

# HERRAMIENTAS Y APLICACIONES MÓVILES DE NLM PARA LA PREPARACIÓN Y RESPUESTA ANTE DESASTRES

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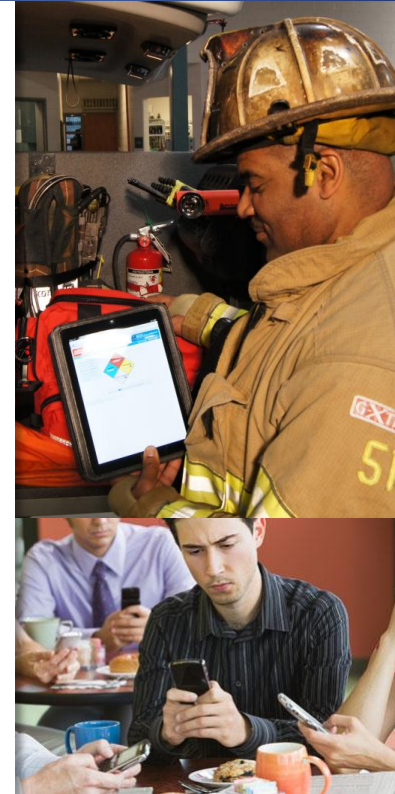
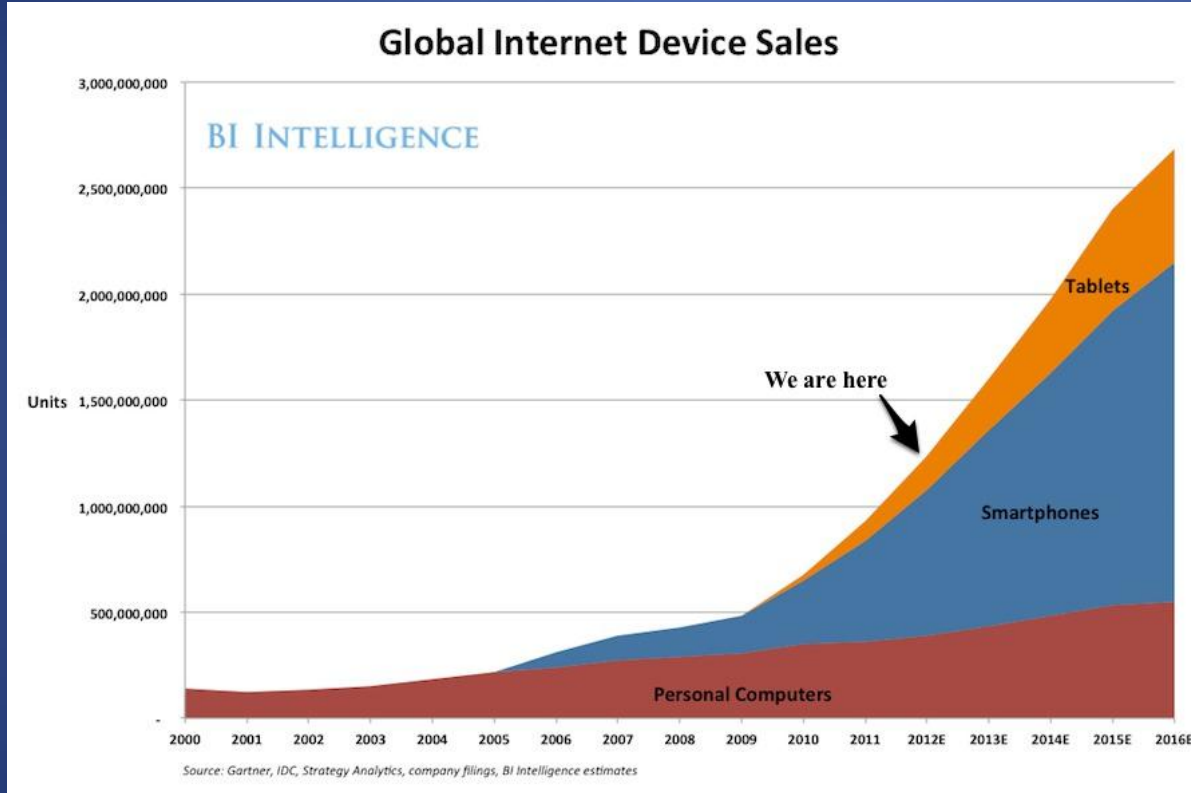


