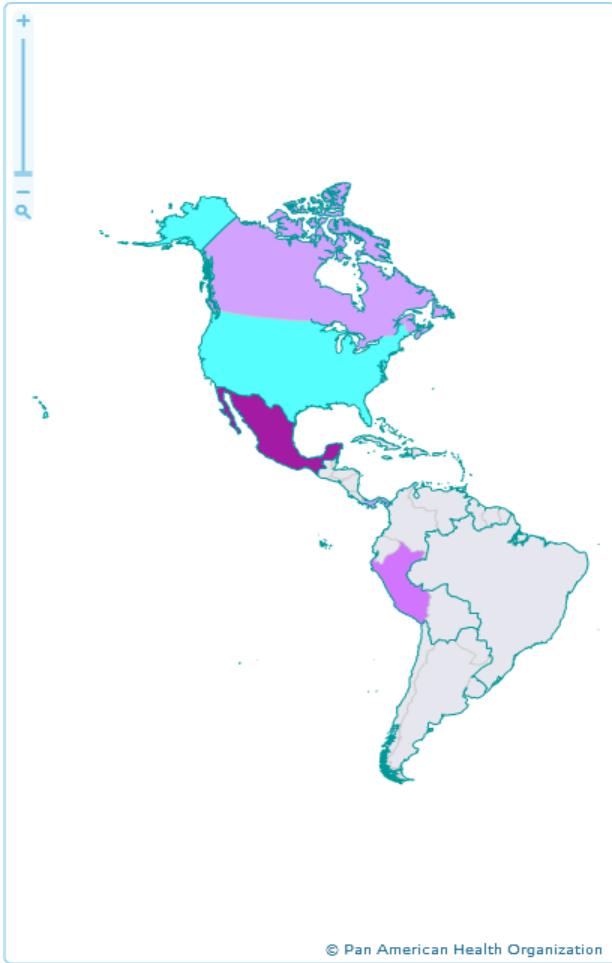
The Americas & Sub-regions	Indicator
Americas	51
North America	30
Latin America	17
Andean	3
Central America	1
Latin Caribbean	0
South Cone	0
Non Latin Caribbean	0

PAHO's Pandemics (H1N1) 2009 Portal



Select a Sub-region/Country

Help



Click on the PLAY button to review progress of each indicator along EW. Move forward > or backwards < along the time line

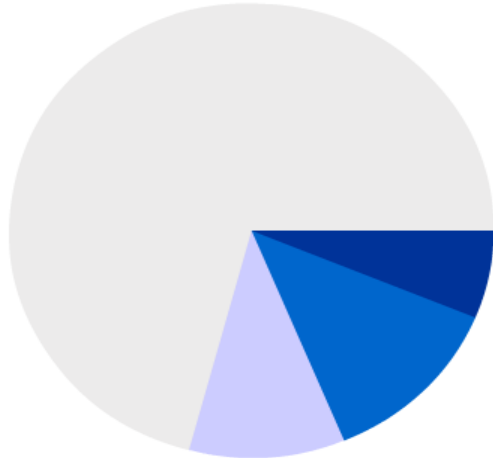
The map was prepared based on the indicators in the document Human Infection with Pandemic (H1N1) 2009 virus -WHO guidance on Global Surveillance- and will be updated on a weekly basis, click here for more ...

Notes



Selection of Indicators by Epidemiological Week (EW)

- Countries
- 1.No information available
- 2.Decreasing
- 3.Unchanged
- 4.Increasing
- Sub-regions



Select sub-region

View all countries

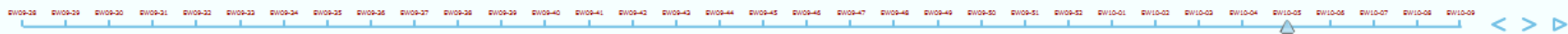
Help



	Country	Indicator's value
●	Ecuador	3.Unchanged
●	Canada	3.Unchanged
●	El Salvador	3.Unchanged
●	Costa Rica	2.Decreasing
●	Guatemala	2.Decreasing
●	Panama	2.Decreasing
●	Brazil	2.Decreasing
●	Nicaragua	2.Decreasing
●	Virgin Islands (USA)	1.No information available
●	Cuba	1.No information available
●	Uruguay	1.No information available
●	Anguilla	1.No information available

Definitions & Notes

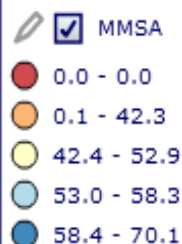
Click on the PLAY button to visualize indicators by epidemiological week on the map, for all countries or a selected region. Move forward > or backwards < along the time line. Each mark represents an epidemiological week from EW 28, 2009 (July 12-18) to EW 09, 2010 (February 28-March 6).



Prostate Cancer Screening/ PSA test >> Men aged 40+ who have had a PSA test within the past two years: Yes

Select Risk Factor

Legend



Pie Chart



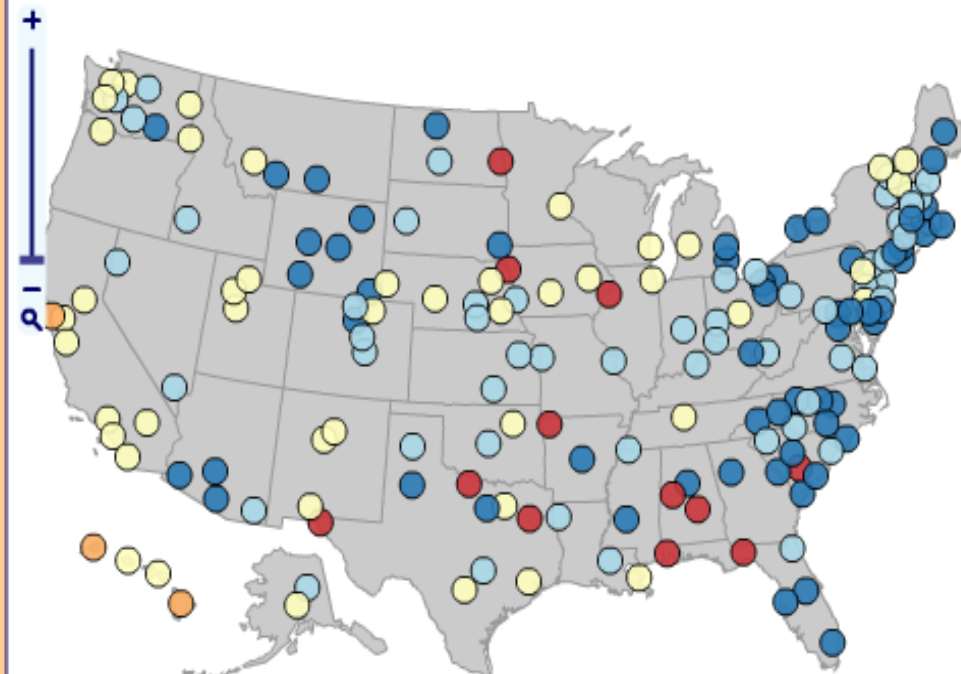
Data Notes

Men aged 40+ who have had a Prostate-Specific Antigen (PSA test) within past 2 years. A PSA Test is a blood test

STATE MAP

Help

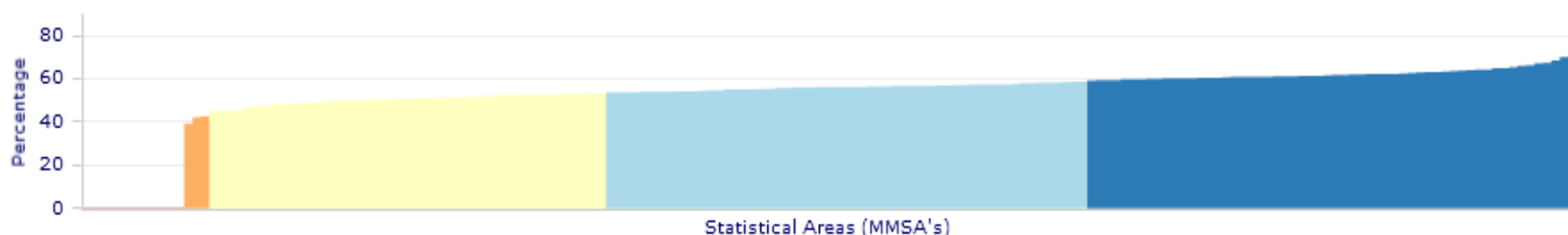
United States



Risk Factor Data Table

	Area	▲ Per...
●	Akron, OH	61.6
●	Albuquerque, NM	52.1
●	Allentown-Bethlehem-Ea...	52.4
●	Amarillo, TX	56.0
●	Anchorage, AK	50.2
●	Asheville, NC	62.9
●	Atlanta-Sandy Springs-...	62.7
●	Atlantic City-Hammonto...	53.4
●	Augusta-Richmond Cou...	68.2
●	Augusta-Waterville, ME	60.6
●	Austin-Round Rock, TX	56.3
●	Baltimore-Towson, MD	59.6
●	Bangor, ME	59.8
●	Barnstable Town, MA	60.9
●	Barre, VT	56.8
●	Baton Rouge, LA	54.3

MMSA Rankings



Tips: (1) Select multiple states by holding down CTRL key; (2) Click right mouse button to clear selections, print and export.

Source: Centers for Disease Control and Prevention (CDC). Behavioral Risk Factor Surveillance System Survey Data. Atlanta, Georgia: U.S. DHHS, CDC 2009.

[About](#)

Data

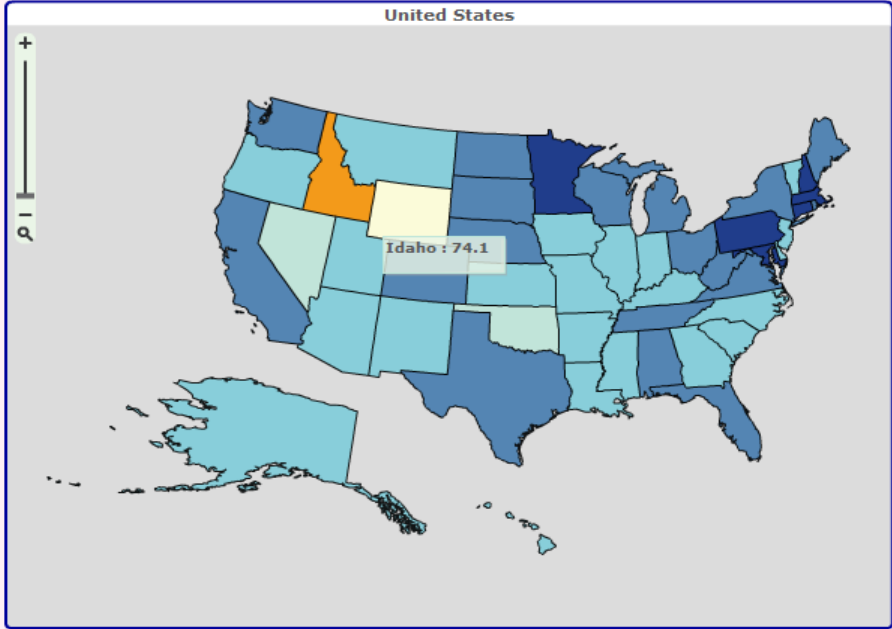
Vaccine : Diphtheria, tetanus toxoids and pertussis: 4+DTaP†

Notes

Help

State coverage table

State	Coverage	Range
Alabama	86.1	±5.7
Alaska	81.1	±6.8
Arizona	79.9	±7.3
Arkansas	80.3	±6.0
California	85.6	±3.3
Colorado	84.1	±7.1
Connecticut	91.2	±4.7
Delaware	81.3	±7.2
District of Columbia	90.0	±4.3
Florida	84.7	±5.7
Georgia	78.8	±6.7
Hawaii	80.4	±7.7
Idaho	74.1	±7.5
Illinois	81.9	±4.3
Indiana	83.0	±4.8
Iowa	83.7	±5.9
Kansas	82.9	±6.0
Kentucky	83.3	±5.7
Louisiana	83.3	±5.5
Maine	87.5	±5.7
Maryland	93.8	±3.0
Massachusetts	88.7	±5.0
Michigan	85.9	±6.9
Minnesota	90.2	±4.6
Mississippi	83.0	±6.0
Missouri	78.5	±5.9
Montana	79.1	±6.3
Nebraska	86.8	±5.3
Nevada	74.2	±7.3
New Hampshire	90.3	±5.8
New Jersey	81.1	±6.8
New Mexico	80.7	±7.5
New York	85.6	±3.7
North Carolina	82.3	±6.6



Legend

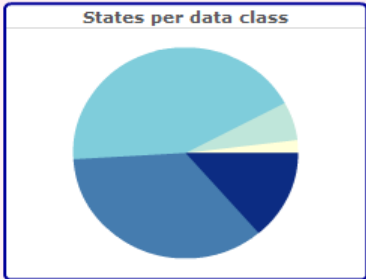
- States
- 68.6 - 68.6
- 68.7 - 74.2
- 74.3 - 83.7
- 83.8 - 87.6
- 87.7 - 93.8

Time Series

No time series data available

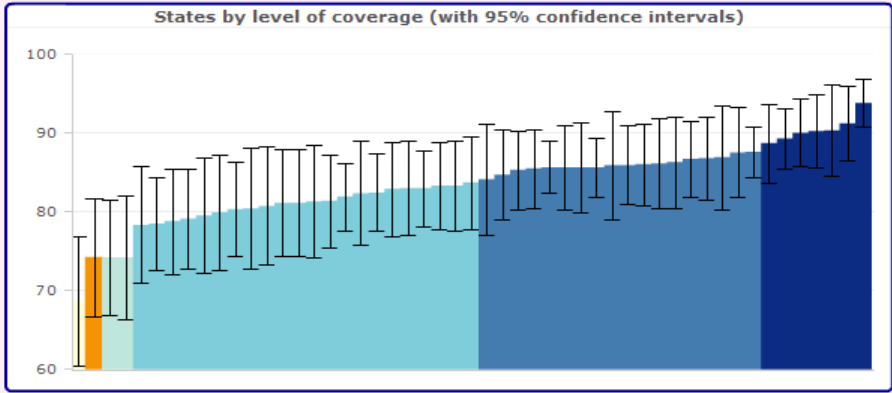
Data notes

‡ 4 or more doses of any diphtheria and tetanus toxoids and pertussis vaccines including diphtheria and tetanus toxoids, and any acellular pertussis vaccine (DTaP/DTP/DT).



