

## International Organization for Migration (IOM) Displacement Tracking Matrix (DTM)

### Ecuador Earthquake 2016 Site assessments – Round 1

In response to the earthquake in Pedernales, Ecuador, the International Organization for Migration (IOM) is currently implementing the Displacement Tracking Matrix (DTM). DTM Ecuador is collecting information regarding the locations, the numbers, the needs and the vulnerabilities of the population displaced as a result of the earthquake.

This first report of DTM Ecuador presents the main findings derived from the information collected in 76 sites hosting 10 or more displaced families in various regions affected by the earthquake<sup>1</sup>. The evaluation was implemented in different cantons in the provinces of Manabí and Esmeraldas between the 4<sup>th</sup> and 7<sup>th</sup> of May 2016.<sup>2</sup>

This Displacement Tracking Matrix (DTM) implementation in Ecuador is funded by the Government of Canada and the UN Central Emergency Response Fund (CERF).



#### Methodology

The assessment was carried out by three IOM mobile teams with a questionnaire administered to key informants<sup>3</sup> in order to obtain updated information on the conditions of the sites where displaced persons are hosted.

The unit of assessment is a site (i.e. camp, lodgings or collective centers, spontaneous sites and host families) and data from the Ministry of Social and Economic Inclusion (MIES) was used as the basis for identifying the sites on the ground.

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<sup>1</sup> Some of the evaluated sites could have less than 10. Note also that there can be cases of sites hosting 10 or more families which have not been captured by the first evaluation. In future evaluations, DTM will include a greater number of geographical areas in order to provide a more complete view of displacement caused by the earthquake.

<sup>2</sup> Due to the changing conditions of the displaced, it is possible that the numbers and conditions of the sites presented here vary in the coming days (i.e. the number of sites and displaced persons accommodated may be different in future assessments).

<sup>3</sup> Including staff from the Ministry of Social and Economic Inclusion, Armed Forces, community leaders and displaced persons.

The data collected includes, among others:

- Site classification.
- Use of the site before the arrival of displaced population.
- Demographic data of the displaced population.
- Information on vulnerable groups.
- Conditions in the sites and needs by sector (e.g. water, health, food etc.).
- Perceptions of security, privacy and dignity.

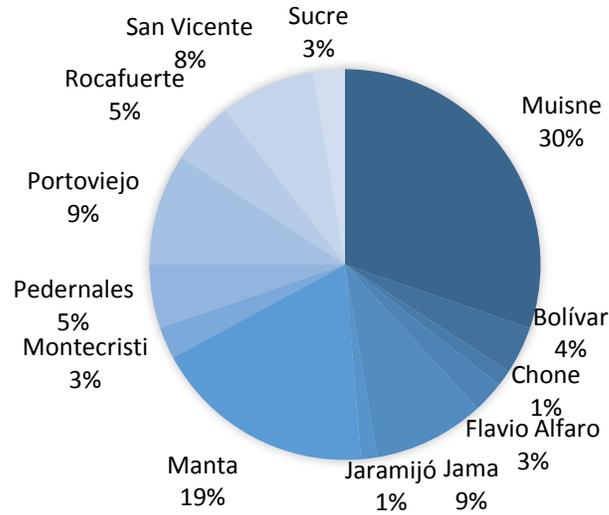
### Assessed provinces and cantons

The majority of assessed sites were in cantons of the Manabí province, Manta standing out with 14 affected sites and Jama and Portoviejo with 7 sites each. The remaining 23 sites are located in the Esmeraldas province in the Muisne canton.