# Herramientas en el contexto de NLM

- NLM recopila, organiza y disemina información biomédica, realiza investigación en ciencias y tecnologías de la información y desarrolla sus propios productos y servicios.
- *Centro de Investigación en Gestión de Información sobre Desastres (DIMRC).*
- Algunas aplicaciones han sido especialmente adaptadas para **dispositivos móviles**.



# Creciente Interés en Dispositivos Móviles



## mHealth

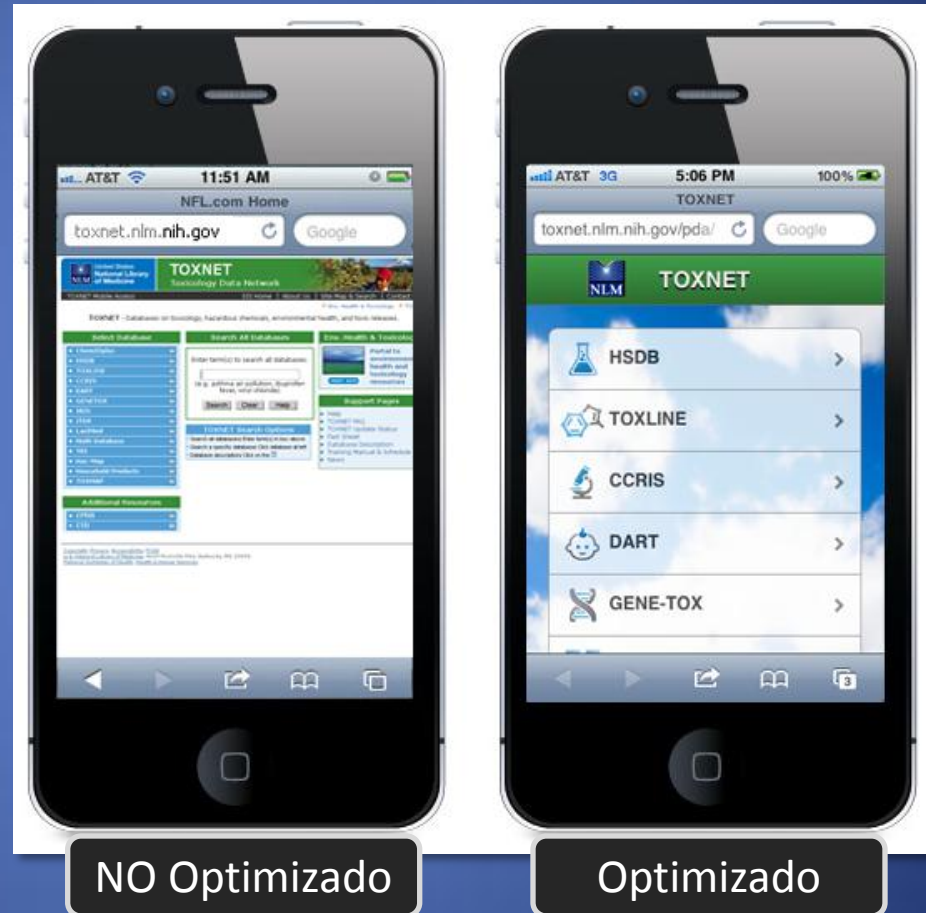
# Tipos de aplicaciones (Apps) móviles

- Sitios web optimizados para dispositivos móviles
- Aplicaciones nativas fuera de línea
- Aplicaciones híbridas

