

Esri Federal GIS Conference

February 22–24, 2012 | Washington, D.C.

esri.com/fedcon



ArcGIS for National Government

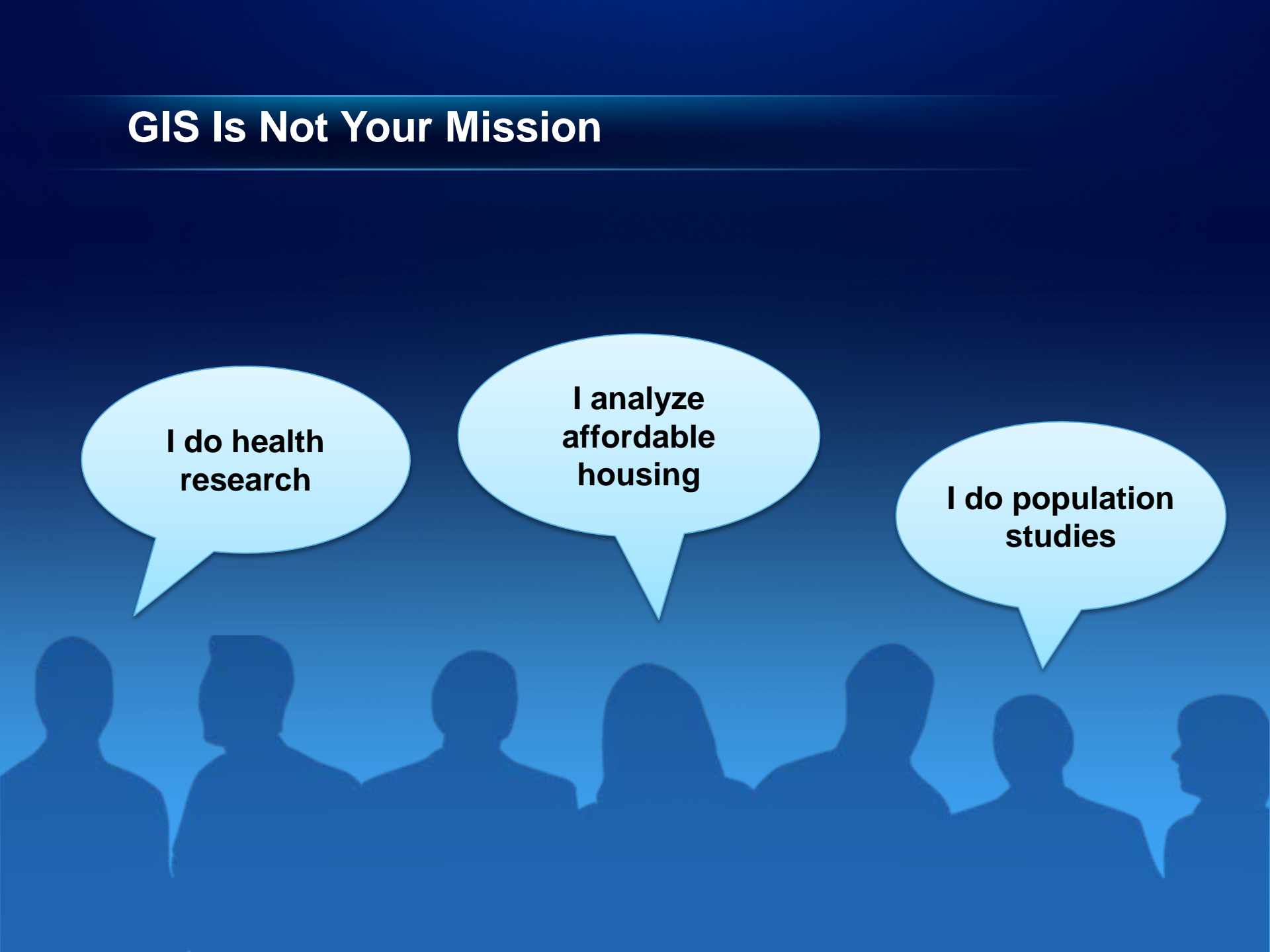
ArcGIS for Demographics & Statistics

ArcGIS for Housing

ArcGIS for Health



GIS Is Not Your Mission



**I do health
research**

**I analyze
affordable
housing**

**I do population
studies**

ArcGIS Resource Center

The screenshot displays the ArcGIS Resource Center website. At the top, there is a navigation bar with the ArcGIS Resource Center logo on the left and links for Communities, Library, Blog, Forums, and Videos in the center. On the right side of the navigation bar, there are links for 'ArcGIS' and 'Sign in', and a search box labeled 'Search the ArcGIS Resource Center'. Below the navigation bar, the main heading is 'Communities'. The content is organized into two main sections: 'User Communities' and 'Technical Communities'. Each section contains a grid of community cards, each with a title and a brief description. The 'User Communities' section includes: Community Maps (authoritative maps), Defense & Intelligence (military operations), Electric & Gas (utility GIS), Hydro (water resource management), Local Government (land records), National Government (national activities), Public Safety (police, fire, EMS), and Water Utilities (water, sewer, stormwater). The 'Technical Communities' section includes: 3D GIS (geodata analysis), Analysis & Geoprocessing (analysis tools), Editing (dataset maintenance), Developer (SDKs and tools), Geodata (feature management), Imagery (raster and sensor data), Mapping (map design), Mobile (smartphone deployment), Python (scripting workflows), Services (online publishing), Spatial Statistics (spatial analysis), and Web (web deployment). At the bottom right of the page, there is a status bar that reads 'Internet | Protected Mode: On'.