**Table 1. Number of assessed sites by province and canton**

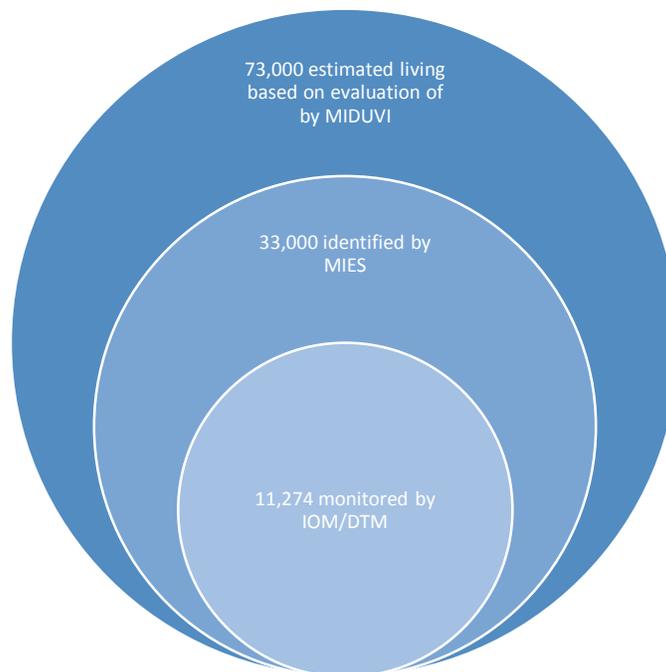
Province	Canton	Number of sites
Esmeraldas	Muisne	23
Manabí	Bolívar	1
	Chone	1
	Flavio Alfaro	4
	Jama	7
	Jaramijó	1
	Manta	14
	Montecristi	2
	Pedernales	4
	Portoviejo	7
	Rocafuerte	4
	San Vicente	6
Sucre	2	
<b>Total</b>		<b>76</b>

**Chart 1. Assesed sites per canton**



### Displaced population

The 76 sites assessed by IOM are currently hosting 2,989 families with a total of 11,274 individuals. As mentioned above, the number includes only families and persons in sites hosting 10 or more families. The number captured by DTM is, thus, smaller than the number reported by MIES and the estimates of the Ministry of Urban Development and Housing (MIDUVI) (based on an assessment of affected homes).

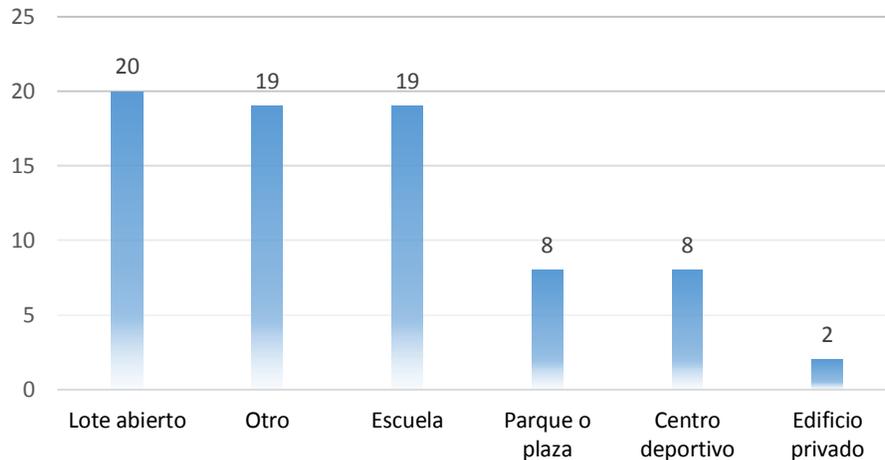




## Use of the sites before displacement

The majority of sites are located in open lots. However, it is important to note that 19 assessed sites – 25% of the total – were used as schools before accommodating the displaced population.

**Chart 2: Site use before displacement**



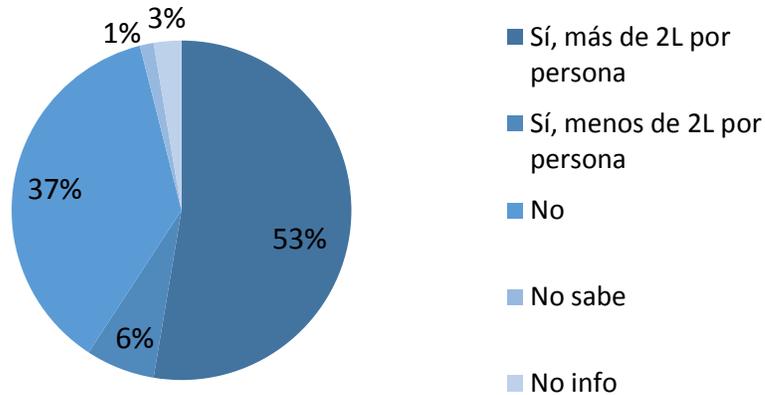
## Water, sanitation and hygiene (WASH)

In terms of WASH, it is important to note that the distribution and quantity of water varies depending on factors such as location of sites (i.e. rural or urban) and the presence of authorities like MIES and the Armed Forces.