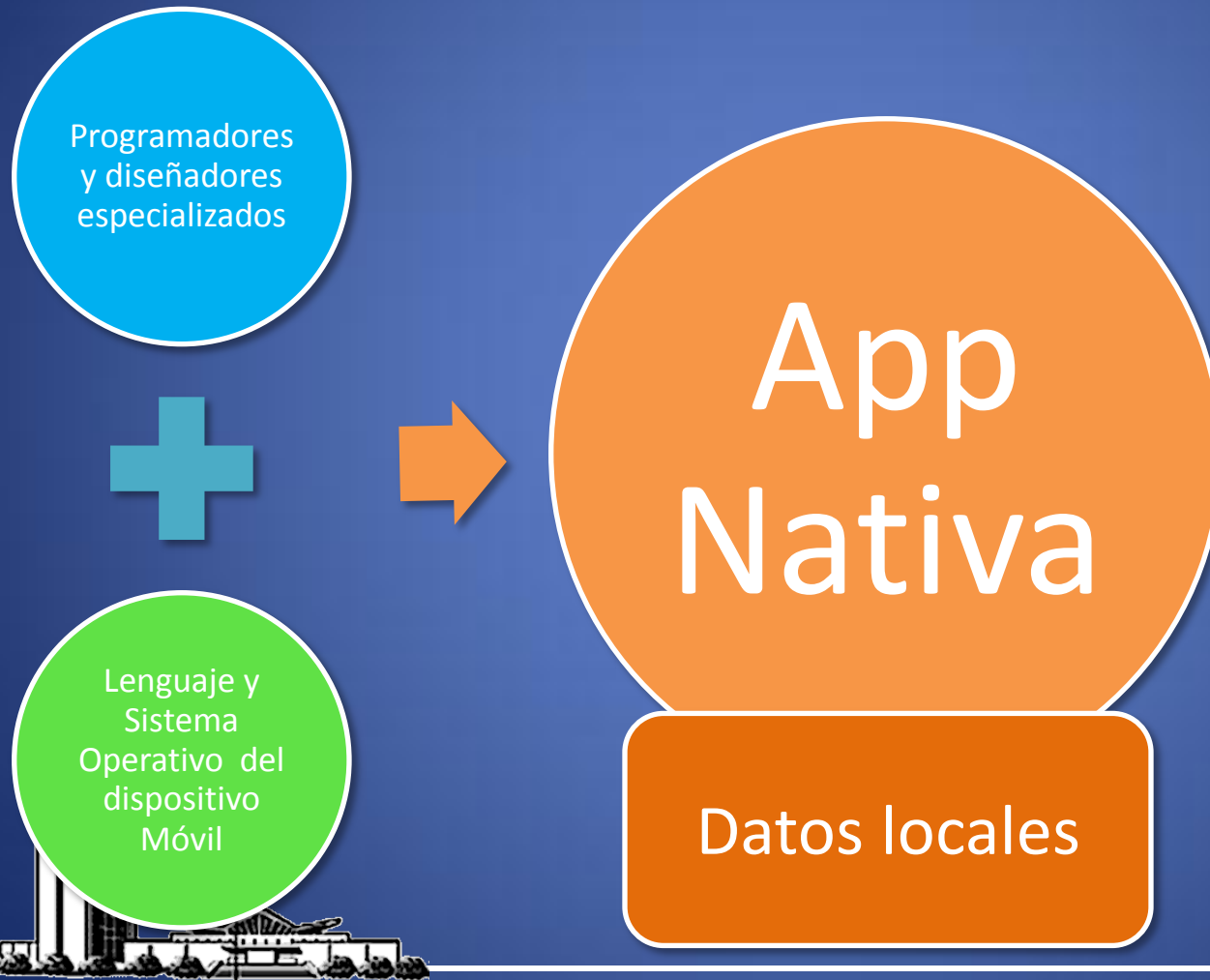


# Sitios Web Optimizados para Móviles

Requieren uso de navegador Web (i.e., generalmente requieren una conexión al Internet).



