Remove to improve (the data-ink ratio)
Typhoon Haiyan - 3W Dashboard

Explore 3W data for Typhoon Haiyan. Source UN OCHA Last update 5th May 2014
44,265 selected out of 44,265 records

Map (Where)
Municipalities - Provinces

Status (What)
- Planned
- Ongoing
- Completed

Sector (What)
- WASH
- Shelter
- Education
- Protection
- Food Security and Agriculture

Top Ten Organisations (Who)
By activity count
- UNICEF
- WFP
- Plan International
- FAO
- Oxfam
- IOM
- Save the Children
- Oxford
- ACF
- CA

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http://simonbjohnson.github.io/Hayian-3W-Dashboard/
3W visualisation of the response to Typhoon Haiyan in the Philippines

The data presented here is collected through the Syrian Refugee Response platform and then cleaned by Sector focal points. You can download the data here. More info on Jordan here.

The following charts show the achievements of Basic Needs sector. Click on any of the graphs below to filter and slice the data.

The units displayed here correspond to “Assistance Instance”. As such totals presented here should be analysed accordingly.

http://data.unhcr.org/jordan/sectors/2015/basicneeds
Jordan Inter-Agency Financial Tracking - 2015

This Financial Tracking System (FTS) is based on funds received by refugee response partners in Jordan. It only covers the inter-agency appeal for the refugee pillar of the 3RP, in support of the Jordan Response Plan (JRP). The JRP FTS remains the authoritative source for funds pledged and allocated to the Jordan Resilience Plan (JRP) log-frame. For more information, see http://www.jrpsc.org/financial-tracking/.

Total Requested (USD) $880M  Percentage Received 51%  Funds Received (USD) $450M  Not yet funded (USD) $430M

You have selected 136 reports out of a total of 545 reports [Click to reset all filters]

Quarters
- 0- Three Quarters
- 1- First Quarter
- 2- Second Quarter
- 3- Third Quarter
- 4- Fourth Quarter

Received funds across Sectors
- FOOD/LIV
- BASIC NEEDS
- PROTECTION
- WASH
- EDUCATION
- HEALTH
- SHELTER

Received funds per Agency
- UNHCR
- WFP
- UNICEF
- SCI
- NRC
- IRC
- WWI
- CARE
- HI
- UNFPA
- DRC
- Caritas
- IR
- Oxfam
- Mercy Corps
- UNFPA
- ACTED
- NRC
- NEF
- IOM
- JHAS
- MEDAIR
- CVT
- QRC
- ACF
- KfW
- PU-AMI
- RI
- IMC

Distribution of received funds/gap across Sectors

http://data.unhcr.org/jordan/fts
Shelter / NFI Cluster Dashboard - Iraq.

Click on any of the graphs below to filter and slice the data. Note that aggregated quantities might be misleading, start filtering on item first.

NFI Quantities by item type

- Bed cover
- Blanket
- Boiler
- Carpet
- Clothes
- Floor mats
- Fuel (100 litres)
- Heater
- Heater (electrical)
- Hygiene kit
- Insulated floor mats
- Jerry can (fuel)
- Jerry can (water)
- Kitchen set
- Mattress
- Pillow
- Plastic sheet
- Polystyrene floor board
- Quilt
- Shoes
- Stove
- Tent
- Tent (winterized)
- Tent insulation
- Towel

NFI quantity by organisation

- UNICEF
- IOM
- UNHCR

NFI type by Category (number of item)

- Normal NFI
- Winterization

NFI Quantity by Operational area

- Center & South
- KRI
- Unassigned

Supply Timeline

http://shelter-cluster-iraq.github.io/supply_dashboard/
Rapid Assessment of IDP informal settlements
CCC M cluster - IRAQ - Supporting Displaced Communities

Explore the initial profile of the informal settlements hosting IDPs. You can download the data [here](http://edouard-legoupil.github.io/Site-Assessment) and access the full map [here](http://edouard-legoupil.github.io/Site-Assessment).

880 sites selected out of 880 records. 86k individuals. 16k household, 21k men, 23k women, 21k boys, 21k girls.

Filter on conditions within the sites

- **Governorates**
  - Number of individuals
  ```
  Dahuk
  Erbil
  Ninevah
  Diyala
  Sulaymaniyyah
  ```

- **Districts**
  - Number of individuals
  ```
  Zakho
  Suleimani
  Erbil
  Qamishlo
  KHanaqin
  Akre
  Shingal
  Koisnjaq
  Sulaymaniyya
  Shikhan
  Hamdaniya
  Pshdar
  Soran
  Kifri
  Dokan
  Darbandikhan
  Sharbazher
  Chamchamal
  Rania
  ```

- **Site type**
  - Direct environment
  ```
  Isolated
  City_center
  Suburb
  Town
  ```

- **Site size**
  - Number of sites by size
  ```
  a. 0-49
  b. 50-99
  c. 100-249
  d. 250-499
  e. 500-2000
  f. >1000
  ```

Map: Location of the sites

Zoom on the map to filter sites. Click on the pinpoint for more information.

Composite Score
(water_access + water_quality + openelement + damage + mines+ hazards + fighting)
ranked in 5 five classes.
Number of sites

- 1. Extreme
- 2. High
- 3. Medium
- 4. Low
- 5. None

http://edouard-legoupil.github.io/Site-Assessment
dc.js Library

- Bubble Chart
- Line Chart
- Data Table
- Choropleth Map
- Pie Chart
- Bar Chart
- Row Chart

dc.leaflet.js

https://dc-js.github.io/dc.js/
Creating an exploratory visualisation

1. Explore Data & Data Features
2. Brainstorm Features / Hypothesis about patterns
3. Roughly Sketch Visual
4. Iteratively Implement Visualisation
5. Observe Users interacting
6. Refine, Test, Release
Data Preparation

1) Extract from ONA / ODK / Kobo in csv

2) Build an R script to
   • Clean, Reformat, Anonymize
   • Generate composite dimension,
   • Output the csv to be used in the viz...

3) Rerun the script when data collection is finalized
1) Load csv in the crossfilter library to convert it into a multidimensional object
2) Define aggregation rules for each dimension use within chart
3) Define charts (type) and associate them with the dimension
Tutorials

https://becomingadatascientist.wordpress.com/tag/dc-js/
http://www.d3noob.org/2013/07/introduction-to-dcjs.html
http://blog.rusty.io/2012/09/17/crossfilter-tutorial/
Thanks!

https://github.com/unhcr-jordan
https://github.com/unhcr-lebanon
https://github.com/unhcr-iraq
https://github.com/unhcr-turkey
https://github.com/unhcr-syria
https://github.com/unhcr-egypt