ArcGIS Resource Center | ArcGIS | Sign in

Communities | Library | Blog | Forums | Videos

Search the ArcGIS Resource Center

Communities

User Communities

- Community Maps**
A comprehensive collection of authoritative maps built by users and published by Esri.
- Defense & Intelligence**
Military operations and activities, and base and facilities management.
- Electric & Gas**
Maps and apps that help you implement GIS in your utility.
- Hydro**
Surface and ground water resource management, water quality, flooding, and reporting.
- Local Government**
ArcGIS for land records, public works, elections, planning, and public safety.
- National Government**
GIS support for national government activities and key geographic information sharing.
- Public Safety**
ArcGIS for police, fire, EMS, and emergency management.
- Water Utilities**
ArcGIS for water, sewer and stormwater utilities.

Technical Communities

- 3D GIS**
Working with geodata, analysis, and visualization in 3D.
- Analysis & Geoprocessing**
Using tools and models to perform geographic analysis and processing.
- Editing**
Compiling and maintaining your key geographic datasets.
- Developer**
Using SDKs and developer tools to extend ArcGIS.
- Geodata**
Managing geographic features and attributes in geodatabases.
- Imagery**
Working with rasters, imagery, and sensor data.
- Mapping**
Designing, creating and publishing maps and cartographic products.
- Mobile**
Deploying GIS on smart phones, tablets and other mobile devices.
- Python**
Scripting processes and automating data and mapping workflows using the Python language.
- Services**
Publishing maps and data online throughout your organization and beyond to everyone.
- Spatial Statistics**
Analyze spatial distributions, patterns, processes, and relationships.
- Web**
Deploying GIS on the web.

Internet | Protected Mode: On

ArcGIS for National Government

The screenshot shows the ArcGIS Resource Center website for National Government. At the top, there is a navigation bar with links for Communities, Library, Blog, Forums, and Videos. A search bar is located on the right. The main heading is "National Government". Below this, there are sub-sections for "Communities" and "Health Demographics & Statistics Housing NPO - NGO Homeland Security".

The main content area features a large video player titled "The new ArcGIS A vision for sharing and collaboration". To the left of the video is a text box titled "What is ArcGIS for National Government?" which describes the initiative. To the right is a "Quick Links" section with categories: "I'm Interested In..." (Homeland Security, Defense & Intelligence, Facility Management, Natural Resources), "Support" (Frequently Asked Questions, Forums, Ideas, Support), and "Community" (Partners, Users).

Below the video player are four buttons: "What is ArcGIS for National Government?", "Tell your story!", "Find and share data and maps", and "What's Coming in ArcGIS Online".

The "Gallery" section displays five map thumbnails: "Streets", "USA Median Household Income", "USA Unemployment Rate", "USA Diversity Index", and "Ocean Basemap".

The "Recent Blog Posts" section features a post titled "New Features for the ArcGIS Discussion Forums" dated 2012/01/20. A "Featured #Map of the" banner is visible at the bottom right.

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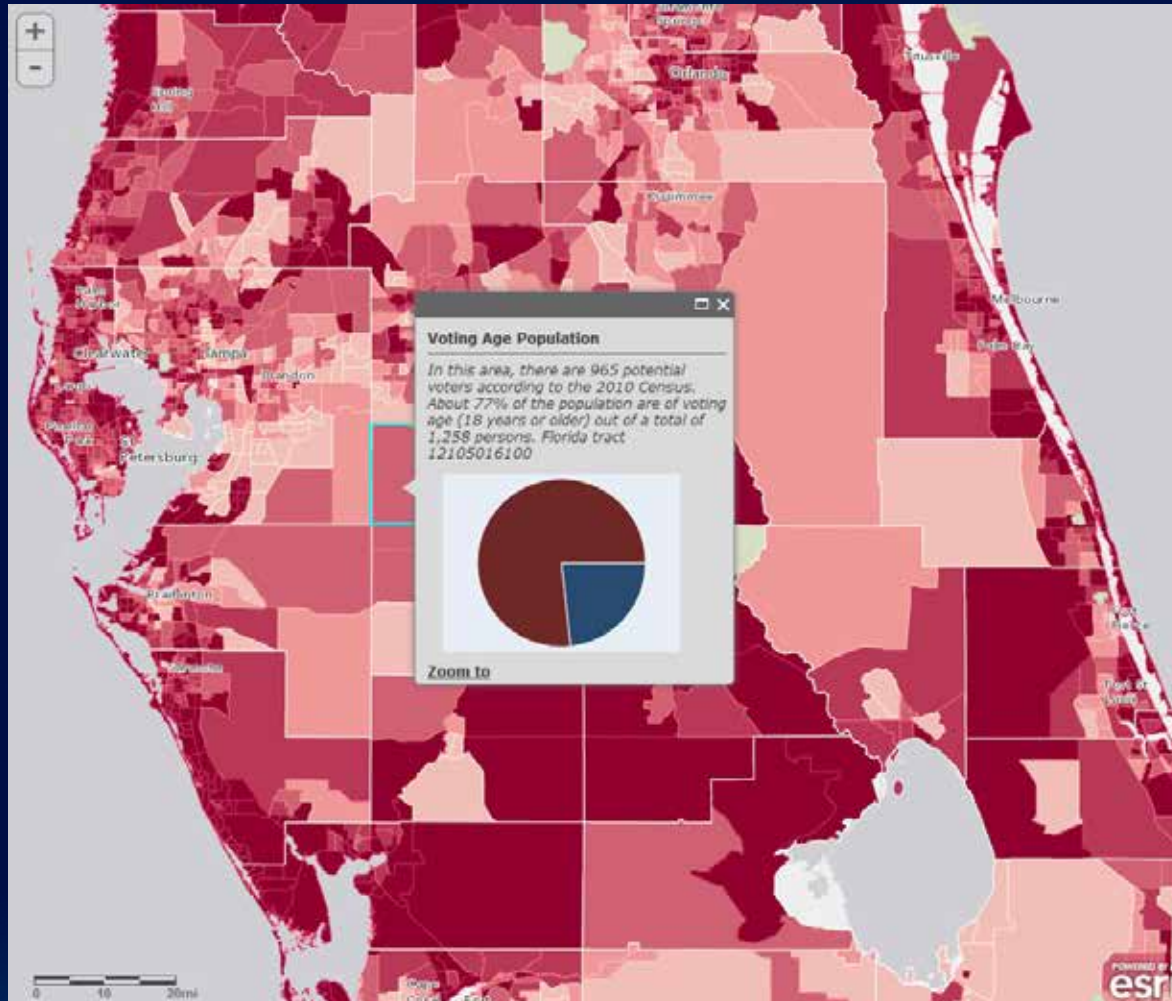
ArcGIS for Demographics and Statistics