# Aplicaciones Nativas Fuera de Línea

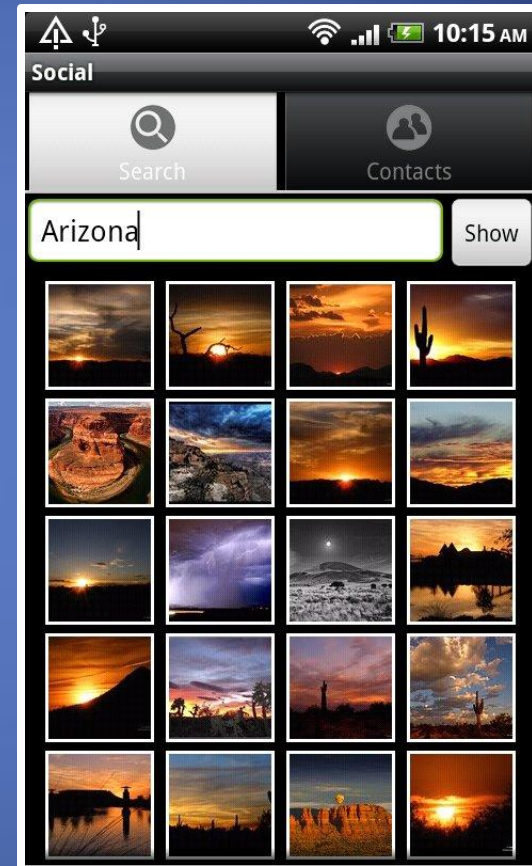


No requieren conexión al Internet.



# Aplicaciones híbridas

Aplicaciones nativas que requieren conexión al internet para algunas de sus funciones.



# Sitio Web de Aplicaciones y Páginas Optimizadas de la NLM para Desastres



<http://sis.nlm.nih.gov/dimrc/disasterapps.html>

U.S. Department of Health & Human Services [www.hhs.gov](http://www.hhs.gov)

**Disaster Information Management Research Center** National Library of Medicine  
 IMPROVING ACCESS TO DISASTER HEALTH INFORMATION National Institutes of Health  
 SPECIALIZED INFORMATION SERVICES NLM


SIS Home | About Us | Site Map & Search | SIS News | Contact Us

SIS Home > DIMRC

Text size: [S](#) [M](#) [L](#) [XL](#)  
[Bookmark and share](#)

## Disaster Apps and Mobile Optimized Web Pages

Disaster Medicine Tools  
 Disaster Resources  
 Information about Hazardous Events and Disasters  
 Other Apps and Tools  
 Selection Guidelines for Non-National Library of Medicine Resources








Mobile connect to this page.

**Notes for using this Web page:**  
 The tools on this page are designed to provide mobile device users access to Web-based content. They are developed to run on specific mobile platforms, such as iOS (iPhone), Android or Blackberry.

- **Native or standalone apps** deliver content to a mobile device and do not require Internet connectivity to view and use the content. On this Web page these types of apps are indicated by its platform name.
- **Web Apps** link a mobile device user to content that requires Internet connectivity to access and use.
- **Mobile Web** is a link to a mobile optimized or mobile enhanced Web site, which is a reformatted version of a Web site that is easier to read on a mobile device.

