

Remote data collection webinar
Resources prep guide
UNHCR Innovation + Global Data Service (IM team)

UNHCR - Guidance and Resources

- UNHCR [Needs Assessment Handbook](#) and Toolkit (notably guidance on and templates for SDRs and data collection)
- UNHCR [Connectivity for Refugees COVID-19 Guidance](#)
- UNHCR MENA CwC during COVID-19 ([April 2020](#)) report)
- UNHCR [Integrated framework for HH surveys + Kobo guidance](#) + [Kobo Support](#)
- UNHCR [WASH mobile data collection Guidance](#)
- UNHCR [Afghanistan-Orange mobile phone survey for real-time monitoring returnees/IDP](#)
- UNHCR [WASH IoT TORs](#) + dashboards water tracking: [Iraq](#), [Uganda](#)
- UNHCR [Media Monitoring example](#) report (Venezuela situation)
 - [Kobo survey](#)
- UNHCR [Use of drones for data collection](#) (e.g. shelter, other assessments)
- UNHCR Innovation [on chatbots blog](#)
- UNHCR [Iraq housing assessment using satellite imagery](#) and [page 6 of this report](#)
 - [Other UNHCR examples of satellite imagery work](#) (USAforUNHCR)
- UNHCR Telemedicine [HIS toolkit](#) can be done remotely
 - [Tulane project](#) (Tanzania)
- UNHCR Innovation, UNHCR Turkey and UN Global Pulse [human mobility segregation patterns using CDRs in Turkey](#)
- UNHCR Innovation, UNHCR Jordan, ESRI: RefugGIS project ([mapping/data collection by refugees](#)) using [ArcGIS](#)
- UNHCR Innovation and Global Pulse, [Social Media Monitoring Guidance](#)
 - Social media monitoring reports: [Berlin](#)
- UNHCR [Digital Accountability for Affected People](#) (UNHCR intranet case studies + Report 2020)

UNHCR covid operational guidance materials is available on the [Intranet](#) and on the Operational Data Portal's [covid page](#) + dedicated pages by the [GPC](#), [CCCM Cluster](#) and [Global Shelter Cluster](#)

EXTERNAL - Guidance

- ACAPS, [Technical Brief on Secondary Data Review](#)
- ACAPS, [Expert Judgement: The use of expert judgement in humanitarian analysis](#)
- ALNAP [Responding to COVID-19: Guidance for humanitarian agencies](#)
- CartONG [COVID-19 guidance](#)
- Centre4Innovation [Secure Communications Platforms 2020](#)
- CGIAR [Strengths and limitations of computer assisted telephone interviews \(CATI\) for nutrition data collection in rural Kenya](#)
- Flowminder [Human mobility using call detail records \(CDRs\) guidance](#)
- GSMA [Reaching 50 million women with mobile: practical guide](#)
- GSMA Webinar: [Closing the Coverage Gap – How Innovation Can Drive Rural](#)

[Connectivity](#)

- HOTSOM [guide on participatory mapping](#)
 - [Community mapping presentation guidance](#)
- ICRC, [Acquiring and Analysing Data in Support of Evidence-Based Decisions](#)
- IDMC, [Coronavirus risk and new displacement](#) (based on INFORM Covid-19 risk index)
- IFRC, UNICEF, WHO, [Tips for Engaging Communities during COVID-19 in Low-Resource Settings, Remotely and In-Person](#)
- JIPS, [The New Normal: Collecting data amidst a global pandemic](#)
- JPAL [Best Practices for Conducting Phone Surveys](#)
- OCHA Center for Humanitarian Data, [Quick tips for visualising data](#) (Covid examples)
- OCHA Center for Humanitarian Data, [Responsible Data in Context of Covid-19](#)
- PIM, [Principles in Action](#) (how to implement the principles at each step of the IM process)
- PIM, [Framework for Data Sharing in Practice](#)
- REACH, [SOPs for Data Collection during COVID-19](#)
- UN ESCAP, [Surveys under Lockdown: A Pandemic Lesson](#)
- UN Global Pulse, [COVID-19 Data Protection and Privacy Resources](#)
- UNOSAT-UN Global pulse [detecting informal tented settlements from satellite imagery](#)
- USAID Guidance [Remote Monitoring under COVID-19](#)
- WFP [WAM Service Mobile Surveys](#)
 - Mobile Surveys [Field Book](#) and [Manual guide](#)
- WB [Enterprise Surveys Insights from enterprise surveys: Including the informal economy in policy responses to COVID-19](#)
- WB [Phone Surveys for Understanding Covid-19](#)