Thomas Gibbs

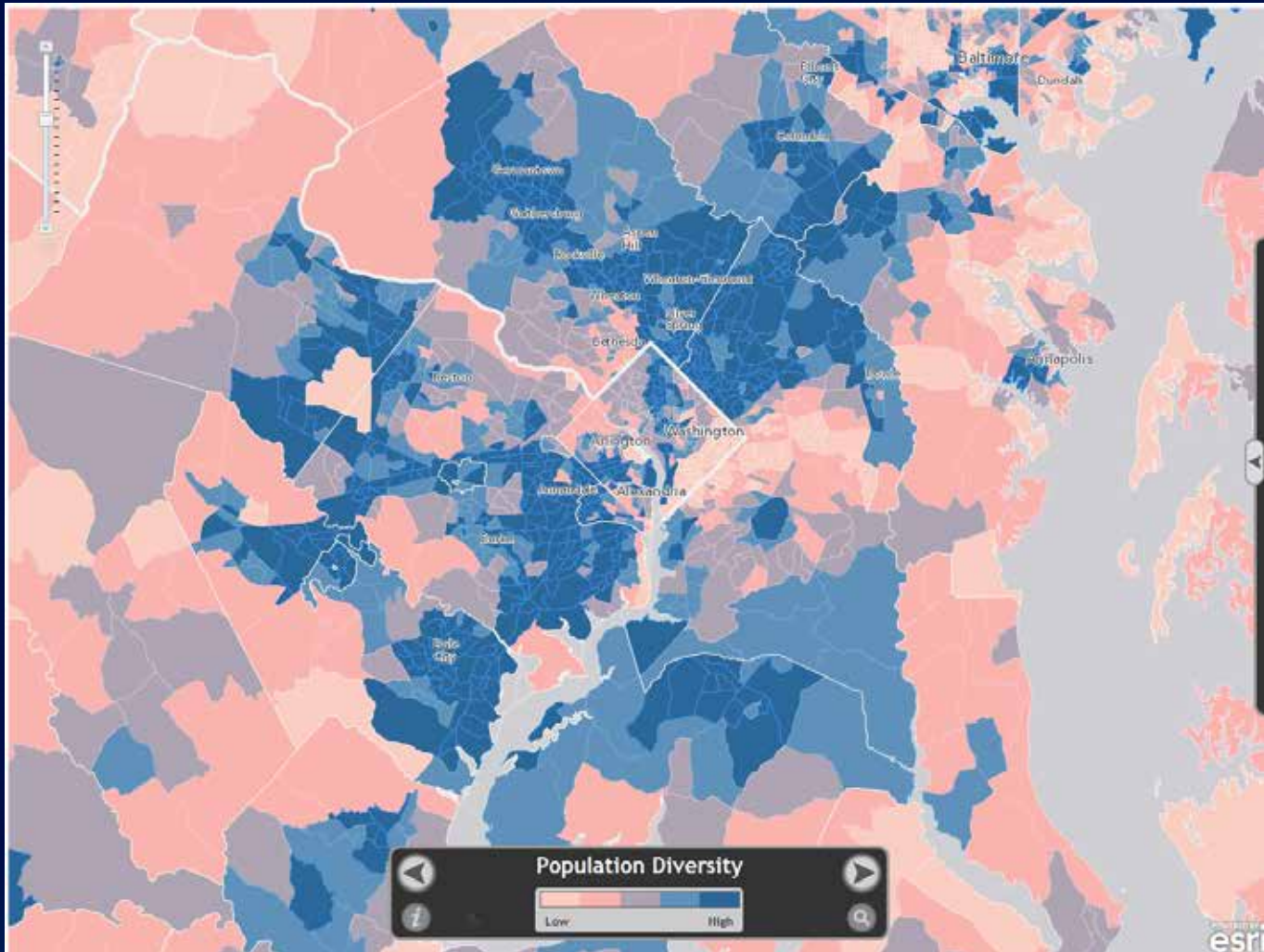
Charmel Menzel



Share Your Maps Across the Organization



Demographics Atlas

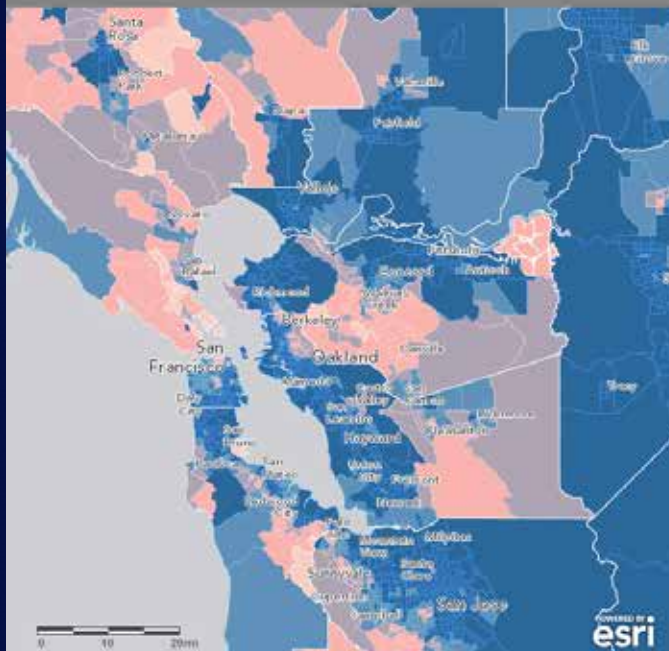


Storytelling with Maps

The diversity of America's population is rapidly increasing

A story map [f](#) [t](#)

DIVERSITY 2000



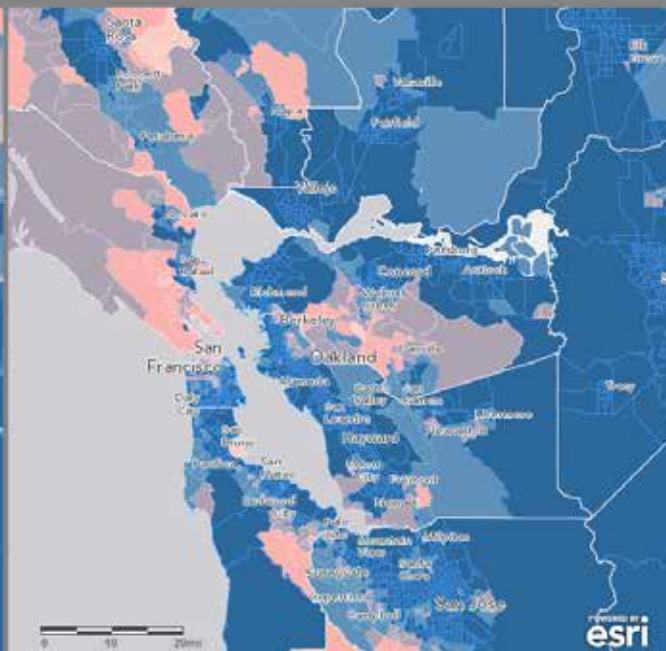
Although racial and ethnic diversity varies widely from place to place, diversity increased significantly in most areas between 2000 and 2010.

A Census Bureau index measures diversity from zero to 100. The diversity score for the U.S. was 49 in 2000, which means there was a roughly 50 percent probability that two people randomly chosen from the population belonged to different race or ethnic groups. Hispanics, which totaled 35.3 million in 2000, accounted for a significant proportion of this overall diversity.

Zoom in to view census tracts and block groups. Note that these boundaries changed significantly from 2000 to 2010.

■ Description □ Legend

DIVERSITY 2010



In 2010 the diversity score for the U.S. increased from 49 to 60. The change was largely driven by the dramatic growth of the Hispanic population, which rose 43 percent to total more than 50 million in 2010.

The Asian population also increased by 43 percent between 2000 and 2010, with 14.7 million Asians comprising five percent of the nation's 2010 population. More than half of the people in California, the District of Columbia, Hawaii, New Mexico, and Texas are part of a minority group.

Source: U.S. Census Bureau. This Census Bureau report describes America's diversity in 2010.

ArcGIS Online for Organizations

In the Cloud or On-premises