**Disaster Medicine Tools**

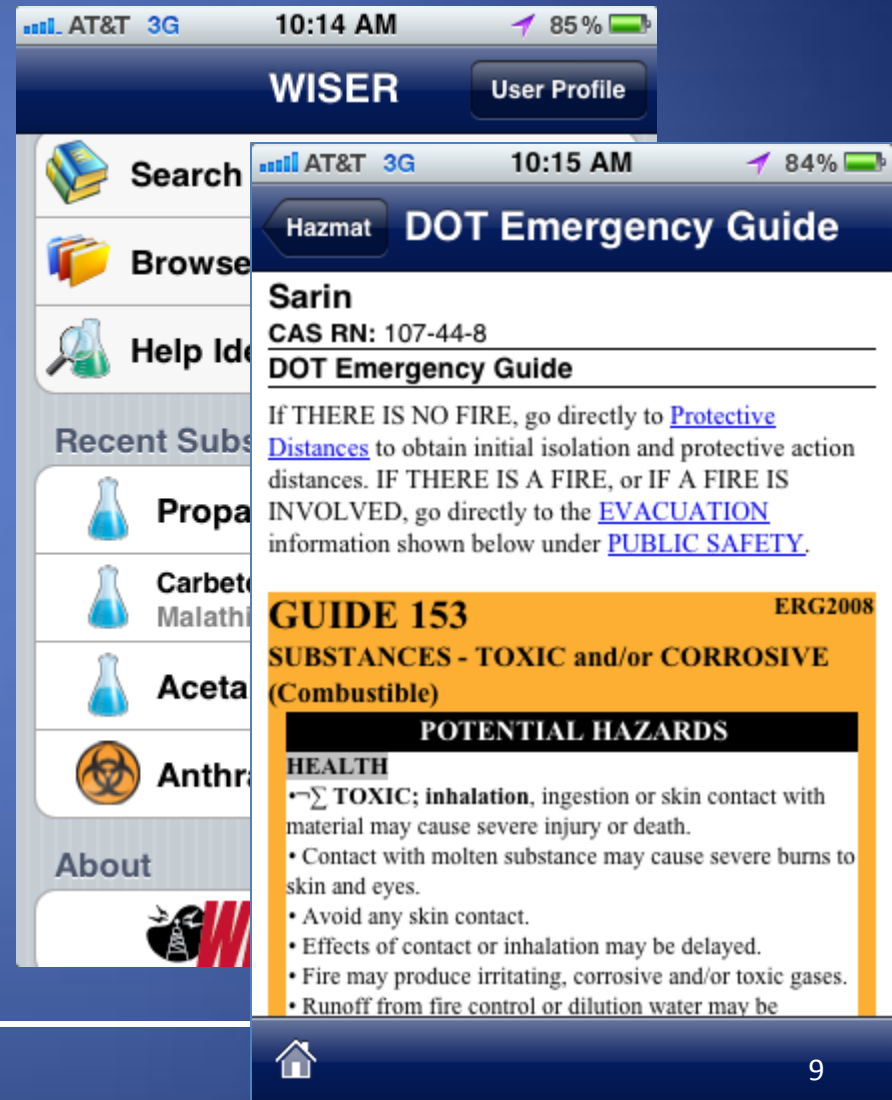
Icon	Mobile Access	Description
	<b>WISER</b> iPhone Android Blackberry Web App WebWISER	<b>WISER</b> (Wireless Information System for Emergency Responders) from the National Library of Medicine assists first responders in Hazmat incidents, with features including substance identification support, containment and suppression advice, and medical treatment information.
	<b>REMM</b> iPhone Android Mobile Web	<b>REMM</b> (Radiation Emergency Medical Management) from the National Library of Medicine provides guidance about clinical diagnosis and treatment of radiation injuries during radiological and nuclear emergencies.
	<b>MedlinePlus</b> Mobile Web	<b>MedlinePlus</b> mobile enhanced web page from the National Library of Medicine provides access to consumer-oriented health information on disaster topics in English and Spanish.
	<b>PubMed</b> Mobile Web PubMed for Handhelds	<b>PubMed Mobile</b> from the National Library of Medicine provides access to more than 21 million citations for biomedical literature from MEDLINE, life science journals, and online books.
	<b>LactMed</b> iPhone Android	<b>LactMed</b> from the National Library of Medicine app provides access information about maternal and infant drug levels and possible effects of vaccines and radiologic agents on lactation and on breastfed infants.





# WISER

- Cómo responder a accidentes químicos, radiológicos y biológicos.
- Puede ayudar a identificar agente.
- App nativa o híbrida y sitio web optimizado.
- iOS, Android, BlackBerry.
- También Windows, Web.



**WISER** User Profile

Search  
Browse  
Help Id

Recent Subs

- Propa
- Carbet Malath
- Aceta
- Anthr

About

**Hazmat DOT Emergency Guide**

**Sarin**  
CAS RN: 107-44-8  
DOT Emergency Guide

If THERE IS NO FIRE, go directly to [Protective Distances](#) to obtain initial isolation and protective action distances. IF THERE IS A FIRE, or IF A FIRE IS INVOLVED, go directly to the [EVACUATION](#) information shown below under [PUBLIC SAFETY](#).