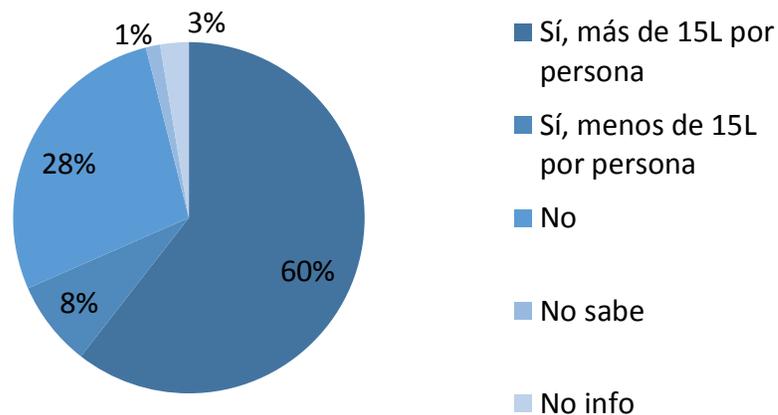
More than 50% of the sites report receiving more than two liters of drinking water per person per day. Nonetheless, around 37% reported that they had received drinking water distributions, while in approximately 6% it was reported that less than two liters of water per person were received.

A similar situation presents itself with regard to water for domestic consumption purposes: the majority of sites evaluated report receiving sufficient water daily, but a considerable number does not receive water or the quantity is insufficient.

**Chart 3. Daily distribution of drinking water**

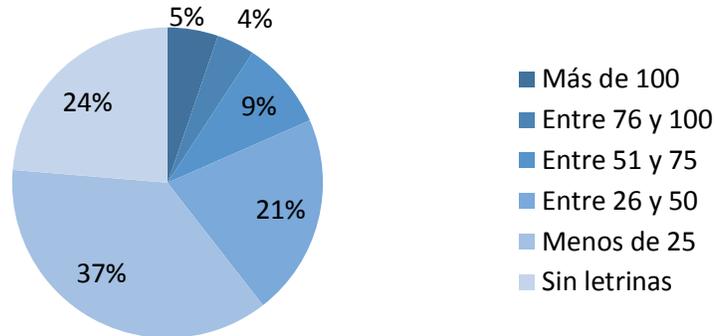


**Chart 4. Daily distribution of water for domestic use**



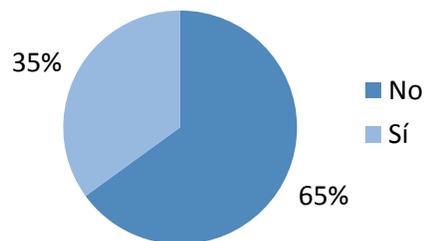
Sites accommodating displaced people in rural areas present deficient and in some cases critical conditions, in terms of equipment for sanitation and hygiene. The number of available latrines in the majority of sites is insufficient and there are sites in which there are no latrines or where the number of persons per latrines is higher than 100: in the evaluated sites, 18 do not have latrines and in 4 there are more than 100 people per latrine.

**Chart5. Number of persons per latrine**

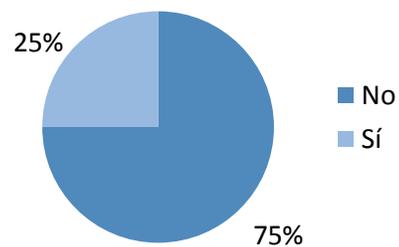


Similarly, it was confirmed that a considerable number of sites do not have latrines/bathrooms and separate bathing areas for men and women.