The screenshot shows the ArcGIS Online On Premise Example website. At the top, there is a navigation bar with links for Resource Center, Show: Web Content Only, My Organization, Guest Account, Notifications, Help, and Sign Out. Below this is a secondary navigation bar with links for HOME, GALLERY, MAP, GROUPS, and MY CONTENT, along with a search box containing the text "Find maps, applications and more...". The main content area features a large banner with the text "ArcGIS Online On Premise Example" and an illustration of five stylized human figures in various colors. Below the banner is a section titled "Public Information Example" which contains four map thumbnails: "Population Change (2000-2010)", "Median Household Income 2011", "Population Under 18", and "Pacific Islander Population". Each map thumbnail has a corresponding title below it. Below the maps is a text block explaining that the Demographics and Statistics Organization is an example of how organizations manage geospatial information within their organization using ArcGIS Online on-premise. The text states that the information can be made available to the complete organization, the public, or to a small private group depending on permissions set by the publisher. The purpose of this ArcGIS Online implementation is to ensure that the quality data collected by demographics and statistics national agencies about the nation's people and economy are shared. At the bottom of the page, there are two call-to-action buttons: "Make a Map »" and "Start ArcGIS Explorer Online »". The "Make a Map »" button includes the text "Create a map that can be viewed in a browser, desktop or mobile device. Share it on a blog, via email, or embed it in a website." The "Start ArcGIS Explorer Online »" button includes the text "Use this rich application for transforming your data into beautiful maps and presentations that tell powerful stories." At the very bottom of the page, there is a footer with links for Esri.com, Terms of Use, Privacy, Contact Us, and Report Abuse.