**GUIDE 153** ERG2008  
SUBSTANCES - TOXIC and/or CORROSIVE (Combustible)

**POTENTIAL HAZARDS**

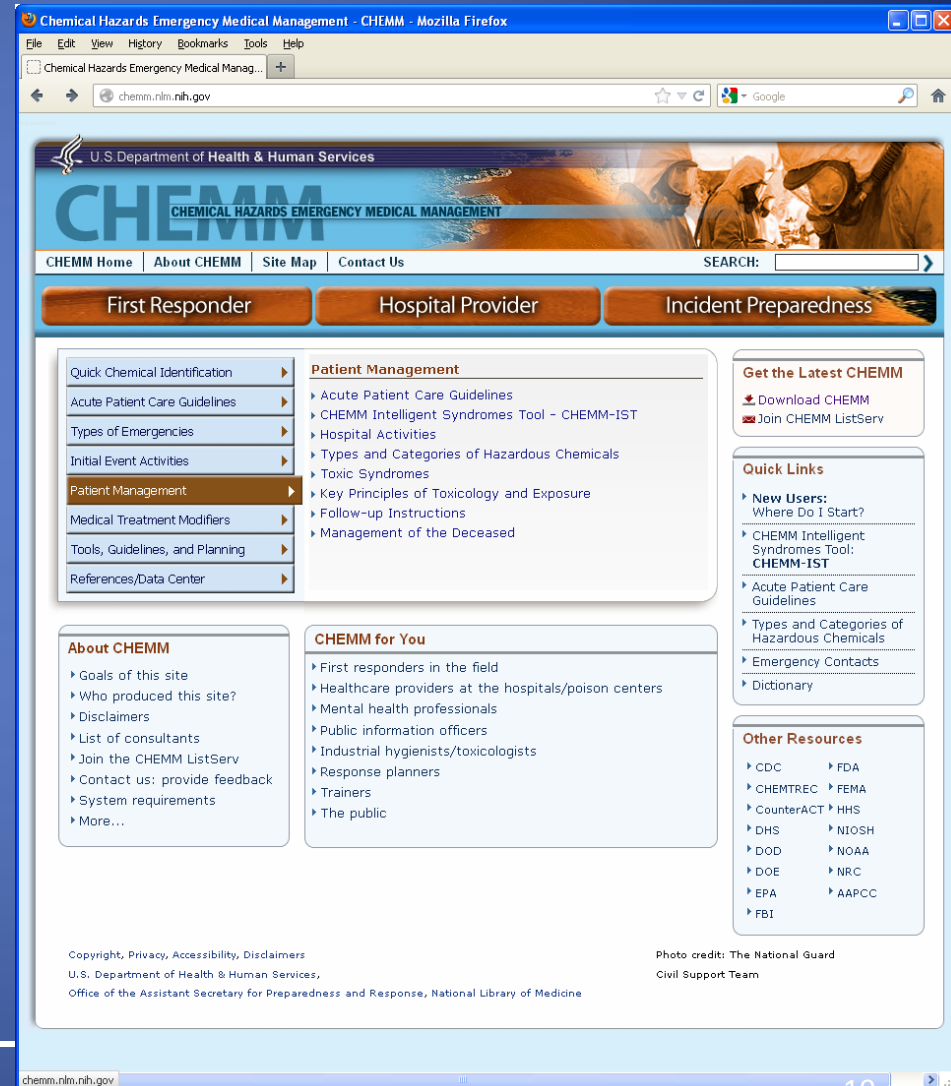
**HEALTH**

- $\Sigma$  TOXIC; inhalation, ingestion or skin contact with material may cause severe injury or death.
- Contact with molten substance may cause severe burns to skin and eyes.
- Avoid any skin contact.
- Effects of contact or inhalation may be delayed.
- Fire may produce irritating, corrosive and/or toxic gases.
- Runoff from fire control or dilution water may be



# CHEMM

- No es un App todavía, pero será incorporado en WISER.
- Atención a emergencias químicas de múltiples víctimas.
- Puede ser bajado y usado fuera de línea en PCs con Windows y Mac OS.