National Table

Total	Coverage	Range
US National	84.6	±1.0



SOFTWARE DEMO REPORT

† Children in the Q3/2007-Q2/2008 National Immunization Survey were born between July 2004 and January 2007.



[Download Data](#)

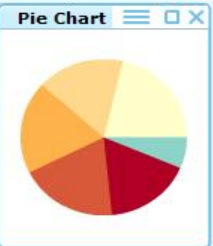
Pinellas Indicators: Interactive Report Sample (by Zip with point feature layers)

[Data](#)[Help](#)

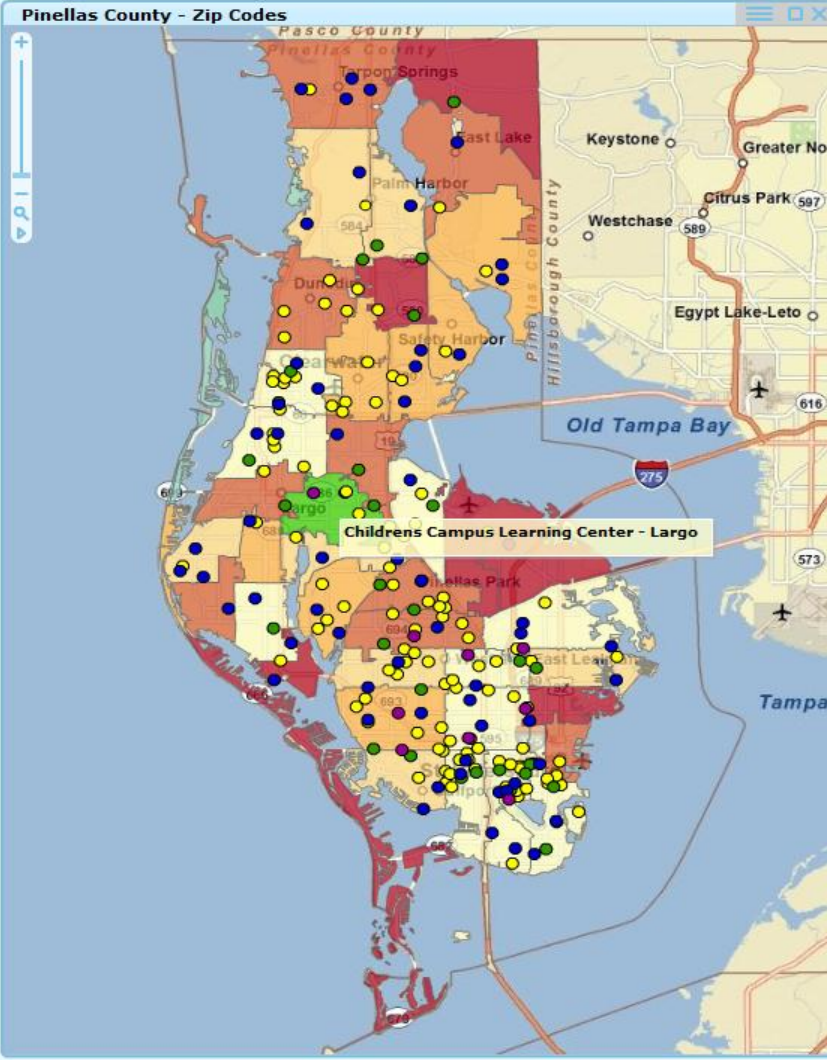
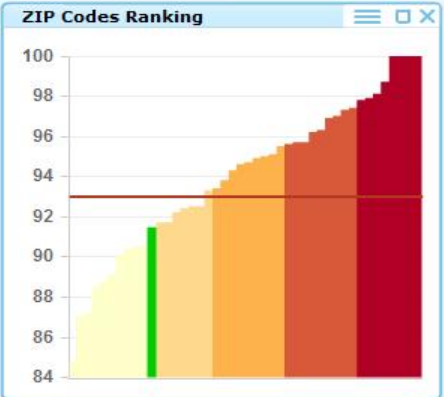
Legend

- ZIP Code Areas
- 84.8 - 90.5
- 90.6 - 93.3
- 93.4 - 95.5
- 95.6 - 97.4
- 97.5 - 100.0
- n<10
- Childcare (Star Rating = 4)
- Childcare (Star Rating = 3)
- Childcare (Star Rating = 2)
- Childcare (Star Rating = 1)
- Childcare (Star Rating = 0)
- Childcare (Star Rating = NA)
- Background Mapping

Childcare centers preferring not to disclose physical address are placed in center of zip code area.



instantatlas



Metadata

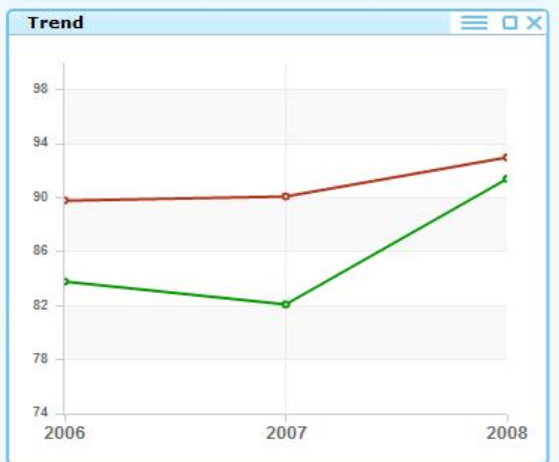
Early Childhood Observation System (ECHOS) is an assessment tool that measures benchmarks on how children are doing developmentally and whether they are progressing as expected. ECHOS is part of the Florida Kindergarten Readiness Screener (FLKRS) and is administered to assess the readiness of each child for kindergarten within the first 30 school days of each academic year. It has seven domains - language and literacy, mathematics,

Table

ZIP Code	Percent	Students
33771	91.4	152
33772	90.4	136
33773	92.5	106
33774	91.7	132
33776	96.3	81
33777	94.6	130
33778	94.3	106
33781	96.9	224
33782	97.3	150
33785	95.5	22
33786	n<10	n<10
34677	94.9	178
34681	n<10	n<10
34683	93.3	209
34684	92.4	144
34685	97.4	115
34688	98.1	54
34689	95.7	184
34695	94.7	114
34699	97.0	100

Comparison Table

County	Percent	Students
County	93.0	5,524



Alaska Behavioral Risk Factor Surveillance System

Physical Health Days (Mean) : Mean : 2006-2008

CHANGE MAP

SELECT VARIABLE

TABLE OR CHART

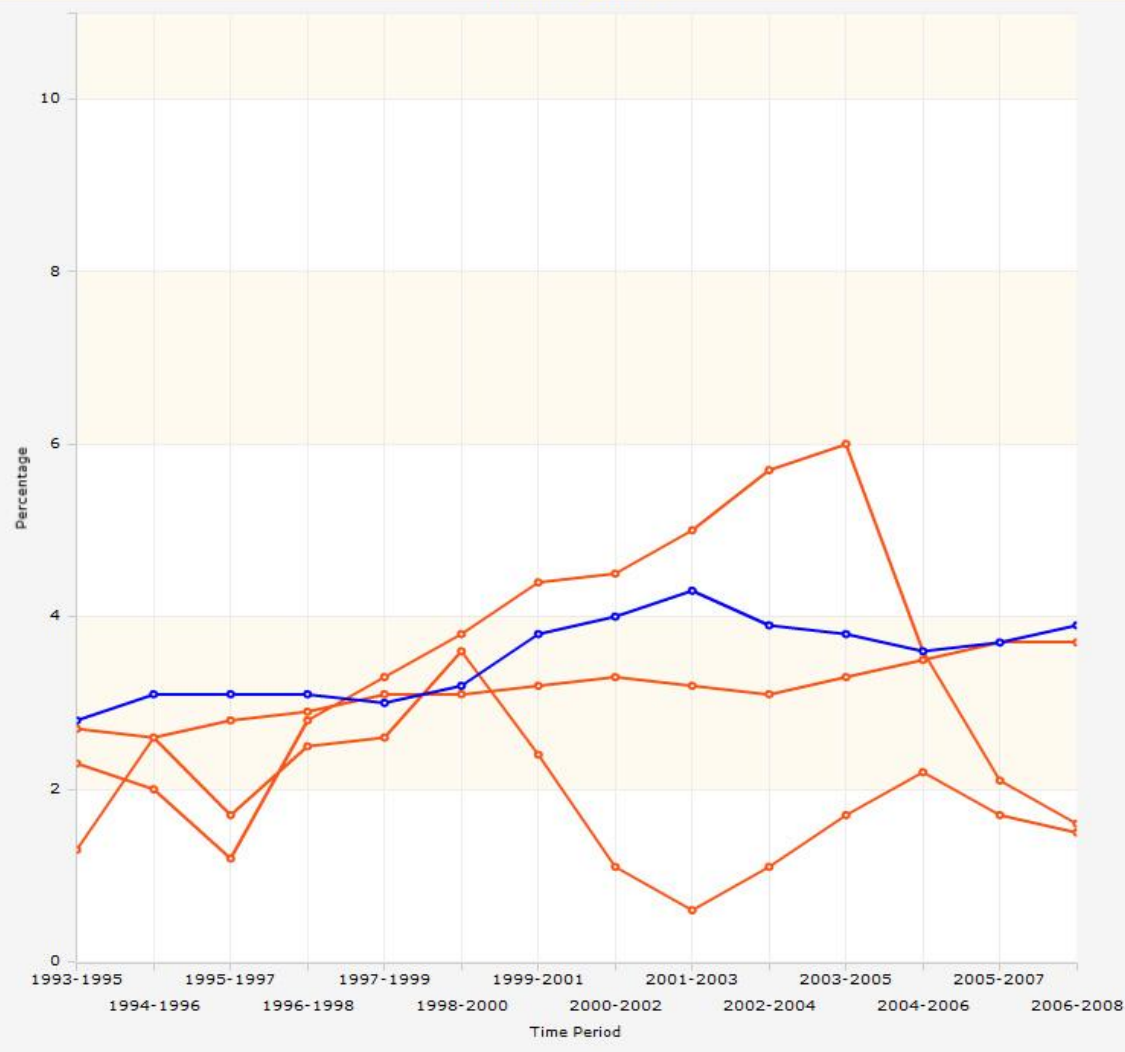
CHANGE LEGEND

MAKE COMPARISONS

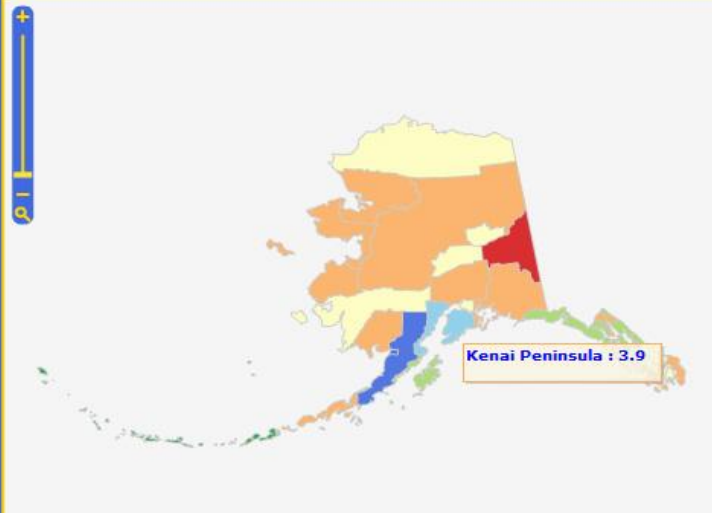
TIME OR QUESTION

GET HELP

Time Series Chart

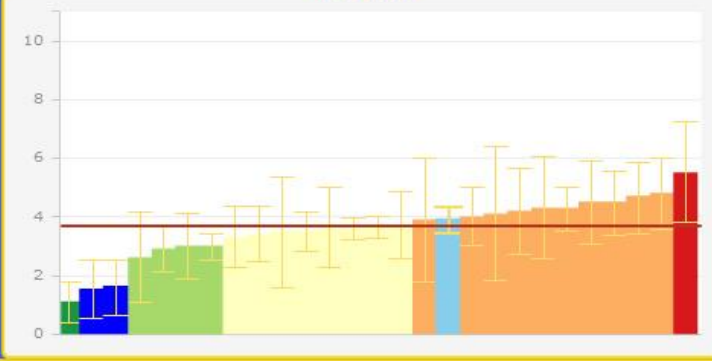


Alaska

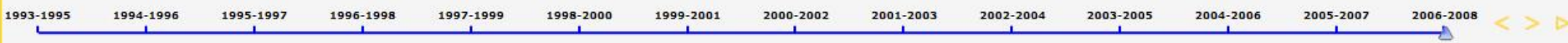


Alaska Health Survey Laboratory

Bar Chart



Time Animation



COMMUNITY HEALTH PROMOTION & CHRONIC DISEASE Behavioral Risk Factor Surveillance System