Resource Center Show: Web Content Only My Organization Guest Account Notifications Help Sign Out

HOME GALLERY MAP GROUPS MY CONTENT Find maps, applications and more... Q

ArcGIS Online On Premise Example

Public Information Example

Population Change (2000-2010)

Median Household Income 2011

Population Under 18

Pacific Islander Population

The Demographics and Statistics Organization is an example of how organizations manage geospatial information within their organization using ArcGIS Online on-premise. The information can be made available to the complete organization, the public, or to a small private group depending on permissions set by the publisher. The purpose of this ArcGIS Online implementation is to ensure that the quality data collected by demographics and statistics national agencies about the nation's people and economy are shared.

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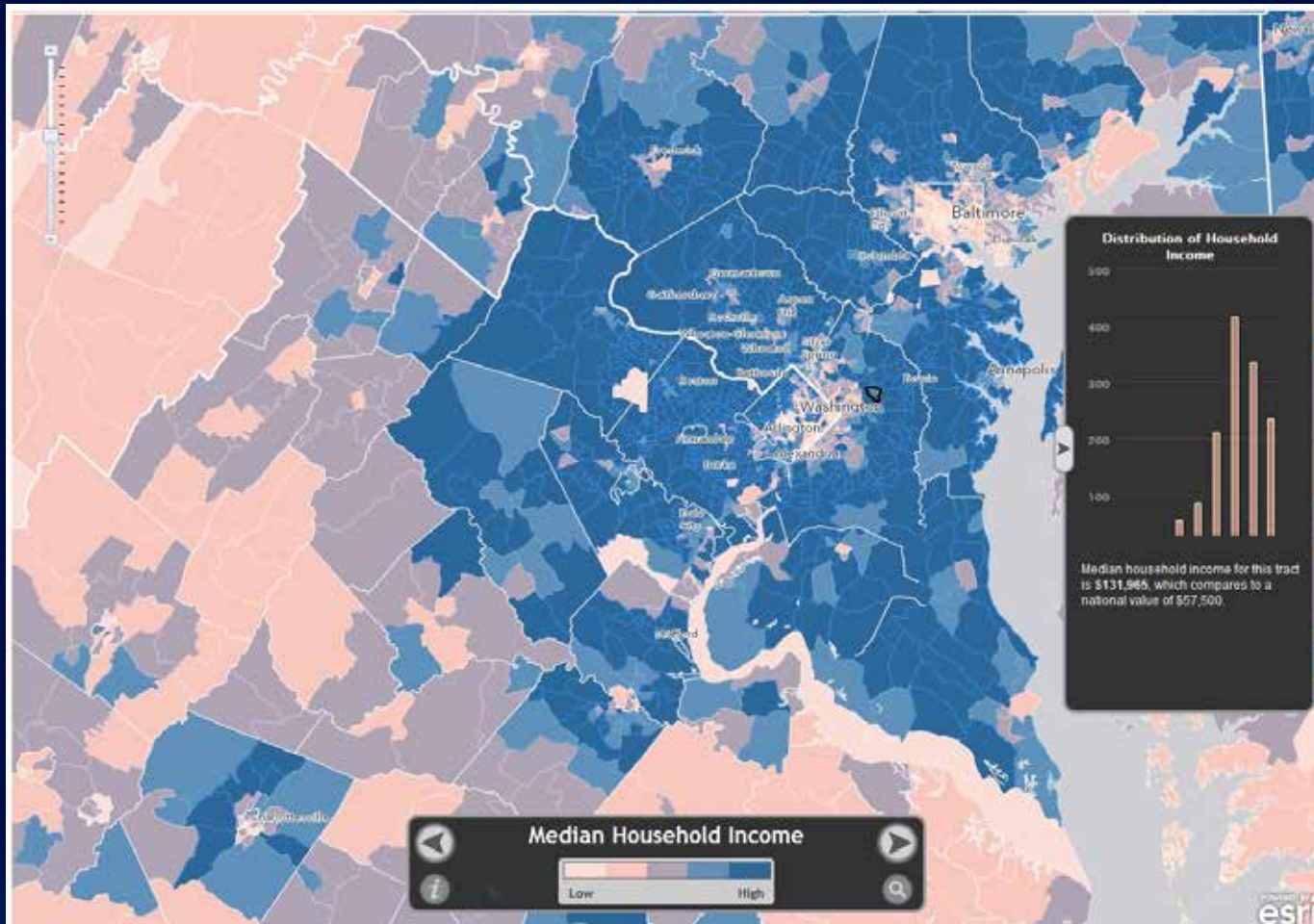


ArcGIS for Housing

Evan Caldwell



Housing Atlas



Property Explorer

Property Explorer

Available Properties:

Previous Next Search Another Area

1. The Covington Family Association, Inc.
2. FIFTEENTH STREET COOP ASSOC I*
3. Campbell Heights
4. CASA IRIS
5. PORTNER PLACE
6. RITCH HOMES
7. The Gilbertson Haass House
8. GLENN ARMS APTS
9. Capital Manor Cooperative
10. TERRIFIC INN

Monthly Rent: **\$800**

Closest Services:

- Medical Clinic: **MARY'S CENTER**
- Day Care: **UNITED PLANNING ORGANIZATION**
- Metro Stop: **VOODOO / PARK ZOO / ADAMS / 60th**