Chemical Hazards Emergency Medical Management - CHEMM - Mozilla Firefox

chemm.nlm.nih.gov

U.S. Department of Health & Human Services

## CHEMM

CHEMICAL HAZARDS EMERGENCY MEDICAL MANAGEMENT

CHEMM Home | About CHEMM | Site Map | Contact Us

SEARCH:

First Responder | Hospital Provider | Incident Preparedness

**Quick Chemical Identification**

- Acute Patient Care Guidelines
- Types of Emergencies
- Initial Event Activities
- Patient Management**
- Medical Treatment Modifiers
- Tools, Guidelines, and Planning
- References/Data Center

**Patient Management**

- Acute Patient Care Guidelines
- CHEMM Intelligent Syndromes Tool - CHEMM-IST
- Hospital Activities
- Types and Categories of Hazardous Chemicals
- Toxic Syndromes
- Key Principles of Toxicology and Exposure
- Follow-up Instructions
- Management of the Deceased

**Get the Latest CHEMM**

- Download CHEMM
- Join CHEMM ListServ

**Quick Links**

- New Users: Where Do I Start?
- CHEMM Intelligent Syndromes Tool: CHEMM-IST
- Acute Patient Care Guidelines
- Types and Categories of Hazardous Chemicals
- Emergency Contacts
- Dictionary

**About CHEMM**

- Goals of this site
- Who produced this site?
- Disclaimers
- List of consultants
- Join the CHEMM ListServ
- Contact us: provide feedback
- System requirements
- More...

**CHEMM for You**

- First responders in the field
- Healthcare providers at the hospitals/poison centers
- Mental health professionals
- Public information officers
- Industrial hygienists/toxicologists
- Response planners
- Trainers
- The public

**Other Resources**

- CDC
- CHEMTRAC
- CounterACT
- DHS
- DOD
- DOE
- EPA
- FBI
- FDA
- FEMA
- HHS
- NIOSH
- NOAA
- NRC
- AAPCC

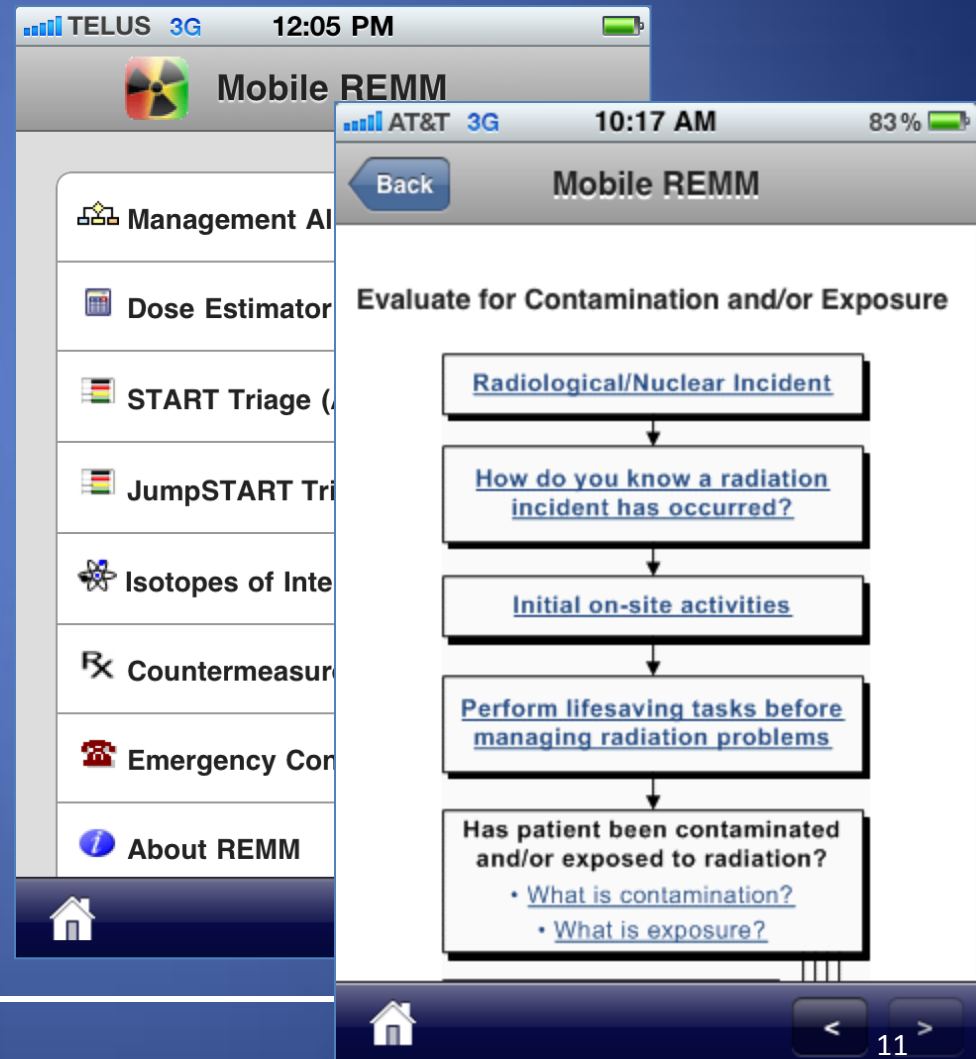
Copyright, Privacy, Accessibility, Disclaimers  
U.S. Department of Health & Human Services,  
Office of the Assistant Secretary for Preparedness and Response, National Library of Medicine