EXTERNAL - Resources

- GEO [satellite imagery database](#)
- ICT works [10 digital health solutions](#)
- Harvard [Humanitarian Initiative COVID-19](#)
 - [Database of more resources](#)
- [MIT remote monitoring project](#)
- NASA [satellite imagery database](#)
- RIWI [internet connection/redirection survey](#)
- Twilio - [SMS data collection and two-way communication](#)
- Ushahidi [Community-based mapping using SMS](#)
- WFP Free online course on [remote food security monitoring](#)

FUNDING for COVID-19 initiatives

- Canada (IDRC/CRDI) [COVID-19 Global South Artificial Intelligence and Data Innovation Program](#)
- DFID [Data Challenge for COVIDAction](#)
- DFID Open Call: [Building Resilient Health Systems through the COVID-19 Pandemic and Beyond](#)
- ELRHA [Research to support COVID-19 response in humanitarian settings](#)
 - UNDP [COVID-19 Detect & Protect Challenge](#)

Secondary Data Sources (Big data)

Table 1 - Big Data sources and some tools/project guidance to analyze them

Big data source	Technology Solution or ways to extract it
Radio broadcasts (for those operations without or with limited access to connectivity)	- UN Global Pulse Kampala Lab - radio projects Uganda example (including paper and project concept note)
Text-based data (e.g. mission reports, Activity info, survey-based data)	- NLP basic intro: here is this guide, and good examples are: - Open Source: Parallel dots UNHCR Ecuador Activity Info Data: Qualminer - Similar to this R blog - On python this one (NLTK) - Licensed software: text2data Infranodus quid.com (upload data feature), - Automatic classification of text (AI-based) - Automatic tagging: DEEP-L
Whatsapp data	Python: Open source mining with Python (basic python coding needed), and another method (also in python) R: Whatsapp data mining with R (basic R coding needed) - License software Chat Visualizer - UNHCR, Engaging with Communities via WhatsApp Trees, 2020
News outlets (e.g. protection related incidents or political trends)	- ACLED Data COVID-19 Disaster Tracker - UN Global Pulse Media data projects - Kobo (UNHCR Corporate tool) - with a dedicated news category-based survey (e.g. Venezuela media monitoring of 2017, situational analysis and protection-related incidents)
Social Media Firehose Data (e.g. host community sentiment analysis and/or protection-related incidents or other civil unrest incidents posts)	- Twitter Open source mining with Python (basic python coding needed) UN Global Pulse projects using social media - UN Global Pulse software: Qatalog (required login from them with purpose specification and sign agreement, full access to twitter hose) - Facebook Python (coding needed)
Financial transactions (e.g. implementing partners and/or CBI teams data)	- UN Global Pulse guidance on projects using financial transactions Data on cash and/or CBI (OCHA HDX)
Online Search data (e.g. google searches)	Google trends: proxy for information e.g. asylum seekers trying to find information or misinformation such as symptoms Google Mobility Reports: model for national mobility COVID-19 dashboards - UN Global Pulse examples on online search data projects
Call Detail Records (CDRs) (mobile towers data, helpful to understand movement in both rural/urban area)	Flowminder COVID-19 resources Flowminder COVID-19 Github