Help

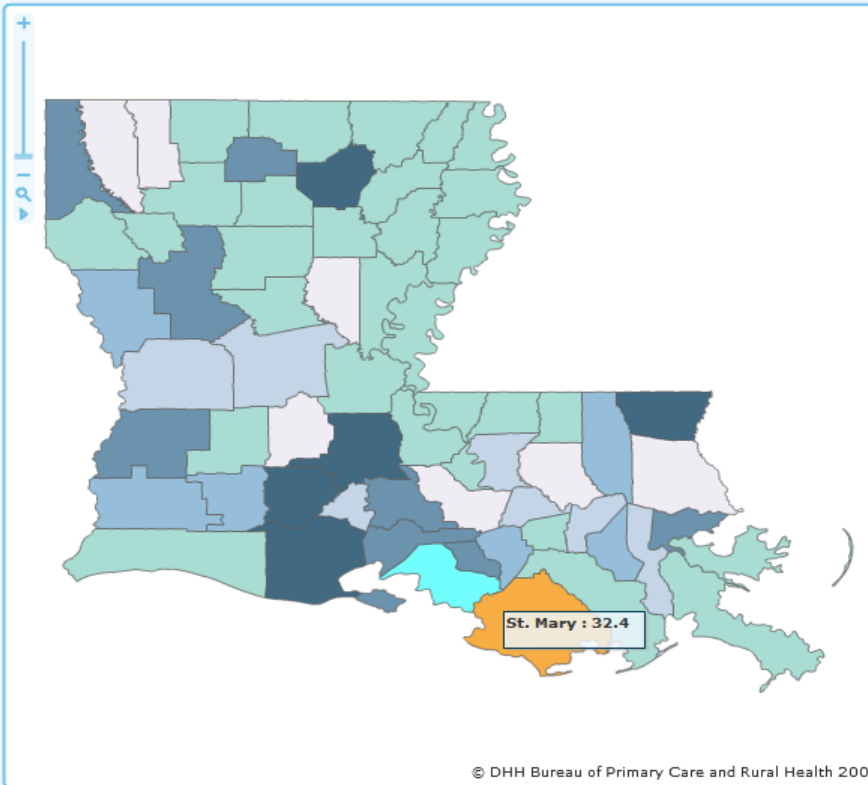
Legend



SELECT DATA

Louisiana % Residents Without Health Insurance (18-64yrs) : 2006-2008

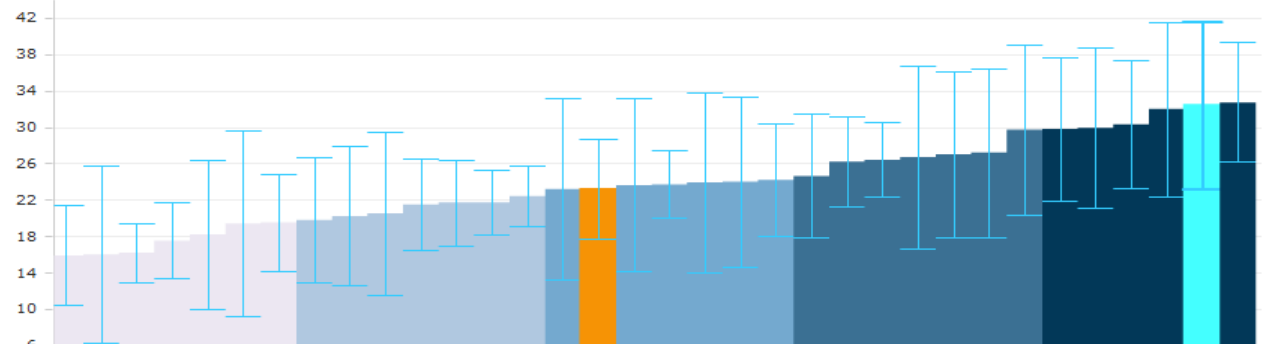
Parish ▲	Rate	Sample Size
Livingston	19.5	365.0
Madison	ns	52.0
Morehouse	ns	96.0
Natchitoches	26.7	140.0
Orleans	26.2	664.0
Ouachita	32.7	474.0
Plaquemines	ns	56.0
Pointe Coupee	ns	61.0
Rapides	21.7	527.0
Red River	ns	31.0
Richland	ns	79.0
Sabine	23.2	96.0
St. Bernard	ns	28.0
St. Charles	24.0	187.0
St. Helena	ns	33.0
St. James	ns	93.0
St. John the Bap...	20.5	143.0
St. Landry	30.3	274.0
St. Martin	27.0	160.0
St. Mary	32.4	221.0
St. Tammany	17.5	812.0
Tangipahoa	24.2	327.0
Tensas	ns	32.0
Terrebonne	23.2	391.0
Union	ns	98.0
Vermilion	32.0	202.0
Vernon	20.2	164.0
Washington	29.8	238.0
Webster	18.2	126.0
West Baton Rouge	ns	89.0
West Carroll	ns	46.0
West Feliciana	ns	29.0
Winn	ns	71.0



- Parishes
- 15.9 - 19.5
 - 19.6 - 22.4
 - 22.5 - 24.2
 - 24.3 - 29.7
 - 29.8 - 32.7
 - ns
- Background Mapping on/off

Respondents who do not have any kind of health care coverage, including health insurance, prepaid plans such as HMOs, or government plans such as Medicare.

Comparison Area ▲	Rate	Samples Size
Louisiana	24.2	No Data



*ns (non-significant) Confidence intervals of the estimate exceeded the range +/- 10

Cancer Incidence per 100,000 Population >> Lung & Bronchus Cancer >> 2006

Data

Counties

- 50.3 - 60.6
- 60.7 - 68.7
- 68.8 - 76.0
- 76.1 - 81.8
- 81.9 - 317.6
- ^

Help

Guide

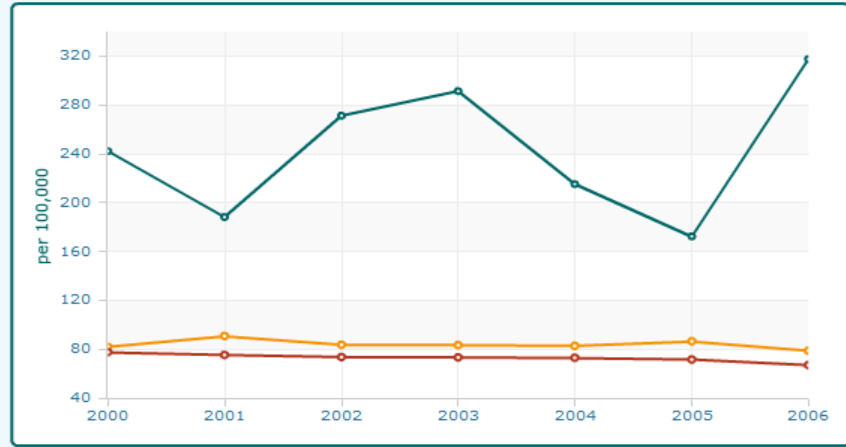
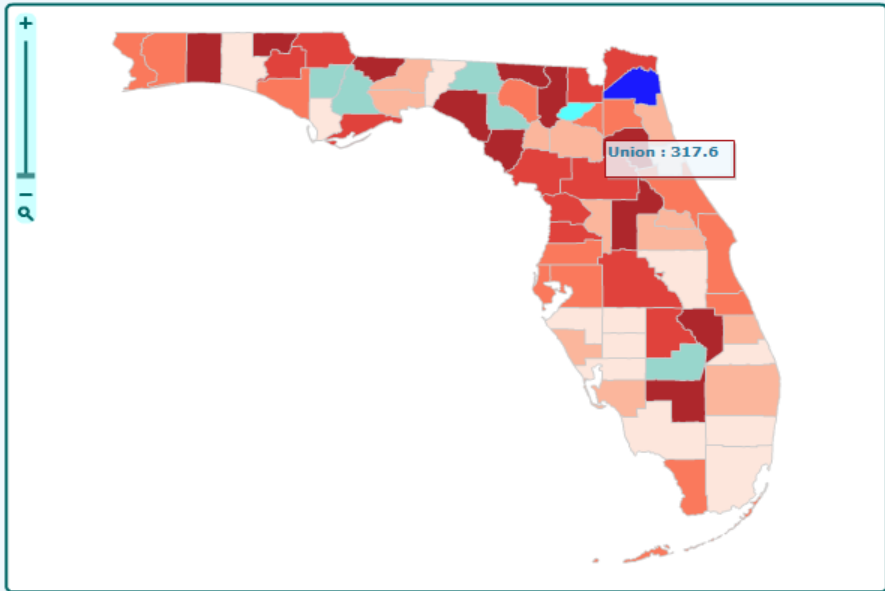
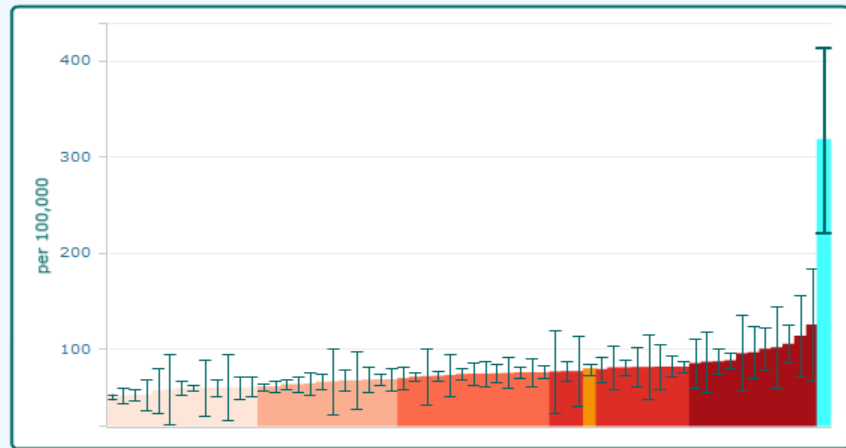
FCDS Data

FCDS

Rates

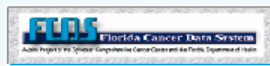
Name	Indicator
● Duval	78.7
● Escambia	74.8
● Flagler	60.2
● Franklin	76.5
● Gadsden	85.5
● Gilchrist	66.2
● Glades	^
● Gulf	60.1
● Hamilton	125.5
● Hardee	59.5
● Hendry	86.9

^ indicates there were fewer than 10 cases and rates were not calculated



[Click for more information about Union County rates](#)

[Click to link to a more accessible version of these data](#)



Tips: (1) Select multiple counties by holding down CTRL key; (2) Click right mouse button to clear selections, print, & export

Adult Behavioral Risk Factors and Health Conditions

Fair or Poor Health

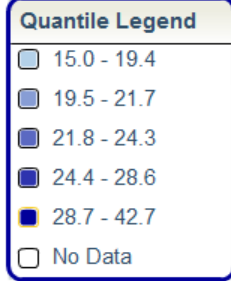
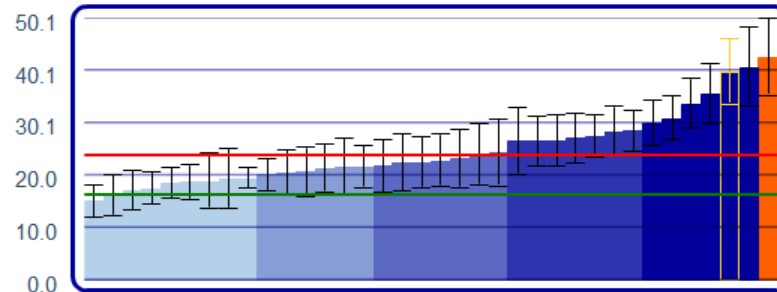
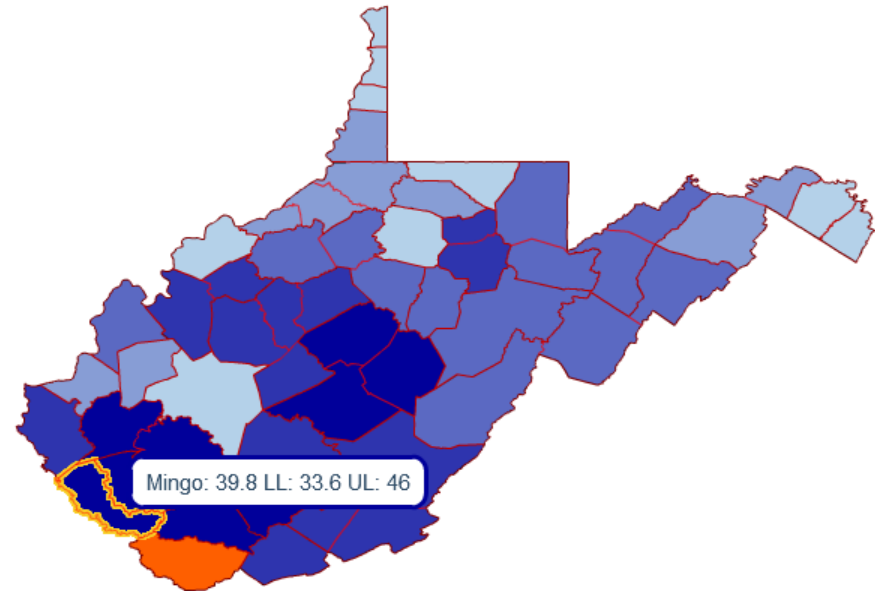
2002-2006