Others services within 2 miles:

- 19 Medical Clinics
- 48 Day Cares
- 14 Metro Stops

Streets Topo Imagery HUD Basemap

esri

Housing Affordability Explorer

Housing Affordability Explorer

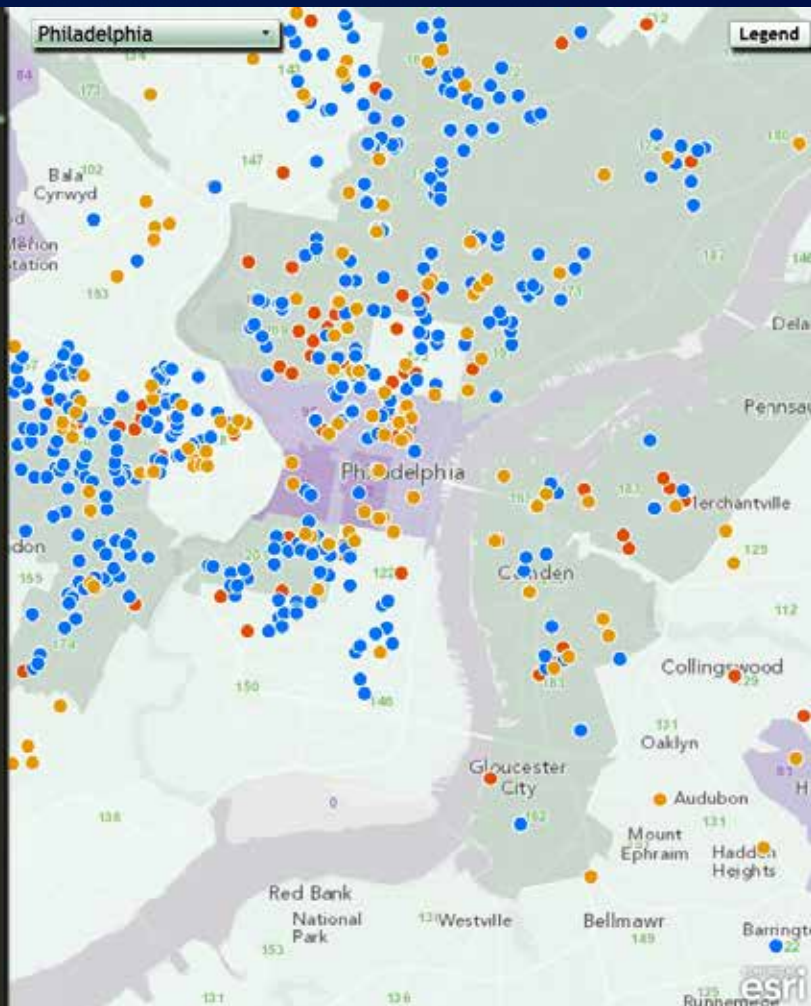
HUD Properties Currently Shown

- Public Housing 80
- LIHTC Projects 444
- Multifamily Properties 129

Affordability of HUD Properties

Category	Count
Affordable	444
Unaffordable	80

Indicator Map: ● Housing Affordability Index ● Poverty Rate



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ArcGIS for Health (and Human Services)

