

Attachment C – GPHEW NA Survey Screenshots

GPHEW Needs Assessment

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GIS IN PUBLIC HEALTH EMERGENCIES WORKING GROUP

GPHEW Needs Assessment Survey Instrument

QUESTIONS RESPONSES 7

Section 1 of 28

CDC GIS in Public Health Emergencies Needs Assessment (OMB No. 0923-0047)

Form Approved
OMB No. 0923-0047
Exp. Date: 12/31/2018

The purpose of this survey is to identify and understand gaps and successes associated with current use of [GIS](#) for emergency response and preparedness in CDC/[ATSDR](#).

CDC estimates the average reporting burden for this collection of information as approximately 15 minutes per response, including the time for reviewing instructions and answering questions. An agency may not conduct or sponsor, and a person is not required to respond to collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden statement or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/[ATSDR](#) Reports Clearance Officer, 1600 Clifton Road, MS D-74, Atlanta, GA 30333, ATTN: [PRA](#) (0923-0047).

Responses will be used to develop recommendations for [geospatial](#) policy and practice in the agency.

User ID (optional)

Short answer text

Center *

- Center for Global Health (CGH)

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This screenshot shows the beginning of a Google Forms survey. The browser's address bar displays the URL: <https://docs.google.com/forms/d/e/1FAIpQLSecpA9oIG-b1n3W>. The page features the CDC logo on the left and a background image of a map with various colored overlays. The main heading is "CDC GIS in Public Health Emergencies Needs Assessment". Below this, a green bar identifies the section as "ATSDR". A "Division" dropdown menu is currently set to "Choose". At the bottom of the form, there are "BACK" and "NEXT" buttons, a progress indicator, and the text "Page 14 of 28". A small disclaimer at the bottom reads: "This content is neither created nor endorsed by Google. Report Abuse - Terms of Service - Additional Terms".

This screenshot shows a question within the survey. The heading "CDC GIS in Public Health Emergencies Needs Assessment" is visible at the top. A red asterisk indicates a required question. The question title is "General Background". The main text of the question is: "In your branch/program, what kind of decisions are currently made using geographic information?". Below this text is a list of eight options, each with an unchecked checkbox: "Financial", "Strategic Planning", "Programmatic", "Research Design", "Advocacy", "Education", "Policy", and "Survey Design". At the bottom of the list is an "Other:" field with a blank line for text entry.

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Do you think you need additional spatial data/maps/visualizations to inform your decision making process?

Yes
 No
 Maybe

If you marked 'Yes' or 'Maybe' to the previous question, please describe.

Your answer

Would you like to be contacted, via email, by the GIS in Public Health Emergencies Working Group to discuss this further?

Yes
 No

What type of geographic information systems (GIS) user are you?

None. I have no training or exposure to GIS.
 I have heard of it but have little exposure.
 Minimal training and use it rarely.
 Trained to at least an intermediate level, but I do not use GIS.

Trained to at least an intermediate level, and I use GIS occasionally.
 Trained to at least an intermediate level, and I use GIS regularly.

On a scale of 1-5, how useful are geospatial methods and personnel to emergency response activities?

	1	2	3	4	5	
Less Important	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Important

On a scale of 1-5, how useful are geospatial methods and personnel to non-emergency public health activities?

	1	2	3	4	5	
Less Important	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very Important

In as few words as possible, please describe your overall opinion of CDC's use of GIS in public health emergencies (Please write 'N/A' if you are unsure):

Strengths (internal)
Your answer

Weaknesses (internal)
Your answer

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Strengths (internal)
Your answer

Weaknesses (internal)
Your answer

Opportunities (external)
Your answer

Threats (external)
Your answer

I am responsible for purchasing GIS licenses. *

Yes

No

BACK NEXT

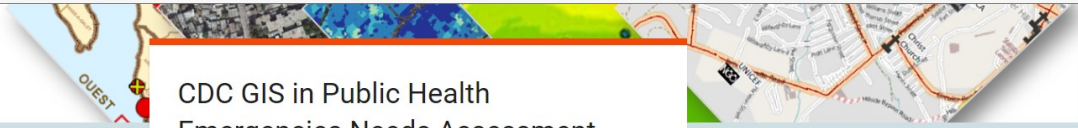

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CDC GIS in Public Health Emergencies Needs Assessment

GIS Administrators

Are you a GIS Administrator?