West Virginia Health Atlas

Health Statistics Center, WV DHHR

[See More Topics](#)
[Clear Selections](#)
[Download Data \(Excel\)](#)
[Technical Notes](#)
[Data Source](#)
[Print Preview](#)
[Print](#)

Name ▲	%	Rank	vs WV	vs US
Berkeley	17.5	33	L	h
Brooke	19.4	28	l	h
Cabell	20.1	27	l	H
Fayette	28.4	9	h	H
Hancock	18.9	30	l	h
Harrison	18.7	31	L	h
Jefferson	16.2	35	L	l
Kanawha	19.4	28	L	H
Logan	35.6	4	H	H
Marion	21.7	22	l	H
Marshall	21.6	23	l	h
Mason	23.2	17	l	H
McDowell	42.7	1	H	H
Mercer	27.5	10	h	H
Mingo	39.8	3	H	H
Monongalia	15	36	L	l
Ohio	17.2	34	L	h
Putnam	20.5	26	l	h
Raleigh	30.9	6	H	H
Randolph	24.3	15	h	H
Upshur	22.4	20	l	H
Wayne	27.1	11	h	H
Wood	18.5	32	L	h
Wyoming	40.7	2	H	H
_Barbour, Taylor	26.5	13	h	H
_Boone, Lincoln	33.7	5	H	H
_Braxton, Nicholas, Webster	30	7	H	H
_Calhoun, Clay, Gilmer, Roane	26.5	13	h	H
_Doddridge, Lewis, Ritchie	22.8	18	l	H
_Grant, Mineral	22.5	19	l	H
_Greenbrier, Summers, Monroe	28.6	8	h	H
_Hampshire, Morgan	21.4	24	l	H
_Hardy, Pendleton, Pocahontas	21.8	21	l	h
_Jackson, Wirt	26.6	12	h	H
_Pleasants, Tyler, Wetzel	20.6	25	l	h
_Preston, Tucker	24	16	h	H



Map Layers

County borders

Comparison Areas

West Virginia: 23.9

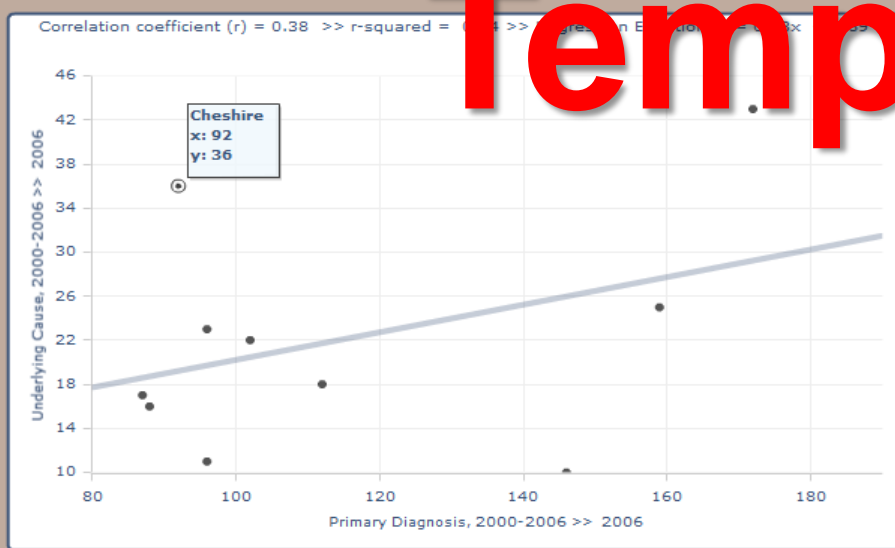
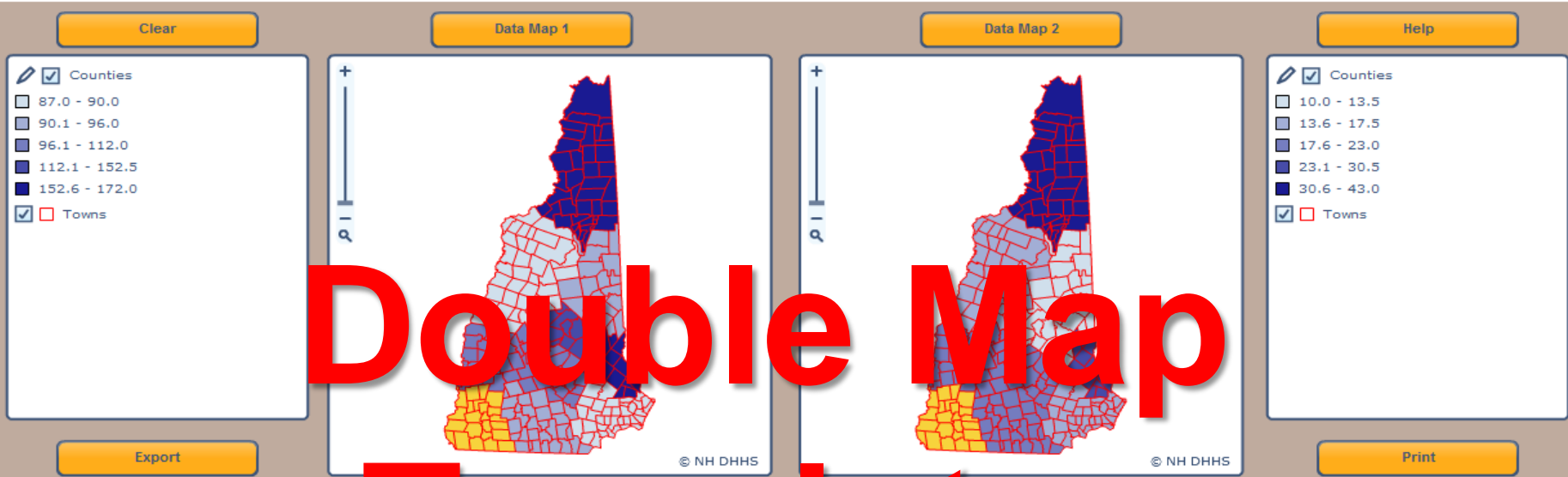
US (2004): 16.4

Alternate Legends

[Help](#)

[HSC Home](#)

See 'Technical Notes' for explanations about interpreting these data.



County	Rate 1	Count	Rate 2	Count		
Alcocks	146	102	10	8	?	📄
Carroll	96	51	11	8	?	📄
Cheshire	92	79	36	33	?	📄
Coos	172	68	43	20	?	📄
Grafton	87	85	17	17	?	📄
Hillsborough	96	399	23	92	?	📄
Merrimack	102	156	22	35	?	📄
Rockingham	88	261	16	43	?	📄
Strafford	159	196	25	30	?	📄
Sullivan	112	54	18	10	?	📄



Exploring BRFSS Risk Behaviors and Cancer Outcomes

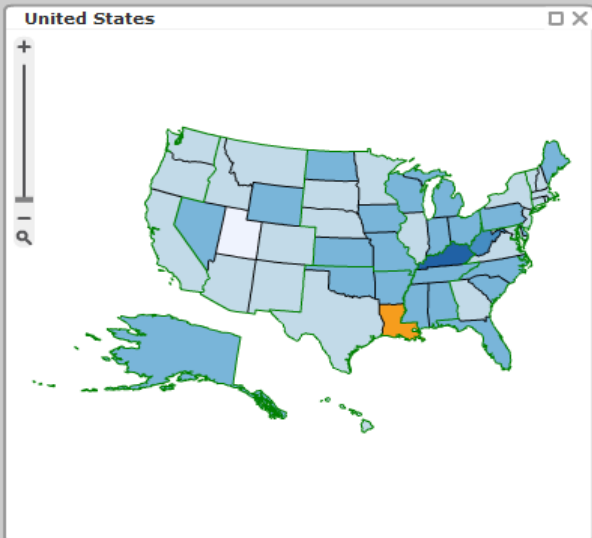
Select different data for each map to explore relationships

1: BRFSS: Tobacco Use : % Smoke everyday : 2006

Data 1

Legend 1

- States
- 7.1 - 7.1
- 7.2 - 14.9
- 15.0 - 18.9
- 19.0 - 21.3
- 21.4 - 24.3
- Divisions
- Regions



Data 1: Notes

Respondents who now smoke cigarettes every day.

Source Notes

Filter

Help

Data Table

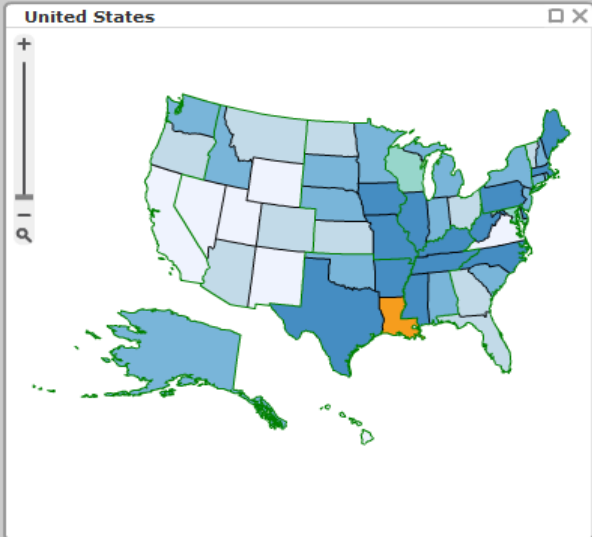
States	Rate 1	Rate 2
Louisiana	17.7	19.6
Maine	15.9	15.7
Maryland	13.0	n.a.
Massachusetts	13.0	16.1
Michigan	16.5	14.5
Minnesota	13.8	14.9
Mississippi	17.9	15.4
Missouri	18.6	16.3
Montana	13.3	13.6
Nebraska	13.8	14.9
Nevada	15.6	12.2
New Hampshire	14.3	14.2
New Jersey	12.3	15.2
New Mexico	13.8	12.5

2: Cancer Incidence Rates by Site, 2005 (CDC) : Male and Female, Kidney & Renal Pelvis : 2005

Data 2

Legend 2

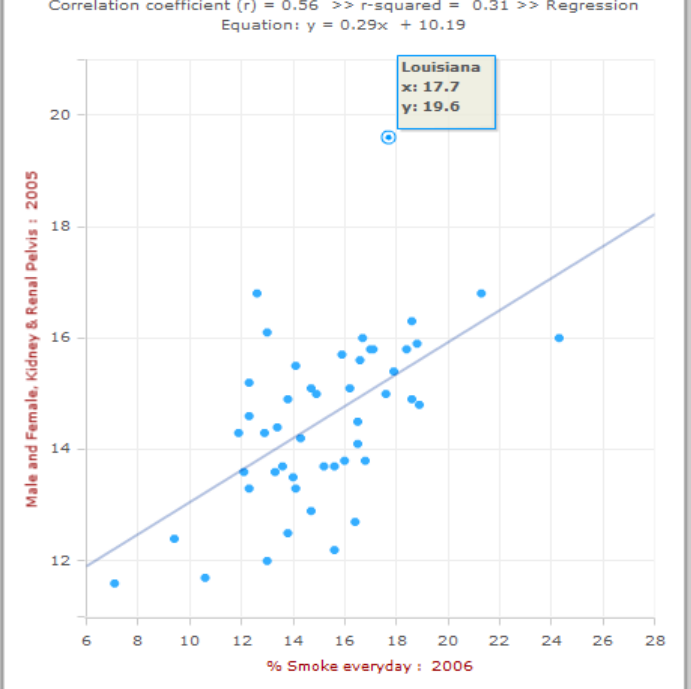
- States
- 11.6 - 12.9
- 13.0 - 13.8
- 13.9 - 15.2
- 15.3 - 16.8
- 16.9 - 19.6
- n.a.
- Divisions
- Regions



Data 2: Notes

Risk factors for kidney and renal pelvis cancer include smoking, obesity, sedentary lifestyle, occupational exposures to substances such as asbestos, cadmium, benzene, organic solvents and some herbicides, hereditary factors such as having von Hippel-Lindau disease, hereditary papillary renal cell carcinoma, Birt-Hogg-Dube syndrome, hereditary leiomyomatosis renal cell carcinoma syndrome, and hereditary renal oncocytoma. Other risk factors include family history of kidney cancer, personal history of high blood pressure, personal history of advanced renal disease, sex (males have higher risk) and race (African Americans

Scatter Plot: Rate 1 : Rate 2



Tips: (1) Select multiple counties by holding down CTRL key; (2) Click right mouse button to clear selections, print and export.

