Using ArcGIS to Support Healthy Communities and Open Health Data Portals

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Agenda
Workshop Goals

Goals
- Identify the information product
- Select ArcGIS Platform tools
- Demonstrate steps to produce it
Outline

• Healthy Communities and Open Data context
• Platform and deployment options
• Demonstrations
  - Step 1: Esri Maps for Office
  - Step 2: ArcGIS Online
  - Step 3: ArcGIS Open Data
  - Step 4: Esri Maps for Office
• Review and additional resources
• Feedback / Questions

“Your Data. Your Health. Your Community”
Healthy Communities and Open Data
Healthy Communities

Context

Components

- Healthy environments
- Equal access to care
- Reduction of negative health outcomes
- Stakeholder engagement
- Community partnerships

“Your Data. Your Health. Your Community”
Open Data

Context

Principles
- Discoverable
- Explorable
- Accessible
- Collaborative

“Your Data. Your Health. Your Community”
Change is Already Occurring

“Your Data. Your Health. Your Community”
A Comprehensive Geospatial System for Managing Health and Human Services

Data Management & Analysis

Planning & Analysis
Regulatory & Compliance
Operations
Public Engagement
Templates
Key Information Products

ArcGIS

Portal
ArcGIS Online

ArcGIS Open Data

Developer Community

Partner Solutions
Focused Solutions

On Premise
ArcGIS Server

Distributed Enterprise System
BI

Location Analytics
ArcGIS Is a Platform
Maps and geographic analysis for better decision making

Portal

Desktop
Web
Device

Server
Online Content and Services
Deployment Models

**Intranet**
- Public
- Hybrid 1
- Hybrid 2
- In Your Own Infrastructure

**Read-only Basemaps**

**ArcGIS**

**Cloud**

**In Your Own infrastructure**
Define Goals
Identify Audience
Determine Story
Select Tools

Identify the Information Product

Using ArcGIS to Support Healthy Communities and Open Health Data Portals
Healthy Communities Information Product

**Goals:** Reduce low birth weight prevalence

**Audience:** Payers, Providers and Health and Human Service Professionals

**Story:** Access to care is one problem factor

**Tools:**
- Public Data
  - NPI Registry (DHHS & Division of Medicaid Policy Research, IFS, USC) and South Carolina Birth Data (SCAN, SC DHEC)
- Esri Ready to Use Content
- Esri Maps for Office
- ArcGIS Online
- ArcGIS Open Data
Esri Maps for Office

Step 1: Workflow Demonstration

- Spatially Enable
- Rendering
- Exploration
- Sharing
Esri Maps for Office
Step 1: Workflow Demonstration

Questions
ArcGIS Online

Step 2: Workflow Demonstration
ArcGIS Online

Step 2: Workflow Demonstration

Questions
ArcGIS Open Data
Step 3: Workflow Demonstration

Sharing
Functionality
ArcGIS Open Data

Step 3: Workflow Demonstration

Questions
Esri Maps for Office

Step 4: Workflow Demonstration

Add Content

Exploration
Esri Maps for Office
Review and Additional Resources

Review

• GIS “how you work”
• Spatially enable tabular data
• Data exploration and sharing
• Collaboration

Additional Resources

• Main Page: http://doc.arcgis.com/en/maps-for-office/
• GeoNet Space: https://geonet.esri.com/community/gis/analysis/esri-maps-for-location-analytics/content
ArcGIS Online
Review and Additional Resources

Review
• Layer and map rendering
• Analysis
• Enrichment
• Sharing
• Publishing

Additional Resources
• Main Page and Help: http://doc.arcgis.com/en/arcgis-online/
• GeoNet Space: https://geonet.esri.com/community/gis/web-gis/arcgisonline
ArcGIS Open Data
Review and Additional Resources

Review

• Share as Open Data
• Data exploration
• Data download

Additional Resources

• Main Page: https://opendata.arcgis.com/about
• GeoNet Space: https://geonet.esri.com/community/gis/web-gis/arcgis-open-data
Summary

ArcGIS is a complete GIS

- Dissemination
- Visualization
- Data Management
- Analysis
**Online Resources**

- Esri Health GIS on Twitter: [@Esri_Health](https://twitter.com/Esri_Health)

Esri Health GIS Conference
November 3-5, 2014
Colorado Springs, Colorado
[http://www.esri.com/events/health](http://www.esri.com/events/health)
Thank you… Any Questions?

• Please fill out the session survey:

First Offering ID: 1323
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Paper – pick up and put in drop box