**Chart 6. Latrines separated for men and women**



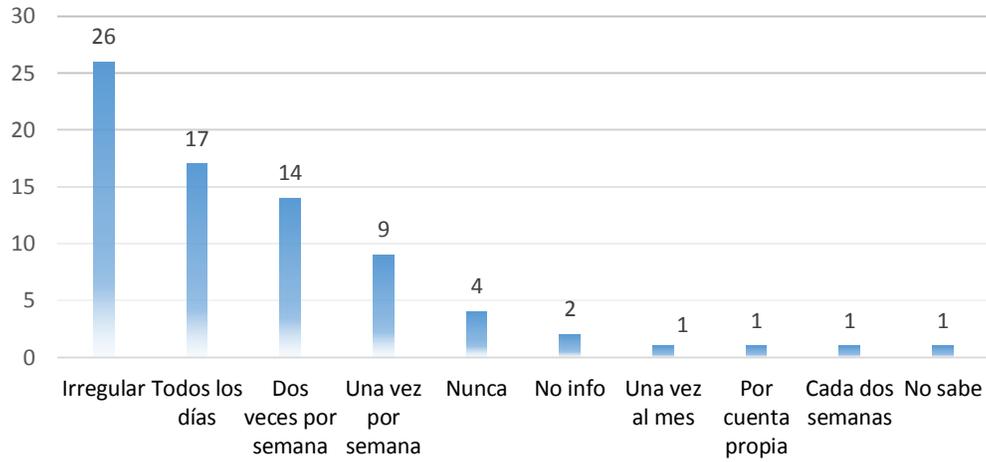
**Chart 7. Shower facilities separated for men and women**



## Diet and nutrition

In terms of diet and nutrition, it is reported that in 34% of the assessed sites food distribution is irregular, meanwhile in 22% it is daily and in 18% it is distributed two times per week. The majority of sites report that there is no distribution of supplementary nutrition to lactating mothers, pregnant women and children.

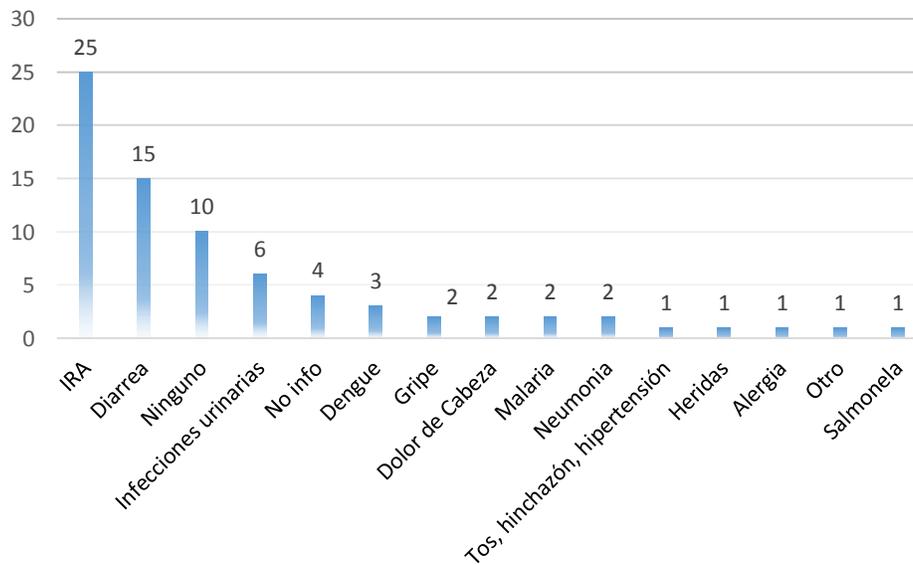
**Chart 8. Frequency of food distributions**



## Health

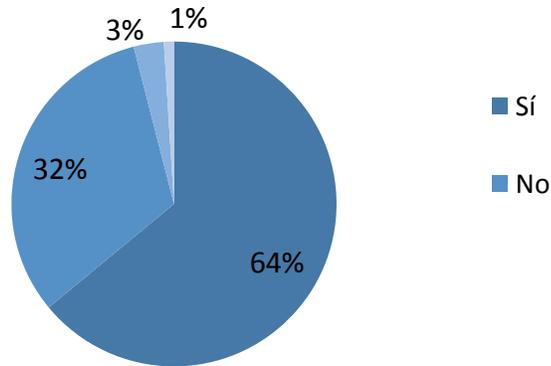
The primary health issue reported in 33% of the sites are acute respiratory infections, while 20% cite diarrhea. Given the sanitation conditions in the majority of visited sites, it is possible that infections will increase in frequency as many interviewees have mentioned the presence of flies and mosquitos is rising.

