

DREF operation



International Federation
of Red Cross and Red Crescent Societies

Mexico: Dengue Outbreak

DREF operation n° MDRMX004
GLIDE n°EP-2009-000249-MEX
26 November 2009

The International Federation's Disaster Relief Emergency Fund (DREF) is a source of un-earmarked money created by the Federation in 1985 to ensure that immediate financial support is available for Red Cross and Red Crescent response to emergencies. The DREF is a vital part of the International Federation's disaster response system and increases the ability of national societies to respond to disasters.

CHF 86,724 (USD 85,811 or EUR 57,394) has been allocated from the Federation's Disaster Relief Emergency Fund (DREF) to support the Mexican Red Cross in delivering immediate assistance to some 6,000 families. Un-earmarked funds to repay DREF are encouraged.

Summary: During this year Mexico has been affected by a dengue outbreak as a result of floods, especially in the states of Veracruz, Tabasco and Jalisco. According to the Epidemiological Surveillance Single Information System (Sistema Único para la Vigilancia Epidemiológica – SINAVE, Mexico) reports that 41,687 dengue cases; which is a 30 per cent increase from last year. This DREF Bulletin is

focused in providing 6,000 families with long lasting insectized-treated mosquito nets targeting the elderly and families with children under five years old. In addition, the National Society will implement an awareness-raising campaign to disseminate dengue prevention messages to the population in the states of Tabasco, Veracruz, Jalisco, Nayarit, Guerrero and Quintana Roo.

This operation is expected to be implemented over three months, and will therefore be completed by 25 February 2009; a final report will be made available three months after the end of the operation (by 25 May 2009).

[<Click here for the DREF budget, here for contact details, or here to view the map of the affected area>](#)



Floods in Huimanguillo, in the state of Tabasco, Mexico.
Source: Mexican Red Cross

The situation

After torrential rains and flooding in October 2009 in the states of Tabasco, Veracruz, Jalisco, Nayarit, Guerrero and Quintana Roo, number of Aedes Aegypti mosquitoes have rocketed which has triggered

serious dengue outbreaks.. Dengue is a mosquito-borne infection that causes a severe flu-like illness, and sometimes a potentially lethal complication called dengue haemorrhagic fever.

During 2009, the Mexican Epidemiological Surveillance Single Information System (Sistema Único para la Vigilancia Epidemiológica – SINAVE, Mexico) reports that 41,687 dengue cases have been confirmed which represents a 30 per cent increase from last year. A total of 7,898 of these cases have been confirmed to be dengue hemorrhagic fever. Studies have shown there are an additional 11,222 unconfirmed cases being studied.

According to the Health Secretariat, the table below shows the number of reported cases in some of the affected states in Mexico:

State	N° of cases
Veracruz	5,341
Nayarit	4,736
Guerrero	3,933
Jalisco	3,823
Michoacán	3,585

Therefore, the Mexican health authorities are focusing particularly in the states of Veracruz and Tabasco which were affected by intense rains caused by the effects of Hurricane Ida that flooded thousands of hectares of crops and left thousands of people without homes. Both states have been affected by high concentration of mosquitoes which have caused the increase of dengue cases. Dengue is spread by the day-biting mosquito *Aedes Aegypti* which breeds in stagnant water. Authorities started fumigation activities in Tabasco and Veracruz, located in the eastern region of the country. The Mexican Red Cross, in coordination with local authorities, is assessing the areas in order to provide more detailed information.

The Mexican government has been providing support to the affected communities. On 18 November, health authorities informed that medical workers started to carry out fumigation activities in the two aforementioned states. A total of 120 medical workers have been deployed to fumigate the areas. Moreover, Mexico's Interior Ministry has declared a state of emergency in some municipalities in these two states.

Coordination and partnerships

The Mexican Red Cross has been working closely with Mexican authorities, especially with the Health Secretariat. Local health authorities in the states of Veracruz and Tabasco have started cleaning and fumigation activities to control the vector. The Mexican Red Cross has drawn up a plan of action that includes activities that will be coordinated with governmental institutions (municipalities and health authorities) and non-governmental organizations.



Since the beginning of the emergency, the Mexican Red Cross has been coordinating with the International Federation's Pan American Disaster Response Unit (PADRU) for technical support in the emergency response. The National Society has also been in contact with the Federation's Regional Representation for Central America and Mexico.