Yes

No

Have you had any issues purchasing GIS licenses or software for CDC colleagues?

Yes

No

If yes, to previous question, please describe.

Your answer

Have you had any issues purchasing GIS licenses or software for Ministry of Health colleagues/partners?

Yes

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Have you ever purchased licenses or software for Ministry of Health colleagues/partners?

Yes

No

I do not purchase licenses or software for Ministry of Health colleagues/partners.

If yes, to previous question, please describe.

Your answer

Do you have a point of contact (POC) who you could ask questions about GIS licenses or software?

Yes

No

As a GIS administrator, is there any other feedback you would like to provide?

Your answer

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CDC GIS in Public Health Emergencies Needs Assessment

* Required

Field Data Collection

Have you ever collected spatial data (GPS Coordinates, addresses for mapping, etc.) while deployed or out in the field? *

Yes

No

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GIS IN PUBLIC HEALTH SCENARIOS WORKING GROUP

CDC GIS in Public Health Emergencies Needs Assessment

* Required

Field Data Collection (cont'd)

What device(s) did you use? Select all that apply.

- GPS Unit
- Blackberry
- iPhone
- Android Phone
- Tablet
- Handheld Camera
- Recorded address on survey
- None of the above

Did you receive training at any time on how to transfer data from

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Did you receive training at any time on how to transfer data from the device to your computer after collecting it?

Yes

No

What platform/s have you used to collect data? Select all that apply.

- EpiInfo
- Open Data Kit (ODK)
- DHIS Tracker
- KoboCollect
- CommCare
- EpiSample
- Survey123
- Ona
- Other: _____

Which platforms do you prefer? (Select your top two preferred platforms.)

- EpiInfo

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Open Data Kit (ODK)
 DHIS Tracker
 KoboCollect
 CommCare
 EpiSample
 Survey123
 Ona
 Other: _____

Which platforms do you least prefer? (Select your top two least preferred platforms.)

EpiInfo
 Open Data Kit (ODK)
 DHIS Tracker
 KoboCollect
 CommCare
 EpiSample
 Survey123

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Ona
 Other: _____

What is your typical use-case for mobile data collection? Please describe.
Your answer _____

How/where did you store the data while in the field?
Your answer _____

How was data archived in the field?
Your answer _____

After collecting spatial data, how was spatial visualization and/or analysis completed? Select all that apply:

I completed this in the field
 Completed in the field by in-country resources (Ministry of Health or other in country partner)
 Completed in the field by other deployer(s)
 Seek support/guidance from Atlanta office
 I was unaware of spatial techniques that applied to my data.

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If you worked with the spatial data yourself, did you have training on the GIS software prior to use?

Yes
 No

Did you use a mapping platform for navigational or personal use?

Yes
 No

Did you have trouble accessing software in the field?

Yes
 No

If yes, please list which software(s) and the barriers to access?

Your answer

Have you had difficulty receiving or sending large spatial files in the field?

Yes
 No

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If yes, please note difficulties encountered.

Your answer

Did you know you can check out a GPS unit from the EOC equipment room for any kind of deployment?

Yes
 No

Have you had any training on using the following GPS devices available from the EOC? Select all that apply.

	
<input type="checkbox"/> GPS MAP 62	<input type="checkbox"/> GPS Oregon
	

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Browser tabs: GPHEW Needs Assessment Su..., CDC GIS in Public Health E...

I have had training but don't remember which device. No training on GPS device.

Other: _____

Have you ever used one of the above EOC-provided GPS devices above while deployed or out in the field? *

Yes
 No

If yes, was the device adequate for the duties needed to be performed?

Yes
 No
 N/A

If the device was not adequate, please describe the issues encountered.

Your answer _____

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Browser tabs: GPHEW Needs Assessment Su..., CDC GIS in Public Health E...



CDC GIS in Public Health Emergencies Needs Assessment

GIS Requests

Did you know that you can request maps, data, or other geographic products from groups within CDC/ATSDR?