**Chart 9. Principal health concerns**



Although the majority of sites covered by the assessment have health service points or receive assistance through mobile clinics, 32% of sites reported that the displaced population has no secure Access to health services and installments.

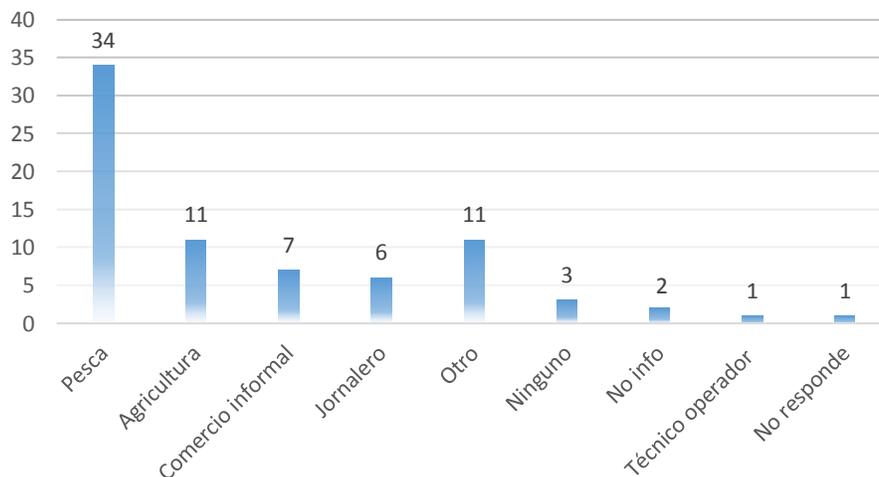
**Chart 10. Secure access to health services and installations**



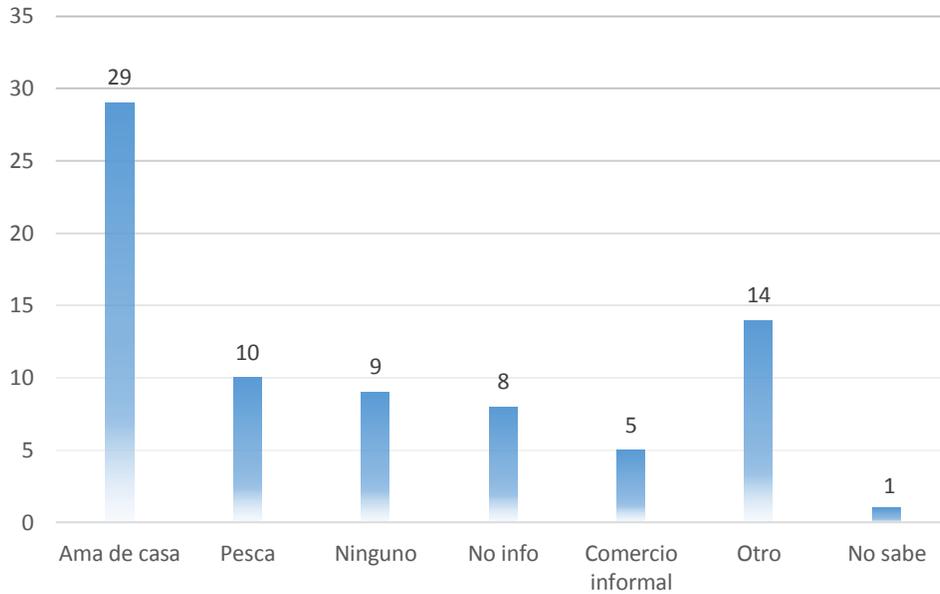
## Livelihoods

Given that the earthquake-affected zones are on Ecuador’s coast, 34 sites (45% of the total) cited fishing as the occupation of the majority of men, with 11 sites (14% of the total) reporting agriculture as men’s main occupation, and 7 sites (9% of the total) reporting the majority of men to be employed in the informal sector. Meanwhile, in 29 of assessed sites (38% of the total) women’s main occupation is in domestic work, with 10 sites (13%) reporting that the majority of women work in fishing.