Red Cross and Red Crescent action

The National Relief Directorate of the Mexican Red Cross has been responding to the emergency through the local branches in the affected areas since the beginning of the emergency. The National Society has dispatched a total of 2,000 mosquito nets to Tabasco that will be distributed in the municipalities of Cardenas and Huimanguillo. These municipalities were identified as the most affected by the floods due to the intense rains.

The Mexican Red Cross plans to carry out an awareness-raising campaign in the six most affected states with more than 350 volunteers that will conduct the dengue prevention activities. The activities include distribution of mosquito long lasting insectized-treated nets, posters and informational material in schools, educational centres, homes for the elderly, public places and hospitals (especially the ones located in hard-to-reach areas). The MRC volunteers will also carry out community talks disseminating messages on dengue prevention measures, safe water handling and cleaning of mosquito breeding grounds.

The needs

Selection of people to be reached:

Due to the high number of dengue fever cases reported, the immediate needs identified by the Mexican Red Cross are: a) distribution of mosquito long lasting insectized-treated nets in selected areas and families as mentioned above; and b) the implementation of a dengue awareness campaign in the states of Tabasco, Veracruz, Jalisco, Nayarit, Guerrero and Quintana Roo.

The proposed operation

The Mexican Red Cross (MRC) drafted a plan of action that will include the distribution of 12,000 long lasting insectized-treated mosquito nets (for 6,000 families) and a dengue awareness-raising campaign. This campaign will include the dissemination of posters, prevention manuals and visibility material with dengue prevention measures in schools, hospitals and public places. This plan of action therefore targets the communities most affected by the dengue outbreak. The selected communities will be defined once the National Society completes further assessments.

This operation will also cover operational costs of the National Society related to the objectives.

Global objective

To improve the living conditions of the population affected by dengue and to prevent the spread of the disease.

Relief distributions (non-food items)
Objective: 6,000 families will benefit from mosquito nets to reduce dengue transmission.
Activities planned: <ul style="list-style-type: none">• Conduct rapid emergency needs and capacity assessments.• Identification of beneficiary families.• Develop beneficiary targeting strategy and registration system to deliver intended assistance.• Distribute mosquito nets and control supply movements from point of dispatch to end user.• Monitor and evaluate the distributions and provide reporting on relief distributions.• Develop an exit strategy.

The places of distribution of the mosquito nets will be chosen based on the following criteria:

- Educational centres
- Daycare centres
- Homes for the elderly
- Elderly, families with children under five years old, people living with disabilities or other people that by their condition needs to be laying down in bed during day-hours.

The communities will be selected once the Mexican Red Cross completes the assessments in the affected states.

Hygiene promotion

Objective: Increased awareness and prevention of dengue through the description of symptoms to the most vulnerable through an awareness-raising campaign and distribution of informational material.

Activities planned

- Coordination with governmental and non-governmental authorities (Health Secretariat).
- Designing of visibility material for community distribution (posters and manuals).
- Identification of community activities and carry out volunteer activities with the communities.
- Identification of volunteers to participate in training workshops "Únete a la lucha contra el Dengue" (Join the fight against dengue) campaign.
- 350 volunteers will be assigned to the dengue awareness campaign.
- Identification and selection of beneficiaries.
- Carry out sensitizing community talks, distribution of informative material in the communities, hygiene promotion campaigns, safe water handling, vector control and cleaning of mosquito breeding grounds.
- Distribution of 10,000 posters in each state (60,000 posters).
- Monitoring and evaluation of activities.

The campaign will be implemented in the states of Tabasco, Veracruz, Jalisco, Nayarit, Guerrero and Quintana Roo. The Mexican Red Cross will establish through its Communication department, a reporting system to disseminate to the media all activities implemented. Interviews will be carried out with the doctors and volunteers carrying out the campaign to also share with the media. In addition, press releases will be published as well as web stories on the progress of the operation.

How we work

All International Federation assistance seeks to adhere to the [Code of Conduct for the International Red Cross and Red Crescent Movement and Non-Governmental Organizations \(NGO's\) in Disaster Relief](#) and is committed to the [Humanitarian Charter and Minimum Standards in Disaster Response \(Sphere\)](#) in delivering assistance to the most vulnerable.