Yes
 No

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GIS Requests (cont'd)

In the last 2 years, did you request maps, data, or other geographic products from an agency within CDC/ATSDR?



Yes
 No

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GIS Requests (cont'd)

Did you know who to contact to get the services/products you needed?

Yes
 No

Over the last 2 years, what branch/group/individuals did you request from? Select all that apply.

- Emergency Operations Center: Situational Awareness Team
- Geospatial Research, Analysis, and Services Program (GRASP)
- Epi-Info Team
- GIS Individuals in my branch
- CDC GIS Individuals in a country office
- External Stakeholder
- Ministry of Health/In-country GIS in government (non-CDC)
- Other: _____

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What kind of support did you request? Select all that apply.

- Programmatic results-based maps linking epidemiology, laboratory, and results to geographic units such as counties/states/countries
- Locator or reference maps: base maps of country/area, health facility maps
- Spatial Analysis: i.e. cluster analysis, rate smoothing, geospatial regression, etc.
- Spatial Modeling: i.e. space-time modeling
- Survey support
- GIS Software support
- GIS Training
- Other: _____

After requesting product/service did GIS staff typically respond within:

- 24 hours
- 48 hours
- Within work week
- Within two weeks
- Did not respond

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How did you request GIS products/services?

- I sent an email to a GIS staff member
- I emailed Situational Awareness
- I used the GRASP request portal
- I asked a person directly
- Other: _____

Did you receive what was requested?

- Yes
- No

On a scale of 1-5, how would you rate the quality of the received geographic products?

1 2 3 4 5

Low Quality High Quality

Were geospatial products/services used in order to aid in decision-making during the response?

- Yes
- No

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Did you encounter any other challenges to obtaining spatial data/products or services that are not captured above? Please describe.

Your answer

In which of the following languages do you typically need map products? Select all that apply.

- English
- French
- Spanish
- Portuguese
- Arabic
- Russian
- Mandarin
- Other: _____

Are the non-English products you requested of sufficient quality for your work?

- Yes
- No
- N/A

Other: _____

Are the non-English products you requested of sufficient quality for your work?

- Yes
- No
- N/A

If you answered 'no' to the previous question, please describe.

Your answer

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Google Forms

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ARTIBONITE
QUEBEC

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* Required

GIS Professionals

Do you use geospatial technologies to support public health emergencies in any way? *

Yes

No

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GIS Professionals (cont'd)

Please briefly describe the most common GIS or GPS-related products, activities, methods etc. you utilize or produce related to public health emergencies.

Your answer

How are requests for GIS support received in your branch, program, or division? Select all that apply.

Online request system

Email

Ad-hoc, no system

Other: _____

How are requests assigned to individuals within your branch?

Email

Tracking system

Supervisor-assigned

No system/ad-hoc

Other: _____

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Have you received requests for the following geospatial products? Check all that apply.

- Programmatic results-based maps linking epidemiology, laboratory, and results to geographic units such as counties/states/countries
- Locator or reference maps: base maps of country/area, health facility maps
- Spatial Analysis: i.e. cluster analysis, rate smoothing, geospatial regression, etc.
- Spatial Modeling: i.e. space-time modeling
- Survey support
- GIS Software support
- GIS Training
- I proposed needed work after reviewing request

Do you offer trainings related to any of the following skillsets? Check all that apply.

- Data collection
- Data processing/manipulation
- Data visualization
- Spatial analysis
- Spatial statistics

Spatial modeling

We do not offer training on GIS-related skillsets.

Other: _____

59. If you do offer trainings, please describe what they cover below.

Your answer

Have you deployed and completed GIS work during a response?

- Yes to the field
- Yes to the EOC
- Yes to both
- No, but I would like to
- No, I am not interested

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The screenshot shows a Google Form titled "CDC GIS in Public Health Emergencies Needs Assessment". The form is displayed on a browser window with the URL <https://docs.google.com/forms/d/e/1FAIpQLSecpA9oIG-b1n3W>. The form header includes the CDC logo and the text "GIS IN PUBLIC HEALTH EMERGENCIES WORKING GROUP". The main content area is titled "GIS Professionals (cont'd)" and contains a question: "If no, but interested, why have you not deployed?". Below the question are several checkboxes with corresponding text: "No GIS detail request", "Supervisor did not approve", "Funding mechanism was unclear or unavailable", "I do not have time", "Unclear Terms of Reference (purpose and scope of deployment need)", "N/A", and "Other: _____". The background of the form features a collage of maps and data visualizations, including a map of Quebec, a heatmap, and a street map.