Laura McNulty

James Tedrick



Place Matters in Health

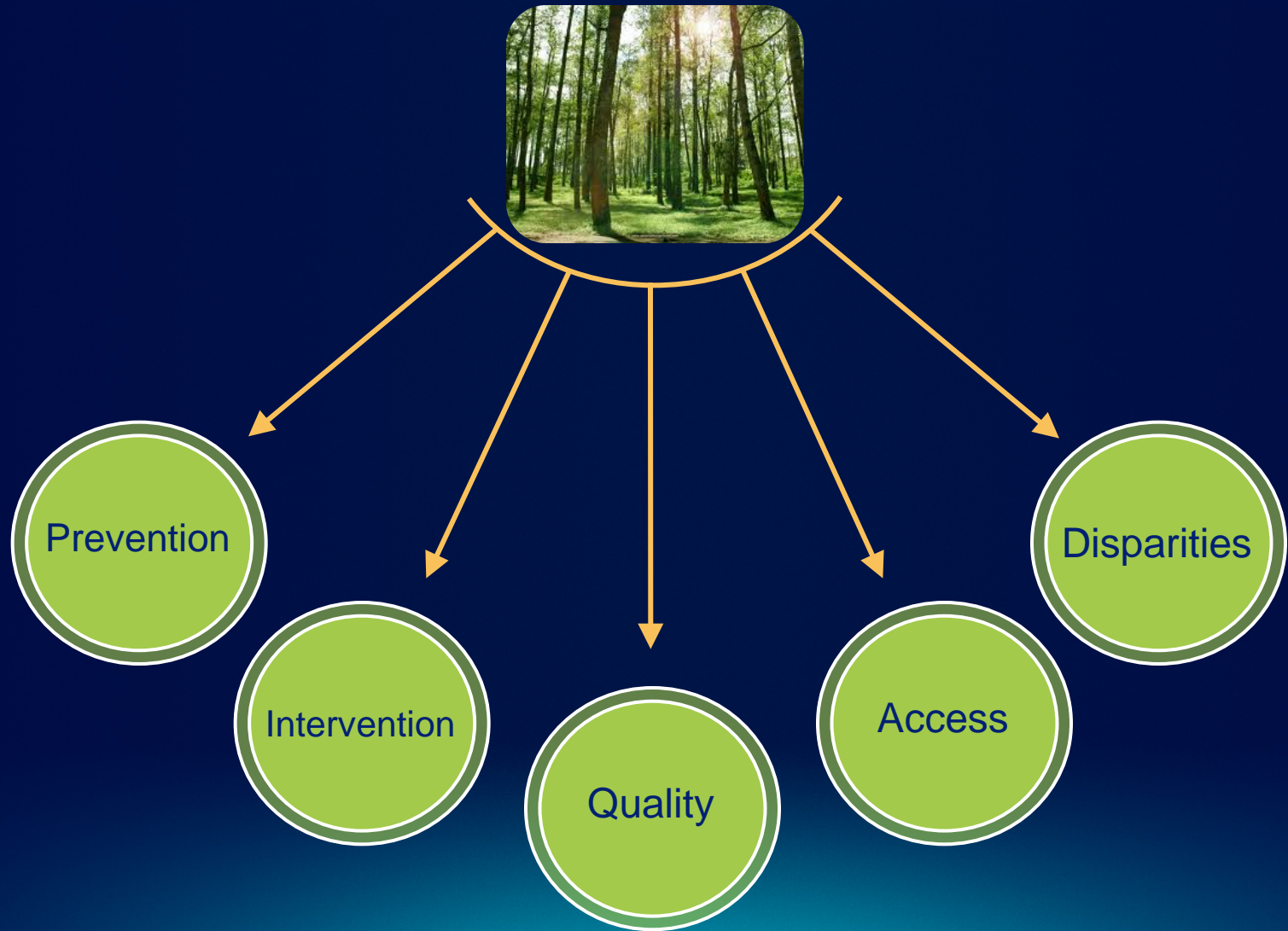
Medicine / Personal Health



Public Health



Place Matters in Public Health



Health

An Ounce of Prevention...

Benjamin Franklin said, "An ounce of prevention is worth a pound of cure". With a focus on prevention, Esri has created an Atlas using many of the Leading Health Indicators published by Healthy People 2020.

[Read more... >](#)



[Healthcare Utilization](#)

[An Ounce of Prevention...](#)

[Accessing HHS Health Resources Quickly](#)

[ArcGIS for Health \(and Human Services\)](#)

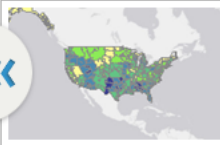
Quick Links

Getting Started

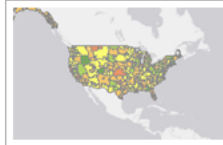
- Common Questions
- Partner Opportunities
- Forums
- Ideas
- Support

Gallery

[More Gallery posts >](#)



Medicare Beneficiaries Using Hospice Services



Medicare Drug Per User Costs



Medicare Actual Per Capita Costs



US Health Resources




Medicare Hospital Readmission Rate

Recent Blog Posts

[More Blog posts >](#)

New Features for the ArcGIS Discussion Forums (2012/01/20)

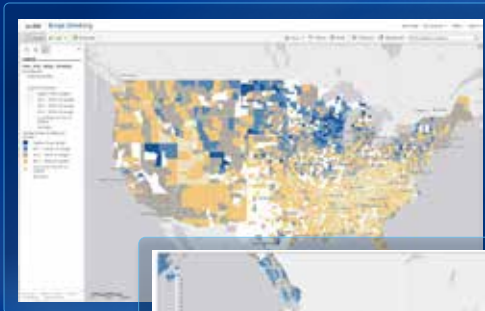
Have a question? Want to talk GIS? Looking for some good ideas? Jump into the conversation! A few weeks back we rolled out some features that we hope will improve the forums' usefulness. To be candid,