Economy >> Median Household Income (thousands of \$) >> 2003

[Tables](#)
[Help](#)
[Data](#)
[Filter](#)
 Louisiana Parishes

 20.4 - 25.6

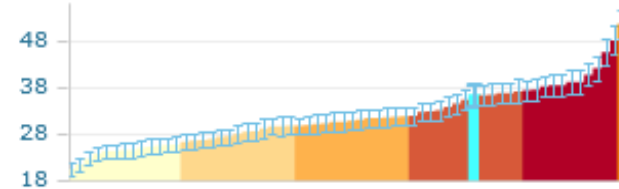
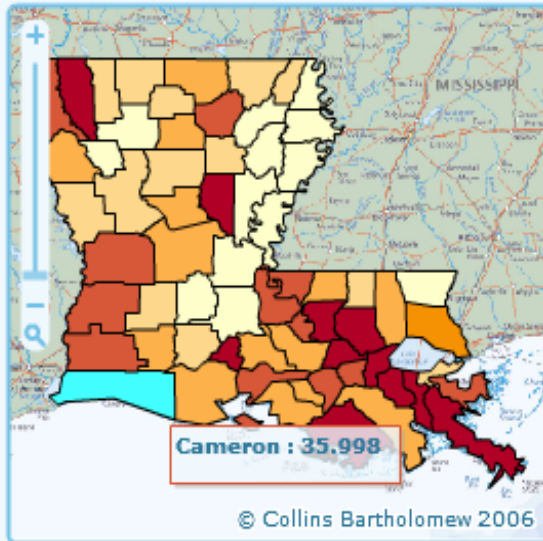
 25.7 - 29.6

 29.7 - 31.7

 31.8 - 37.0

 37.1 - 51.2

 Louisiana Regions

 Background Mapping


Economy >> Median Household Income (thousands of \$) >> 2003

[Data](#)
 Louisiana Regions

 27.6 - 28.7

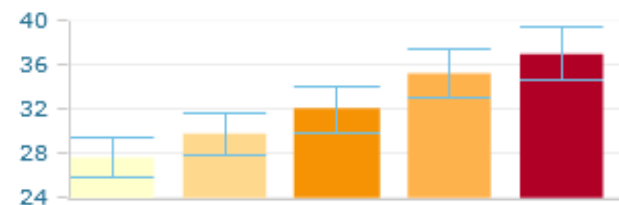
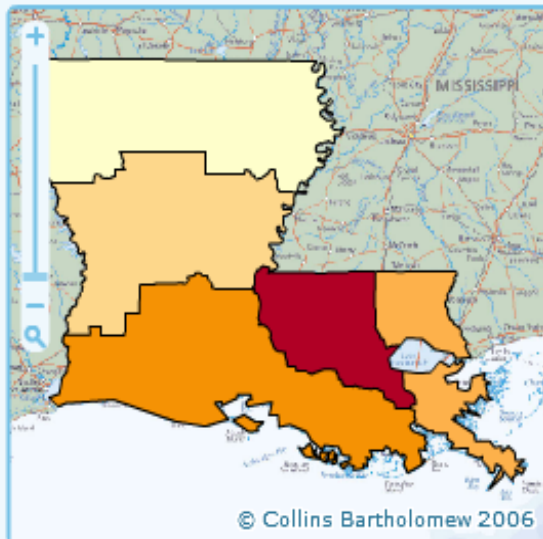
 28.8 - 30.8

 30.9 - 35.2

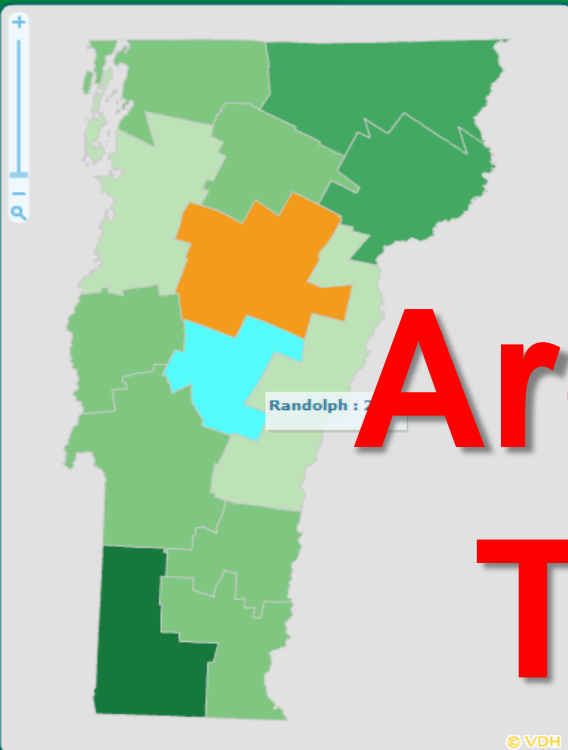
 35.3 - 36.1

 36.2 - 37.0

 Louisiana Regions

 Background Mapping


DATA Table Map Help Note Hospital Data



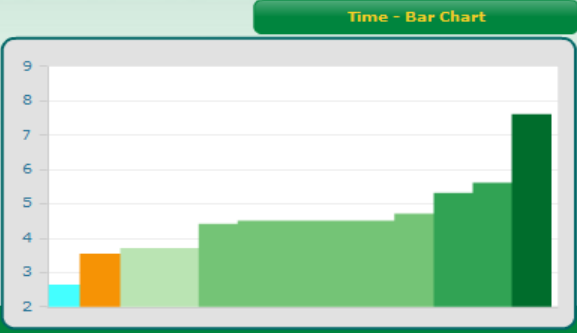
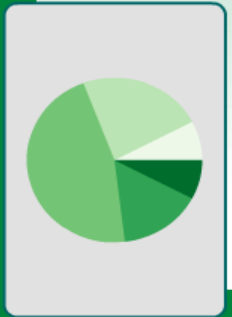
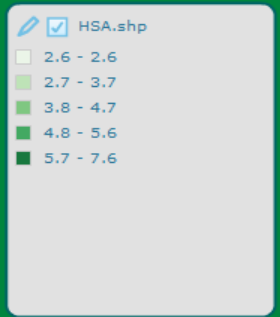
Indicator	Area	Value	0	value	100
▼ Health Conditions					
Health problem limits normal activities: 010203	Randolph	16.5			
Health problem limits normal activities: 010203	Barre	20.1			
Health problem limits normal activities: 020304	Randolph	17.1			
Health problem limits normal activities: 020304	Barre	19.4			
Health problem limits normal activities: 030405	Randolph	18			
Health problem limits normal activities: 030405	Barre	20.2			
Health problem limits normal activities: 040506	Randolph	18.6			
Health problem limits normal activities: 040506	Barre	20.2			
Health problem limits normal activities: 050607	Randolph	20.8			
Health problem limits normal activities: 050607	Barre	22.3			
Health problem limits normal activities: 060708	Randolph	22.1			
Health problem limits normal activities: 060708	Barre	20.1			
Special equipment needed for health problem: 010203	Randolph	4.7			
Special equipment needed for health problem: 010203	Barre	4.7			
Special equipment needed for health problem: 020304	Randolph	5.4			
Special equipment needed for health problem: 020304	Barre	5			
Special equipment needed for health problem: 030405	Randolph	6			
Special equipment needed for health problem: 030405	Barre	5.2			
Special equipment needed for health problem: 050607	Randolph	5.3			
Special equipment needed for health problem: 050607	Barre	5.2			
Special equipment needed for health problem: 060708	Randolph	5.1			
Special equipment needed for health problem: 060708	Barre	5.1			
Diabetes: Ever Diagnosed: 989900	Randolph	2.6			
Diabetes: Ever Diagnosed: 989900	Barre	3.5			

Area Profile Template

Press Ctrl & click to add areas.

Click to Compare	Indicator
Vermont	4.4

Click - then + to interlace comparison areas



- County
- District
- Hospital





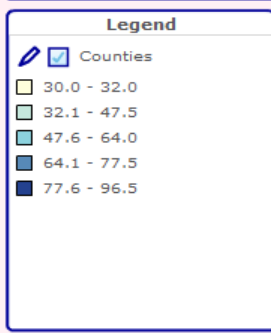
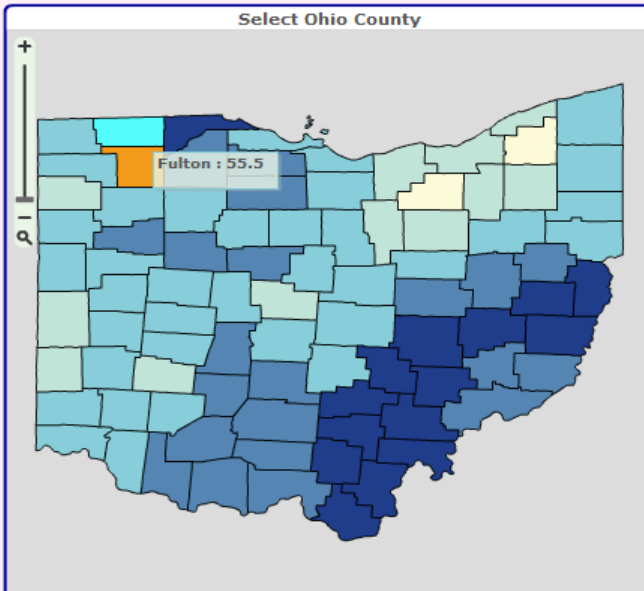
Negative Health Factors : TOTAL POINTS



Table / Map

Notes

Help

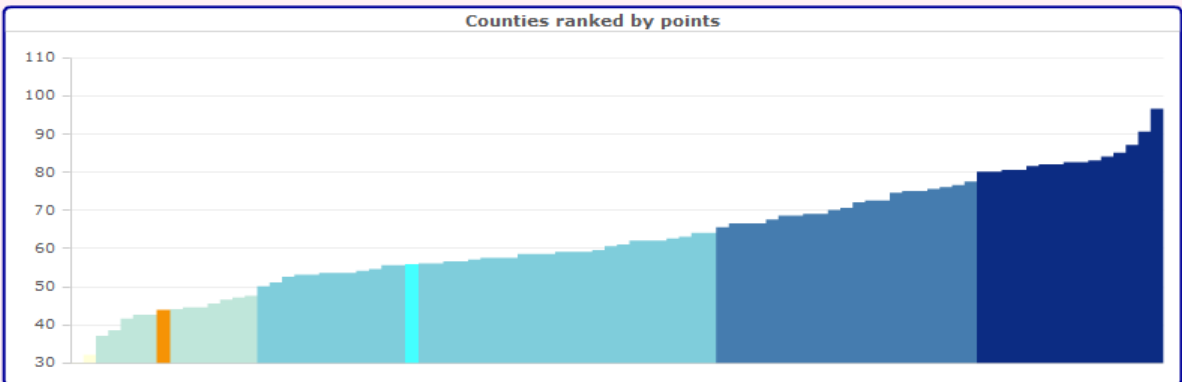


(1) Please note that the 88 counties are ranked by the total points out of 100 possible points. The higher the number of points the greater the need for intervention.

Click on Factor in this table to refresh statewide data in maps and charts

Factor	County	Points	Points Scale
0.0			
12.0			
▼ Negative Health Factors			
TOTAL POINTS	Fulton	55.5	
TOTAL POINTS	Henry	43.5	
Heart Disease Mortality	Fulton	5.0	
Heart Disease Mortality	Henry	2.5	
Preventable Cancer Mortality	Fulton	3.0	
Preventable Cancer Mortality	Henry	3.5	
Chronic Lower Respiratory Disease [CLRD] Mortality	Fulton	2.5	
Chronic Lower Respiratory Disease [CLRD] Mortality	Henry	2.5	
Stroke Mortality	Fulton	5.0	
Stroke Mortality	Henry	5.0	
Diabetes Mortality	Fulton	10.0	
Diabetes Mortality	Henry	2.5	
Low Fruit and Vegetable Consumption	Fulton	10.0	
Low Fruit and Vegetable Consumption	Henry	10.0	
Cigarette Smoking	Fulton	5.0	
Cigarette Smoking	Henry	2.5	
Low Physical Activity	Fulton	5.0	
Low Physical Activity	Henry	7.5	
Obesity	Fulton	7.5	
Obesity	Henry	5.0	
Low Socioeconomic Status	Fulton	2.5	
Low Socioeconomic Status	Henry	2.5	

Lowest Concern (L) ● Highest Concern (H) ●



Source: Office of Healthy Ohio, Ohio Department of Health, Updated November 2, 2009

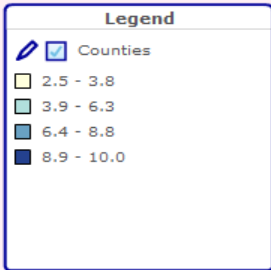
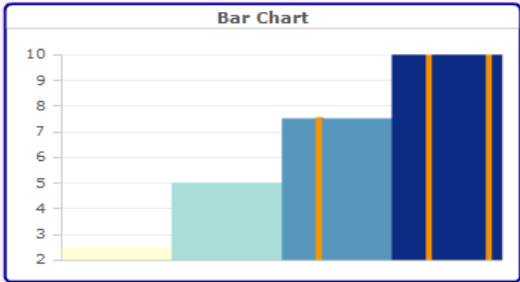
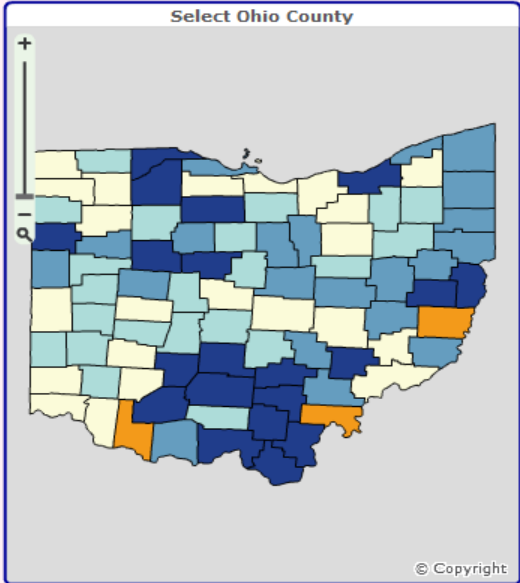