The screenshot shows the continuation of the Google Form. The question "If no, but interested, why have you not deployed?" is partially visible at the top. Below it, the question "If you are interested in deploying, what GIS skillsets do you have? Select all that apply." is displayed. This question has several checkboxes with corresponding text: "Data collection", "Data processing/manipulation", "Data visualization", "Spatial analysis", "Spatial statistics", "Spatial modeling", and "Other: _____". At the bottom of the form, there are "BACK" and "NEXT" buttons, a progress bar, and the text "Page 26 of 28". Below the form, there is a footer that reads "Never submit passwords through Google Forms." and "This content is neither created nor endorsed by Google. Report Abuse - Terms of Service - Additional Terms". The Google Forms logo is also visible at the bottom.

Attachment C – GPHEW NA Survey Screenshots

The screenshot shows a Google Forms interface for a survey titled "CDC GIS in Public Health Emergencies Needs Assessment". The browser's address bar shows the URL: <https://docs.google.com/forms/d/e/1FAIpQLSecpA9oIG-b1n3W>. The browser tabs include "GPHEW Needs Assessment Su..." and "CDC GIS in Public Health E...". The form header features the CDC logo and the text "CDC GIS in Public Health Emergencies Needs Assessment". Below the header is a green bar with the word "Software". The main question is "What geospatial software do you use? Select all that apply." The options are: ArcGIS, QGIS, EpilInfo, RedSky, MapBox, R, Spatial Statistical Software such as GeoDa, Satscan, ClusterSeer, Qualitative platforms such as ATLAS.ti?, Remote Sensing Softwares such as ENVI or ERDAS, None, and Other: _____.

The screenshot shows the next section of the Google Forms survey. The question is "In a few words, briefly explain why those selected above are your softwares of choice?" followed by a text input field labeled "Your answer". Below this are three multiple-choice questions: "Is language a barrier to using GIS for you or your colleagues?" with options Yes and No; "Are software training materials and other resources available in the language(s) preferred by your colleagues?" with options Yes and No; and "Have you taken any trainings provided by a group within CDC/ATSDR related to geospatial software and applications?" with options Yes and No. The final question is "If so, who, or what group, taught the training(s) and what was the topic(s)?" followed by a text input field labeled "Your answer".

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Are software training materials and other resources available in the language(s) preferred by your colleagues?

Yes

No

Have you taken any trainings provided by a group within CDC/ATSDR related to geospatial software and applications?

Yes

No

If so, who, or what group, taught the training(s) and what was the topic(s)?


Your answer

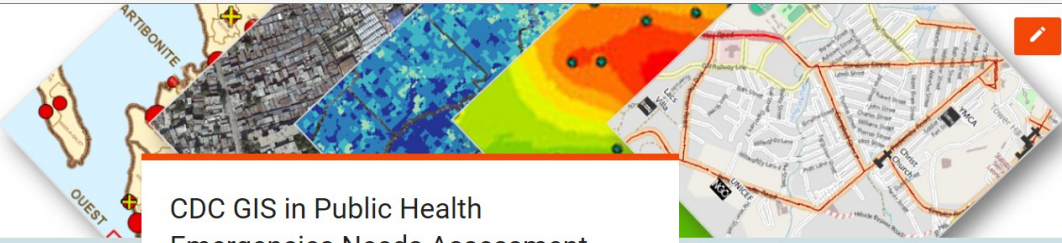
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Google Forms





CDC GIS in Public Health Emergencies Needs Assessment

Thank You!

The GIS in Public Health Emergencies Working Group (GPHEW) appreciates your participation in this survey. If you have any questions about GPHEW, please contact Erica Adams (yun2@cdc.gov).

Select Submit to complete this survey.

SUBMIT

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