Esri RT @esriuc: Explore the mobile #ArcGIS Runtime SDKs & the #ArcGIS

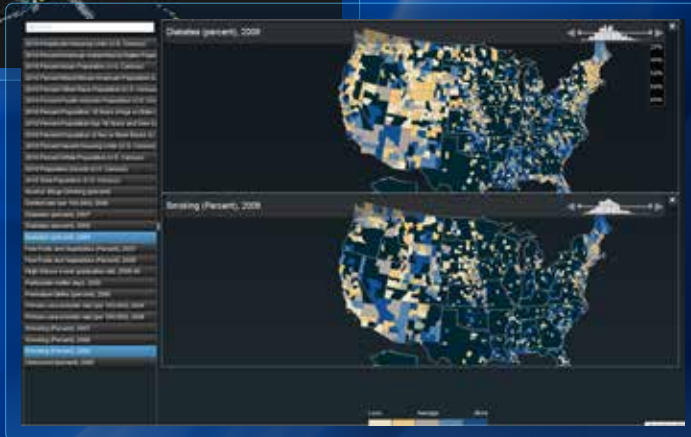
Leading Health Indicators Atlas

James Tedrick



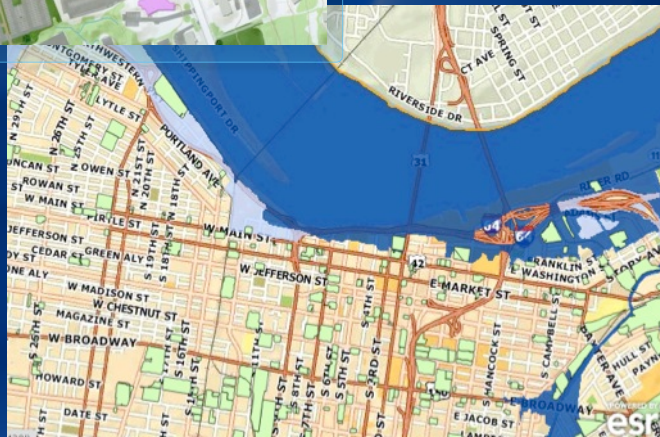
Smart Map Lite

James Tedrick

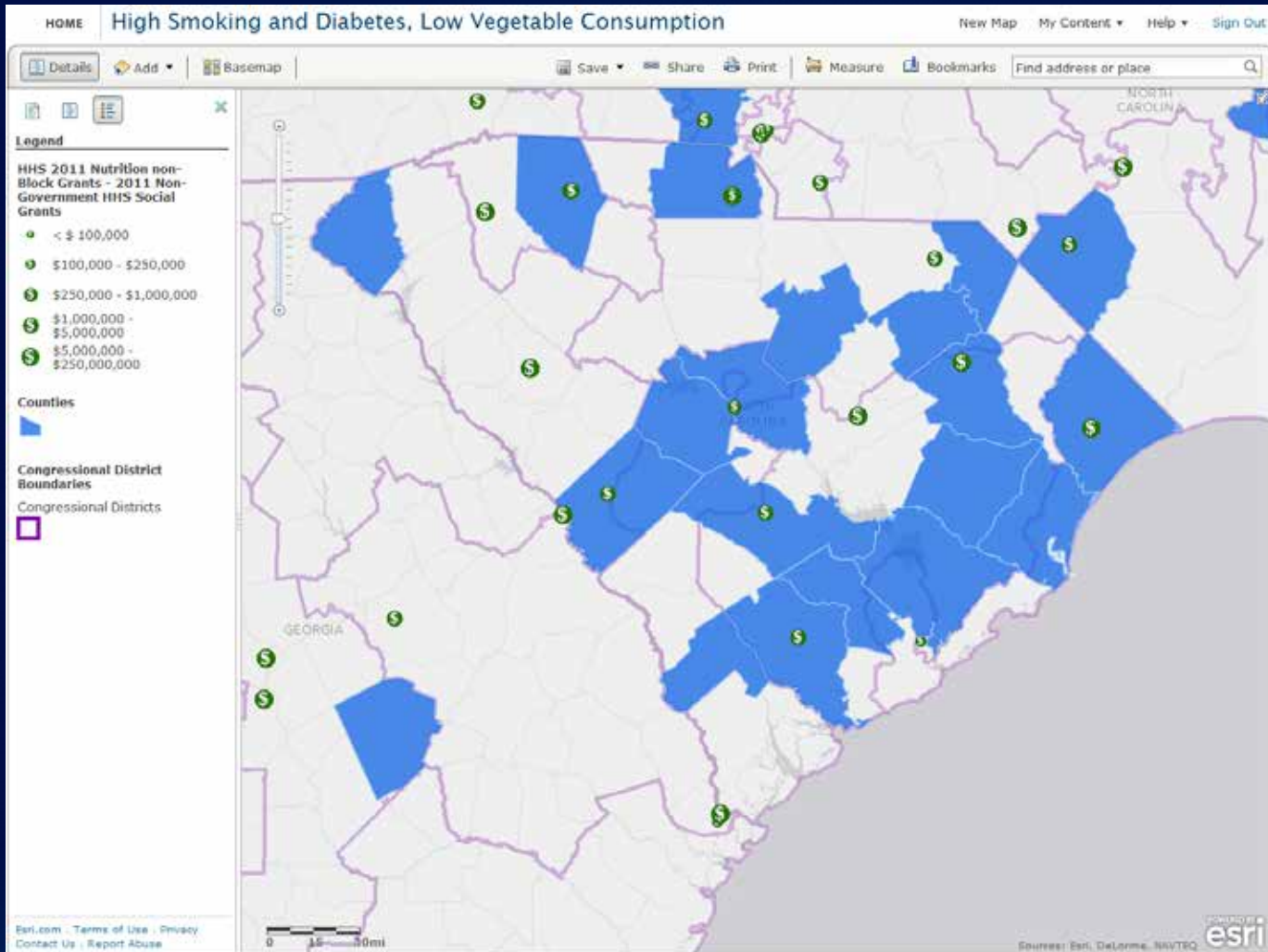


Grant Tracking

James Tedrick



Alignment Mash-up



ArcGIS for Health Resources

ArcGIS Resource Center

Communities Library Blog Forums Videos

Search National Government

Health


Communities / National Government

Health Demographics & Statistics Housing NPO - NGO Homeland Security

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Quick Links

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Gallery


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Medicare Beneficiaries Using Hospice Services




Medicare Drug Per User Costs



Medicare Actual Per Capita Costs



US Health Resources




Medicare Hospital Readmission Rate

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Internet | Protected Mode: On

Thursday Evening Reception

- 6:30 – 9:30 pm
- **Smithsonian Air and Space Museum**
- **Logistics:**
 - 6:15 – 10:00 pm Buses transport between convention center and reception
 - Conference Badge needed for reception
 - Coat check – available at entrance
 - Serving hot hors d'oeuvres and beverages



Friday Closing Session and Hosted Lunch

- **Join conference attendees for lunch and closing session**
- **11:30 am – 1:30 pm**
- **Ballrooms A-C, Third Level**
- **Closing Speaker – Chris Smith, United States Department of Agriculture**
- **Wrap-up and request for feedback with Jack Dangermond**



Thank You

Please complete session evaluation form





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