Data

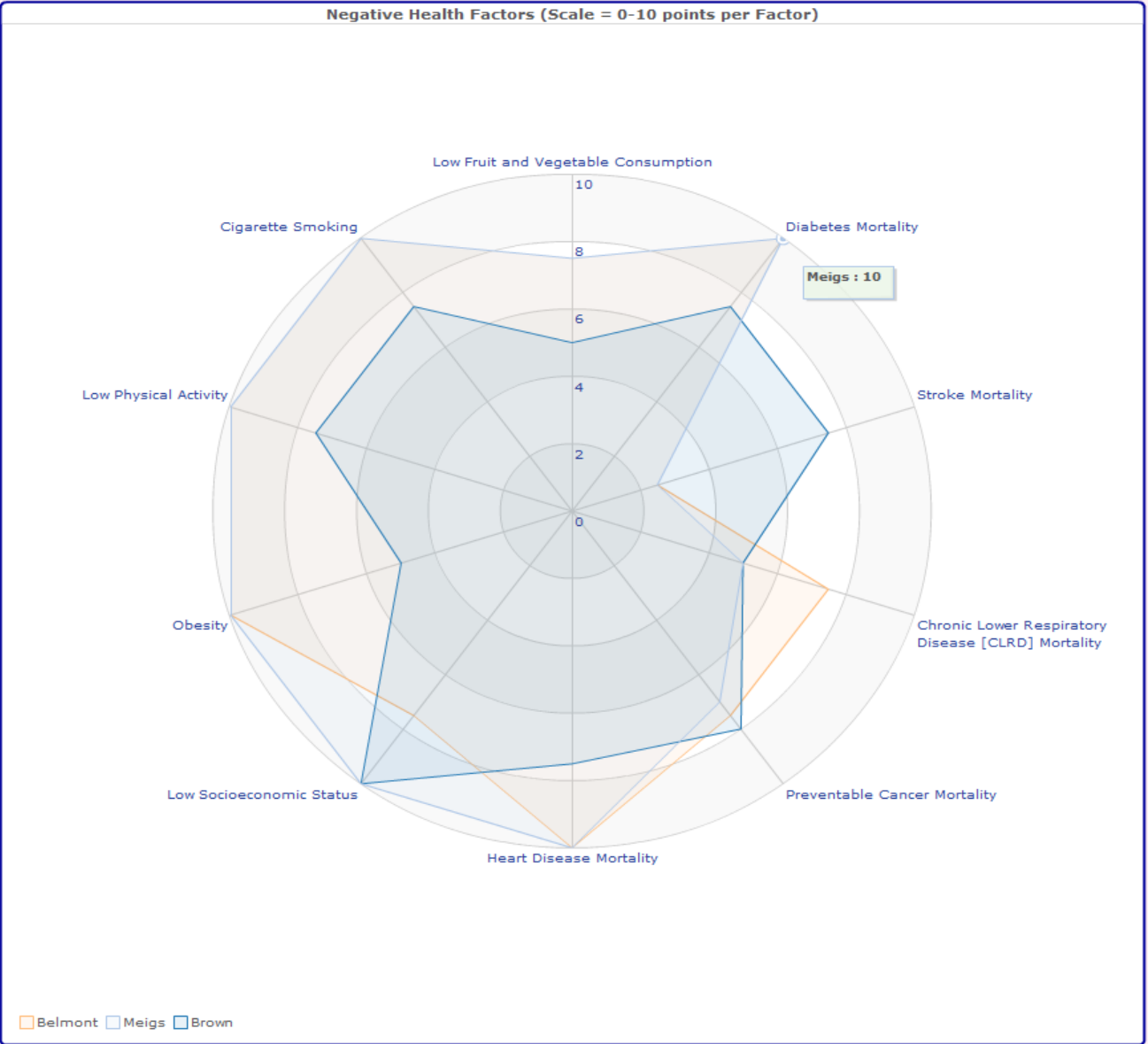
Time

Table

Help

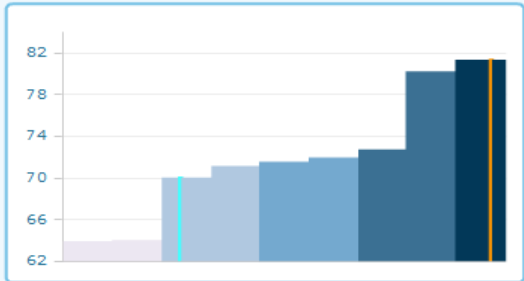
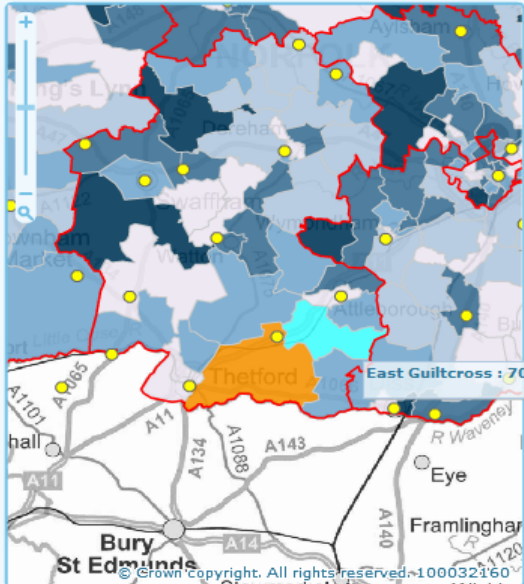


(1) Please note that the 88 counties are ranked by the total points out of 100 possible points. The higher the number of points the greater the need for intervention.



Data Filter

Time Tables Help



Wards

- 63.9 - 64.0
- 64.1 - 71.1
- 71.2 - 71.9
- 72.0 - 80.2
- 80.3 - 81.3

Towns

Local Authorities

Background Mapping



Indicator	Area	Value	Target	Baseli...	Trend	Performance
▼ Education (target for 2007)						
Key stage 2: % pupils obtaining level 4+ in Maths: 2006	East Guiltc...	64.0	75	61	↓	50
Key stage 2: % pupils obtaining level 4+ in Maths: 2006	Harling and...	81.3	90	80	↑	50
Key stage 2: % pupils obtaining level 4+ in English: 20...	East Guiltc...	72.3	74	71	↑	50
Key stage 2: % pupils obtaining level 4+ in English: 20...	Harling and...	84.2	88	85	↑	50
Key stage 4: % pupils obtaining 5+ GCSE grade A* - ...	East Guiltc...	49.6	61	46	↓	30
Key stage 4: % pupils obtaining 5+ GCSE grade A* - ...	Harling and...	67.0	71	67	↑	30
Year 11 school leavers: % who are entering some form ...	East Guiltc...	82.1	86	81	→	50
Year 11 school leavers: % who are entering some form ...	Harling and...	90.3	96	92	↑	50
▼ Employment						
% incapacity claimants helped into a sustained job of 1...	East Guiltc...	19.5	16	13	↑	0
% incapacity claimants helped into a sustained job of 1...	Harling and...	21.1	18	16	↑	0
% lone parents helped into a sustained job of 16hrs+ a ...	East Guiltc...	12.4	21	15	→	0
% lone parents helped into a sustained job of 16hrs+ a ...	Harling and...	11.4	16	14	→	0
% other workless people helped into a sustained job of ...	East Guiltc...	9.7	15	10	↓	0
% other workless people helped into a sustained job of ...	Harling and...	20.2	22	18	↑	0
% people in receipt of an incapacity benefit, lone paren...	East Guiltc...	20.7	25	19	↑	0
% people in receipt of an incapacity benefit, lone paren...	Harling and...	11.1	17	10	→	0
% people claiming JSA: 2006	East Guiltc...	27.8	30	25	↓	0
% people claiming JSA: 2006	Harling and...	16.8	22	15	→	0
% unemployed: 2006	East Guiltc...	17.9	17	16	→	0
% unemployed: 2006	Harling and...	16.5	18	14	→	0
▼ Health						
% of 5 year olds who are obese: 2006	East Guiltc...	1.5	1	2	→	0
% of 5 year olds who are obese: 2006	Harling and...	5.9	3	4	↓	0
% of 11 year olds who are obese: 2006	East Guiltc...	2.6	1	1	↑	0
% of 11 year olds who are obese: 2006	Harling and...	10.4	6	6	↓	0
Infant Mortality rates (per 1000 live births): 2006	East Guiltc...	8.9	2	2	→	0
Infant Mortality rates (per 1000 live births): 2006	Harling and...	8.3	1	1	→	0
Male life expectancy at birth: 2006	East Guiltc...	79	84	81	→	65
Male life expectancy at birth: 2006	Harling and...	77	83	81	→	65
Female life expectancy at birth: 2006	East Guiltc...	78	84	80	→	65
Female life expectancy at birth: 2006	Harling and...	76	81	77	→	65
Teenage pregnancies per 1,000 females aged 15-17: ...	East Guiltc...	46.46	39	55	→	0
Teenage pregnancies per 1,000 females aged 15-17: ...	Harling and...	77.04	8	25	↓	0
▼ Income (target for 2008)						
Total households: % with an income under £10K: 2006	East Guiltc...	15.6	9	12	↓	0
Total households: % with an income under £10K: 2006	Harling and...	12.9	7	11	→	0

Poor ↓ Moderately poor ↓ No change → Moderately good ↑ Good ↑ Good ● Acceptable ● Poor ●

Target |

Poor □ Medium □ Good □

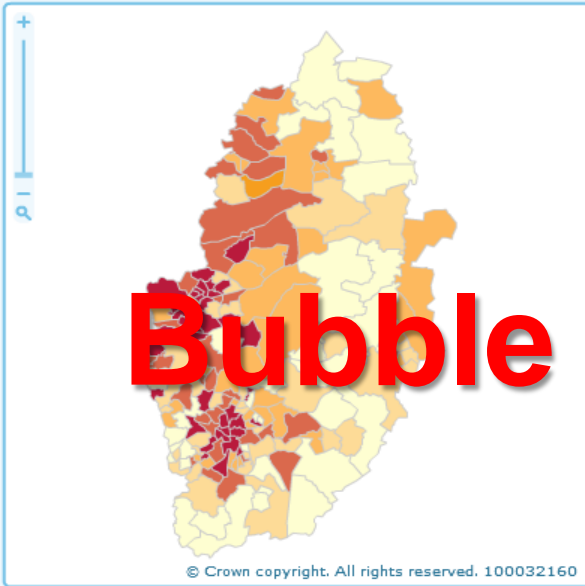
← +

Table

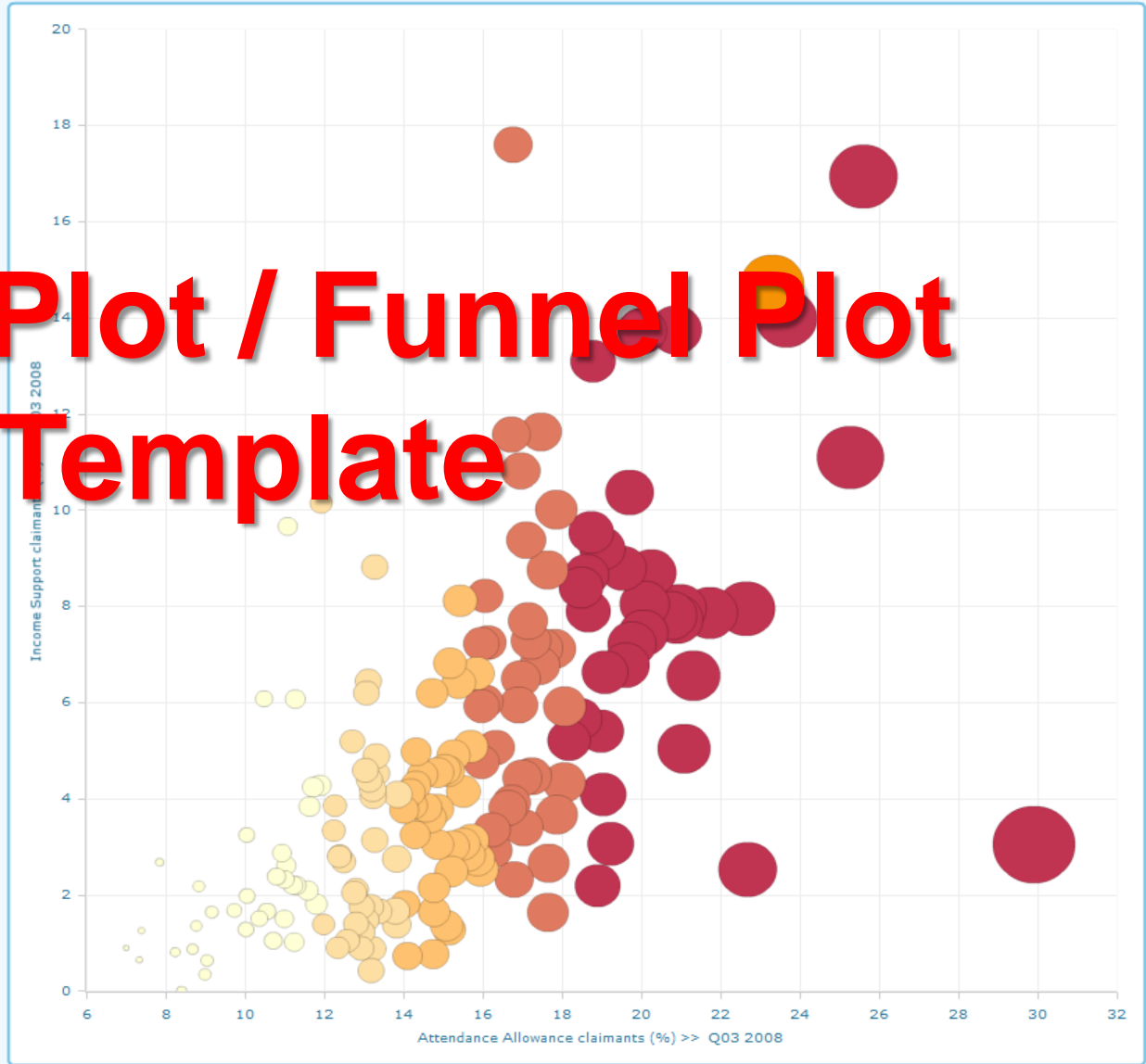
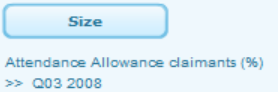
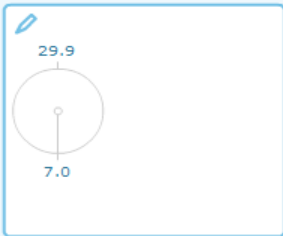
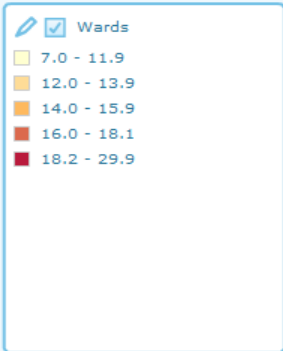
Y-axis