**Chart 11. Principal occupation of men in assessed sites**

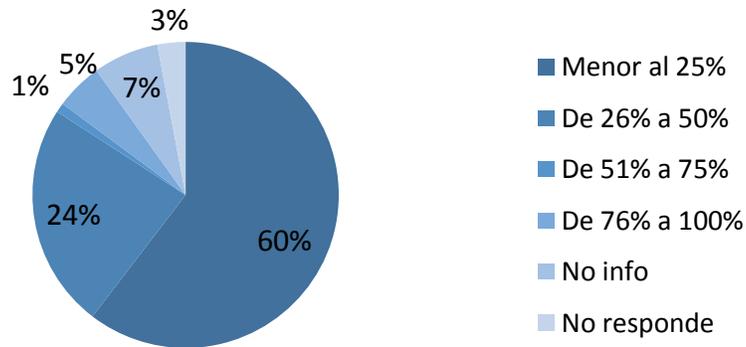


**Chart 12. Principal occupation of women in assessed sites**



In 60% of assessed sites it was reported that less than 25% of households currently have access to income-generating activities, with fishing activities in the zone affected by the earthquake.

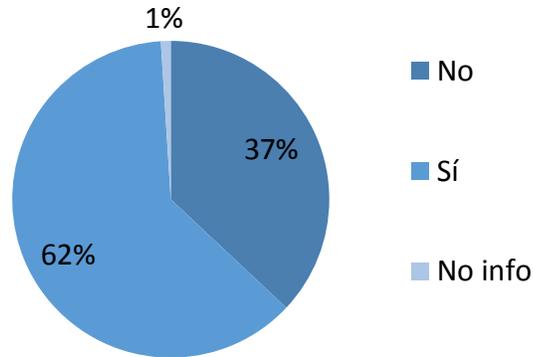
**Chart 13. Percentage of households with access to income-generating activities**



### Security, dignity and privacy

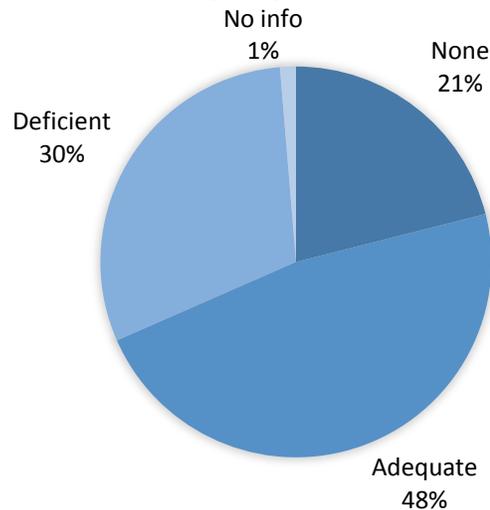
The majority of assessed sites did not report significant security issues. This is largely due to the frequent presence of police and army in or nearby displacement sites. Nevertheless, 37% of assessed sites reported that there is no permanent presence of security forces.

**Chart 14. Permanent security presence on site**



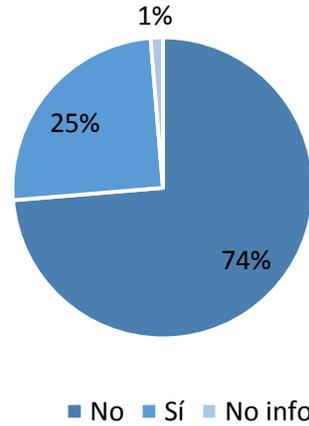
It is also noteworthy that a significant number of assessed sites reported not having lighting in communal areas or, where lighting exists, that it is insufficient. Less than half of the assessed sites have adequate lighting in communal areas.

**Chart 15. Lighting in communal areas**



Meanwhile, in 25% of assessed sites did key informants confirm that there are places on site which women and girls prefer to avoid.

**Chart 16. Prevalence of areas which women and girls tend to avoid**



**Access to Information**

In 22 assessed sites (29% of the total) the displaced population mentioned more information about access to humanitarian assistance as the primary information need, whilst in 9 sites (12% of the total) they expressed a primary wish for more information about security, and in 7 sites (9% of the total) more information about the situation in areas of origin was considered most important.

**Chart 17. Additional information which would be useful**