The International Federation's activities are aligned with its Global Agenda, which sets out four broad goals to meet the Federation's mission to "improve the lives of vulnerable people by mobilizing the power of humanity".

Global Agenda Goals:

- Reduce the numbers of deaths, injuries and impact from disasters.
- Reduce the number of deaths, illnesses and impact from diseases and public health emergencies.
- Increase local community, civil society and Red Cross Red Crescent capacity to address the most urgent situations of vulnerability.
- Reduce intolerance, discrimination and social exclusion and promote respect for diversity and human dignity.

Contact information

For further information specifically related to this operation please contact:

- **In Mexico:** Isaac Oxenhaut Gruuzco, Relief Director, Mexican Red Cross; phone (52) 55 36 27 08 94; e-mail desastres@cruzrojamexicana.org.mx.
- **In Panama:** Fabricio López, Regional Representative for Central America and Mexico; email: fabricio.lopez@ifrc.org; phone: (507) 380 0250; fax: (507) 317 1304.
- **In Panama:** Mauricio Bustamante, Acting Head of the Pan American Disaster Response Unit, email: mauricio.bustamante@ifrc.org; phone: (507) 316 001; fax: (507) 316 1082.
- **In Panama:** Francisco Maldonado, disaster management delegate of the Pan American Disaster Response Unit, email: francisco.maldonado@ifrc.org; phone: (507) 316 001; fax: (507) 316 1082.
- **In Panama:** María Alcázar, Resource Mobilization Coordinator for the Americas; email: maria.alcazar@ifrc.org; phone: 380 0250; fax: (507) 317 1304.
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[<DREF budget and map below; click here to return to the title page>](#)

DREF OPERATION BUDGET SUMMARY
MEXICO DENGUE 2009

Annex 1
MDRMX004

BUDGET CHF

RELIEF NEEDS

Shelter	
Construction Materials	
Clothing & Textiles	54,859
Food	
Seeds & Plants	
Water & Sanitation	
Medical & First Aid	
Teaching Materials	
Utensils & Tools	
Other Supplies & Services	
Total Relief Needs	54,859

CAPITAL EQUIPMENT

Land & Buildings	
Vehicles Purchase	
Computers & Telecom Equipment	
Office/Household Furniture & Equip.	
Medical Equipment	
Other Machinery & Equipment	

TRANSPORT, STORAGE & VEHICLES

Storage - Warehouse	
Distribution & Monitoring	5,715
Transport & Vehicles Costs	
Service fee & Recovery	3,247

PERSONNEL

International Staff	
Regionally Deployed Staff	
National Staff	
National Society Staff	2,102
Consultants	

WORKSHOPS & TRAINING

Workshops & Training	
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GENERAL EXPENSES

Travel	
Information & Public Relations	10,016
Office running costs	520
Communication Costs	312
Professional Fees	
Financial Charges	4,317
Other General Expenses	

PROGRAMME SUPPORT

Programme Support - PSR	5,637
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Total Operational Needs **31,864**

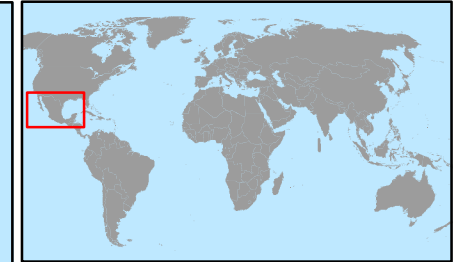
DREF ALLOCATION **86,724**



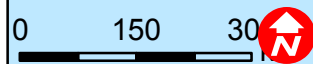
International Federation of Red Cross and Red Crescent Societies
Fédération internationale des Sociétés de la Croix-Rouge et du Croissant-Rouge
Federación Internacional de Sociedades de la Cruz Roja y de la Media Luna Roja
الاتحاد الدولي لجمعيات الصليب الأحمر والهلال الأحمر

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Mexico: Dengue



- ★ Capitals
- Cities
- Rivers
- Lakes
- ▨ Affected areas



The maps used do not imply the expression of any opinion on the part of the International Federation of the Red Cross and Red Crescent Societies or National Societies concerning the legal status of a territory or of its authorities.
Map data sources: ESRI, DEVINFO, GRUMP, International Federation, MDRMX004.mxd