Filter

Help



Bubble Plot / Funnel Plot Template

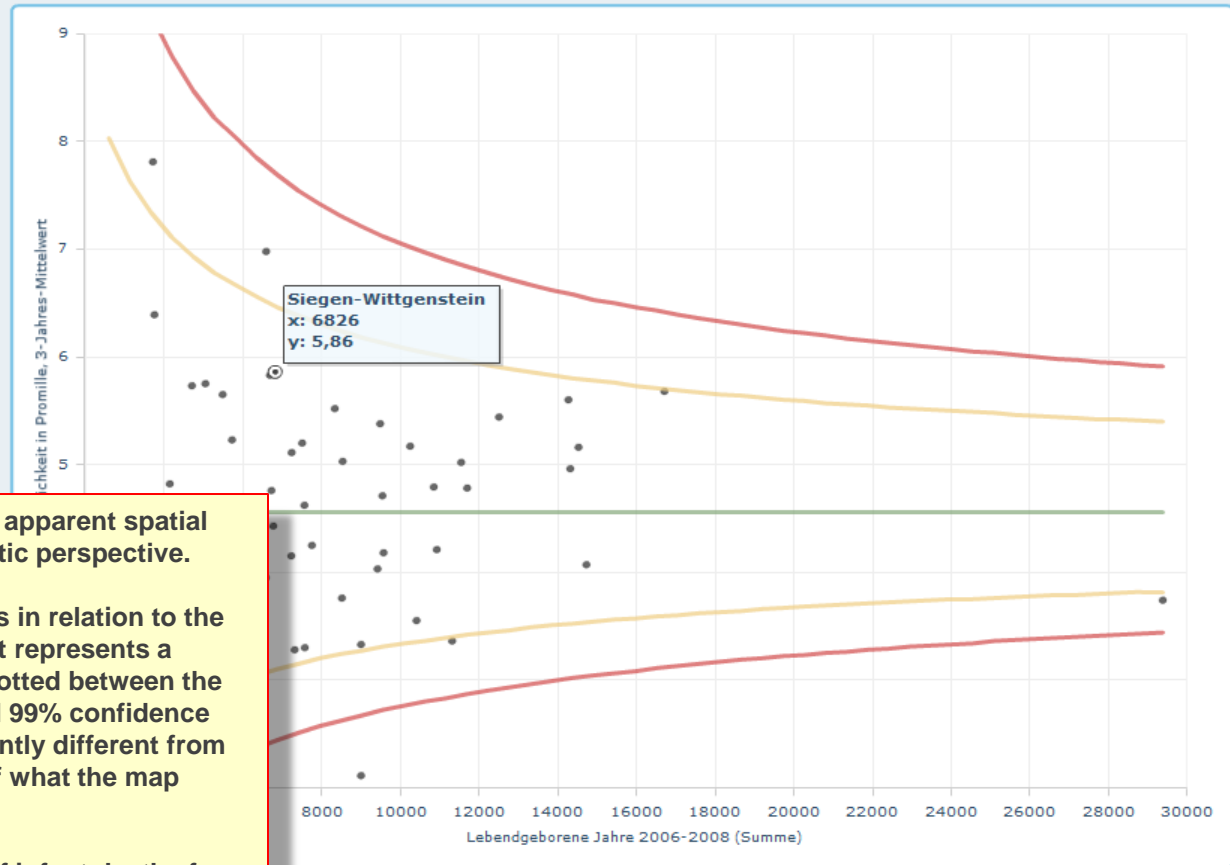
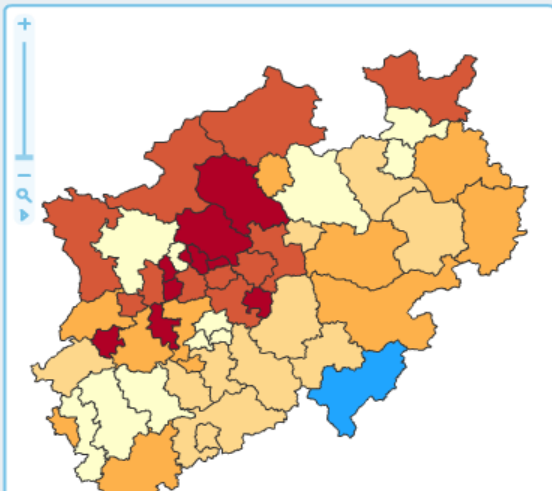


X-axis



DATEN Rückgängig Hilfe Grafik exportieren

Fälle je 1000 Lebendgeborene

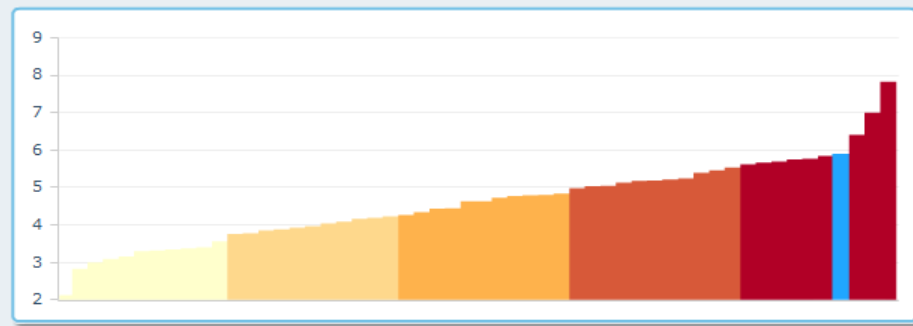
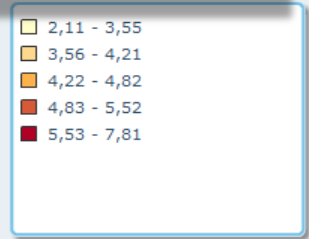


This funnel plot is a useful way of putting apparent spatial patterns seen on a map into a more realistic perspective.

The graph shows the infant mortality rates in relation to the number of births in each district. Each dot represents a district. In statistical terms, all districts plotted between the green or blue lines (respectively 95% and 99% confidence limits) should not be considered significantly different from the regional mean (red line), regardless of what the map suggests visually.

District variations from the average rate of infant deaths for the region may be purely accidental or unreliable due to the small number of cases.

Siegen-Wittgenstein	5,86	49
Soest	4,25	33
Solingen	2,98	12
Steinfurt	5,02	58
Unna	5,38	51
Viersen	4,43	30
Warendorf	3,28	24
Wesel	3,55	37
Wuppertal	2,11	19





A Few Health Organisations which use InstantAtlas:

- World Health Organization, Geneva HQ
- World Health Organization: Regional Offices for Europe and Africa
- Pan-American Health Organization, Washington D.C.
- Centers for Disease Control and Prevention (CDC): CDC-CAP; Saudi Project
- Federal Statistics Office – Health Reporting, Germany
- Public Health Agency Canada
- German Association of Epidemiological Cancer Registries (GEKID)
- University of Texas School of Public Health, Houston, TX
- East Carolina University, Center for Health Services Research
- 20 US State Departments of Health
Alabama, Alaska, Arizona, California, Florida, Hawaii, Kansas, Louisiana, Mississippi, Montana, Massachusetts*, Nebraska, New Hampshire, New York, Ohio, Vermont, Virginia, Washington, West Virginia and Wyoming (* as of May 2010)*
- 7 US State Cancer Registries: AL, AK, FL, MO, VA, WA, WV
- Ministries of Health: New Zealand, Argentina, Chile, Guatemala, Peru
- National Institutes for Public Health, Netherlands and Finland
- Public Health Information Unit, University of Adelaide, Australia
- Novartis Vaccines and Diagnostics, Inc., Cambridge, Mass.
- A quarter of UK Primary Care Trusts
- 8 of 9 English Public Health Observatories, UK
- 5 of 9 English Regional Health Protection Agencies, UK





InstantAtlas Features to address accessibility



- Access to XML data in xslt readable table
- CSS Stylesheets / Quality of Text and Graphics
- Selectable Legend Colour-swatches
- Alternative Navigation options
- Zooming capability (Flash 9+)
- Addition of buttons to access functions with ease
- Context-sensitive Metatext
- Data and report access using parameters





Good website practices

InstantAtlas is a software toolset which properly handled by the publisher, can be largely configured to address the needs of many physically-challenged user communities.

Reports are highly configurable.

Like any graphic presentation, it is incumbent on the web-master to decide what alternative data presentation exists around each InstantAtlas deployment.





Access to XML data

The numeric and categoric data behind published InstantAtlas reports are in an open .xml format, facilitating interoperability with other solutions.

The data can be accessed in readable html table form with a URL link replacing the “atlas.html” file in the address with “data.xml”.

Polygon Map	Attendance Allowance claimants (%) (2008)	Disability Living Allowance claimants (%) (2002)	Disability Living Allowance claimants (%) (2003)	Disability Living Allowance claimants (%) (2004)	Disability Living Allowance claimants (%) (2005)	Disability Living Allowance claimants (%) (2006)	Disability Living Allowance claimants (%) (2007)	Disability Living Allowance claimants (%) (2008)	Incapacity Benefit claimants (%) (1999)	Incapacity Benefit claimants (%) (2000)	Incapacity Benefit claimants (%) (2001)	Incapacity Benefit claimants (%) (2002)	Incapacity Benefit claimants (%) (2003)	Incapacity Benefit claimants (%) (2004)	Incapacity Benefit claimants (%) (2005)
Arboretum	19.02	6.01	5.88	5.65	5.65	5.85	5.65	5.65	10.88	10.75	11.82	11.25	10.83	10.15	9.1
Aspley	16.76	6.50	6.75	6.76	6.95	7.15	7.21	7.45	11.30	12.29	13.32	12.87	12.55	12.44	12.4
Basford	17.09	5.95	6.08	6.52	6.42	6.74	6.94	7.11	9.02	9.13	9.60	9.63	9.40	9.65	9.2
Berridge	21.73	5.08	5.08	5.07	5.05	5.03	5.14	5.34	8.95	9.48	9.31	8.91	8.42	8.14	7.4
Bestwood	16.72	6.97	7.24	7.16	7.26	7.04	6.85	7.25	11.33	11.45	12.07	11.73	11.67	11.63	11.1
Bilborough	23.66	10.11	10.47	10.81	10.90	10.98	11.52	11.73	14.47	14.89	14.77	14.97	15.08	15.14	14.6
Bridge	19.53	6.81	7.02	6.81	6.63	6.44	6.77	6.77	11.41	11.78	12.76	12.29	11.92	10.87	10.4
Bulwell	20.01	7.78	8.05	8.34	8.57	8.89	8.77	8.99	13.18	13.18	13.92	13.62	13.21	12.87	13.2
Bulwell Ercost	13.11	5.76	5.89	6.01	5.98	5.98	6.39	6.61	9.62	9.57	10.07	9.68	9.75	9.40	8.6
Clifton North	18.17	5.26	5.48	5.31	5.42	5.45	5.66	5.70	7.53	7.40	7.73	8.12	7.96	7.88	7.4
Clifton South	17.63	6.55	6.51	6.54	6.69	6.69	6.94	7.05	9.39	9.39	9.79	9.93	10.08	9.89	9.2
Dales	17.85	6.83	6.86	6.89	6.92	7.13	7.18	7.28	11.79	12.20	13.09	13.03	11.85	11.26	11.1
Dunkirk and Lenton	17.03	2.48	2.44	2.35	2.23	2.26	2.37	2.51	4.63	4.57	4.69	4.24	4.16	4.06	3.8
Leen Valley	17.43	6.15	6.37	6.35	6.54	6.44	6.55	6.75	8.76	9.04	9.42	10.02	9.34	9.25	9.0
Mausierley	18.61	5.68	6.07	6.05	6.05	5.95	6.09	6.16	9.42	9.99	10.41	9.97	9.86	9.32	9.2
Radford and Park	21.08	3.90	3.62	3.59	3.45	3.33	3.29	3.45	7.28	7.61	7.37	6.87	6.28	5.90	5.1
St Ann's	18.78	8.88	8.79	8.91	8.93	8.54	8.52	8.58	16.56	17.51	18.82	17.52	17.30	16.72	15.2
Sherwood	19.76	4.90	5.30	5.52	5.60	5.53	5.72	5.93	7.30	7.30	7.56	7.91	8.06	8.11	7.6
Wollaton East and Lenton Abbey	19.23	3.19	3.07	3.07	3.27	3.37	3.30	3.39	3.85	3.78	3.92	3.68	3.45	2.97	3.0
Wollaton West	13.82	2.87	3.03	3.14	3.17	3.38	3.49	3.63	4.74	4.68	4.80	4.69	4.63	4.54	4.4
Hucknall Central	16.33	4.95	5.19	5.40	5.67	5.74	5.98	6.34	8.65	8.77	9.03	8.82	8.85	8.30	8.1
Hucknall East	16.06	5.75	6.16	6.26	6.32	6.17	6.27	6.64	10.52	10.26	10.78	11.34	11.44	11.55	10.4
Hucknall West	14.17	3.93	4.21	4.38	4.63	4.66	4.82	5.04	6.87	7.45	7.57	7.67	7.18	7.46	7.2

A small link to this file can be added on the same web-page page as the atlas itself. The xslt used to render this xml can be customised if required.





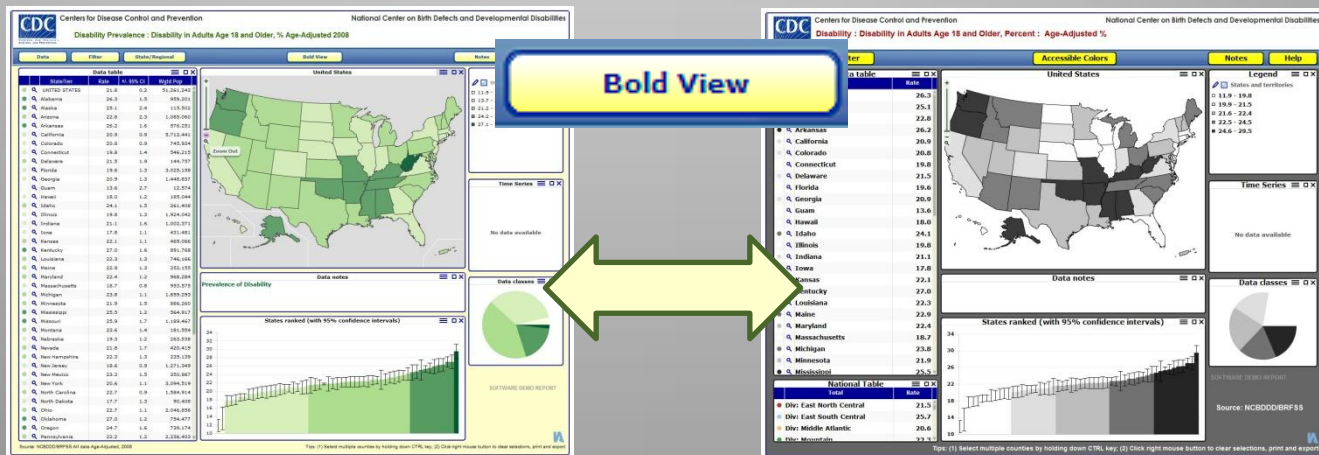
CSS Stylesheets

Quality of Text and Graphics

Object line, font size and colour properties can be freely reconfigured from their initial default values using the InstantAtlas Style Editor.

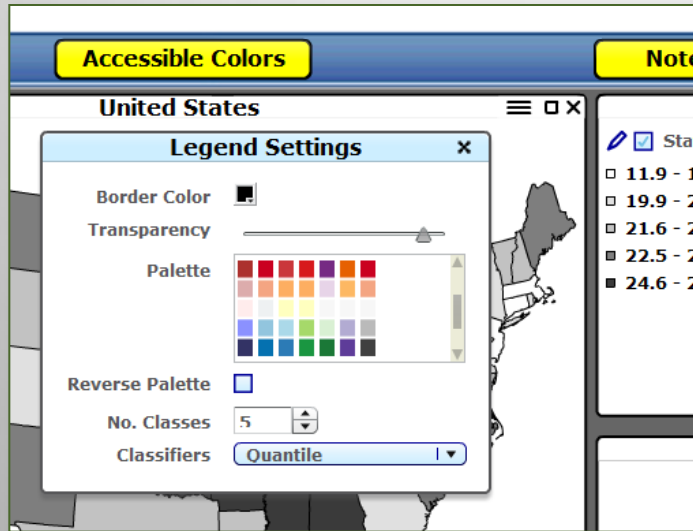
This CSS file can also be edited in any text editor.

To meet needs specific needs of users with specific sight impairments, the same report can be loaded with different pre-published config.xml and default.css combinations using URL parameters.





Selectable Legend Colour-swatches



Colour palettes for the representation of map polygons, lines and points as well as lines and bars in each of the charts can be presented to enable the end-user to switch legend preferences.

The background colours of the dashboard can also be selected to provide good visual contrast. Many of the palettes offered are based on research for Color Brewer (Penn State University) with their “colorblind safe” designations.





Navigation Alternatives

InstantAtlas is designed for use with a mouse to navigate and click on different parts of the dashboard. The same interaction can be achieved on the keyboard by enabling mousekeys.



Generic tab, space bar, control and shift key combinations offered in Adobe Flash are partially supported for moving between objects and panning the map. These vary with keyboard configurations.

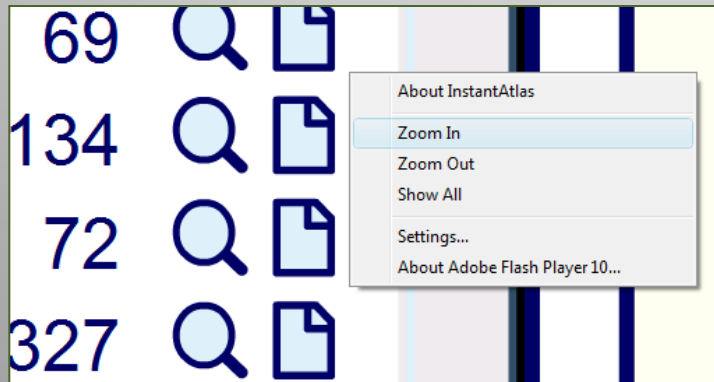




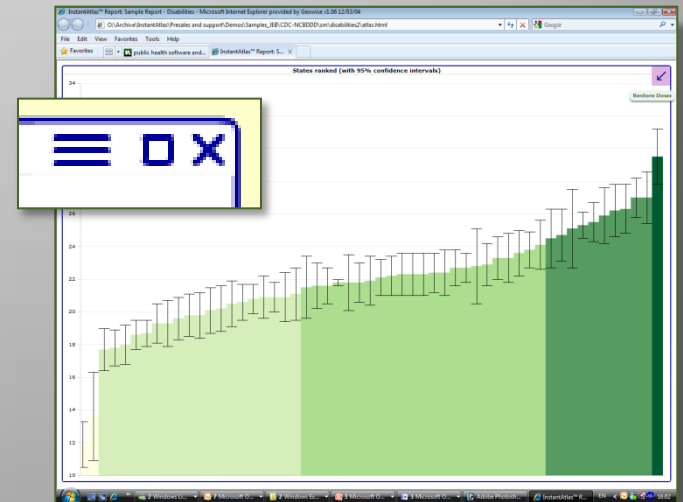
Zooming Capability

For a close-up (larger view) of the display, right mouse-clicks offer access to the standard Flash resizing functionality. (supported in IA Version 5 – currently not in 6). By default InstantAtlas dynamic report components will scale as a browser window is re-sized.

Individual components can be maximized from icon.



Adobe zoom +/- on right mouse click



Additional zooming capability is under consideration for next release



InstantAtlas Server

- ❑ Building on InstantAtlas Desktop software
- ❑ Based around a central datastore specifically for statistics, multiple ways to view statistics
- ❑ Can pull data dynamically from other systems
- ❑ Modular design which scales to organizations data sharing and dissemination needs
- ❑ Quick deployment; centrally managed through admin console
- ❑ A rational stable alternative to self-developed data observatory - especially when budgets are curtailed



InstantAtlas Server

In essence, InstantAtlas Server is a data observatory “out of the box”

Administration Console:
Web based tools to manage & devolve admin tasks

Create dynamic reports offline using IA Desktop & load them through the Admin Console

Load data using familiar MS Office tools

IA Server data store

Multiple modules are available so you can tailor the solution for your needs

Control access to outputs

Multiple output channels in different ways to

ChiMat
Child and Maternal Health Observatory

Atlas Home | ChildMat Home | About Us | Tools and Data | Knowledge Hub | Members Area

Menu

- ChiMat Data atlas
- Maps and Data
 - About
 - FAQ
 - Data Selector
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- Child Health Profiles
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 - Quick Guide
 - Child Health Profiles
 - Infant Mortality Profiles
 - Healthy Schools Profiles
 - Needs Assessment
 - About
 - Needs Assessment Modules
 - Latest Updates
 - Help
 - Feedback

Welcome to ChiMat Data Atlas

Welcome to the ChiMat Data Atlas which brings together ChiMat's data tools into a central hub for easy access to data, profiles and reports on children, young people's and maternal health. The Data Atlas is designed to help you find and use the information and intelligence you need to improve decision making in your work. It's regularly updated as new data is released.

MAPS AND DATA
An interactive atlas of maps and data provides access to PCT/Local Authority child and maternal health indicators and statistics over time, with regional and national comparator data. New information continues to be added.

CUSTOM MAPS AND DATA
NEW
The new Advanced Data Selector enables you to create custom atlases (and tables or charts) using LAS/PCTs and indicators of your choice. You can now select and compare indicators from any theme.

Latest updates...

- 25 February 2010 Lower super output area maps
- 18 February 2010 Latest breastfeeding data
- 17 February 2010 Ethnic population data
- 17 February 2010 National Indicators supported by the Tebbus Survey
- 17 February 2010 Social care staff data
- 16 February 2010 Free school meals data

IA Server data store

Profiles:

Area-based profile reports with text, table, graph, map and image "widgets".

Main Theme Overview - Health

Selection: Nottinghamshire Geo-type: County

	Nottinghamshire	East Midlands	England
Hospital admissions due to alcohol specific conditions for persons under 18 years (Directly standardised rate per 100,000 population) (2005-2007)	273 (56)	15	72

Source: North West Public Health Authority (NWPHO) - Alcohol profile

The table below shows deaths attributable to alcohol for males and females.

	Nottinghamshire	East Midlands	England
Alcohol-attributable mortality, females (Directly standardised rate per 100,000 population) (2007)	15	15	15
Alcohol-attributable mortality, males (Directly standardised rate per 100,000 population) (2007)	141 (32)	34	36

Source: North West Public Health Authority (NWPHO) - Alcohol profile

The table and chart below shows data on the proportion of people with high levels of alcohol consumption. 'Hazardous drinking' refers to the consumption of between 22 and 50 units of alcohol per week for males, and between 15 and 35 units of alcohol per week for females. 'Harmful drinking' refers to the consumption of more than 50 units of alcohol per week for males, and more than 35 units of alcohol per week for females.

	Nottinghamshire	East Midlands	England
Harmful drinking levels (modelled estimate) (%) (2005)	N/A (4.62)	4.62	5.03
Hazardous drinking levels (modelled estimate) (%) (2005)	N/A (19.37)	18.9	20.1

Source: North West Public Health Authority (NWPHO) - Alcohol profile

Chart: People with high levels of alcohol consumption:

Region	Harmful drinking levels (modelled estimate) (%) 2005	Hazardous drinking levels (modelled estimate) (%) 2005
Nottinghamshire, 2005	4.62	19.37
East Midlands, 2005	4.62	18.9
England, 2005	5.03	20.1

Chart: Hospital admissions for alcohol related harm:

The chart below shows year-on-year percentage change in the rate of alcohol related admissions per 100,000 population. Figures are obtained from Hospital Episode Statistics.



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Survey Reporting
Local Info Systems
Community Info Systems
Performance Reporting
Public Safety

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- Quick and Easy to Implement
- Low cost compared to other solutions

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Download a FREE trial of InstantAtlas
www.instantatlas.com





Pricing

Typical Breakdown (Prices as at April 2009 – subject to change)

Single seat License:	\$ US
Publisher	1225
Designer & Style Editor	1500
Templates	1060 each
Data Manager	Free (Access version: \$600)

Annual Maintenance	15% of License
Annual Support	10% of License

Typical cost	\$3785 – 5905
	License
	946 - 1476
	Maintenance & support (optional)
Total	\$4731– 7381





***Thank you
for your attention!***

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