Photo credit: The National Guard Civil Support Team

chemm.nlm.nih.gov

# REMM

- Respuesta médica a emergencias radiológicas.
- App nativa.
- iOS, Android, BlackBerry, Windows mobile.
- También en Windows y Web.

TELUS 3G 12:05 PM

Mobile REMM

- Management Al
- Dose Estimator
- START Triage (
- JumpSTART Tri
- Isotopes of Inte
- Countermeasur
- Emergency Con
- About REMM

AT&T 3G 10:17 AM 83%

Mobile REMM

Evaluate for Contamination and/or Exposure

[Radiological/Nuclear Incident](#)

↓

[How do you know a radiation incident has occurred?](#)

↓

[Initial on-site activities](#)

↓

[Perform lifesaving tasks before managing radiation problems](#)

↓

Has patient been contaminated and/or exposed to radiation?

- [What is contamination?](#)
- [What is exposure?](#)

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# ReUNITE

- Para subir y buscar información sobre personas perdidas en servicio *People Locator* de la NLM.
- App híbrida.
- iOS y Web.
- Información queda disponible en sitio web.




People Locator - Mozilla Firefox


File Edit View History Bookmarks Tools Help

People Locator

https://pl.nlm.nih.gov/hepl/search#searchAll

Google


**People Locator for the Haiti Earthquake**  
 of January 12, 2010  
 U.S. National Library of Medicine  
 Lister Hill National Center for Biomedical Communications


 Login or Register

**Search for a Person**  
 Report a Person  
 Help  
 Links

**Search Options**  
**Sort By**  
 Relevance

**Mode**  
 Hands Free





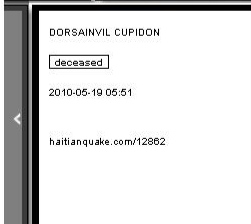
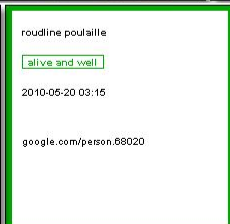

**Status**  
 **Missing** 24,973  
 **Alive and Well** 4,794  
 **Injured** 0  
 **Deceased** 128  
 **Unknown** 23,259  
 **Found** 2,013

**Gender**  
 **Male** 16,544  
 **Female** 17,514  
 **Complex** 0  
 **Unknown** 21,109

**Age**  
 **Youth (0-17)** 3,217  
 **Adult (18+)** 30,226  
 **Unknown** 21,724

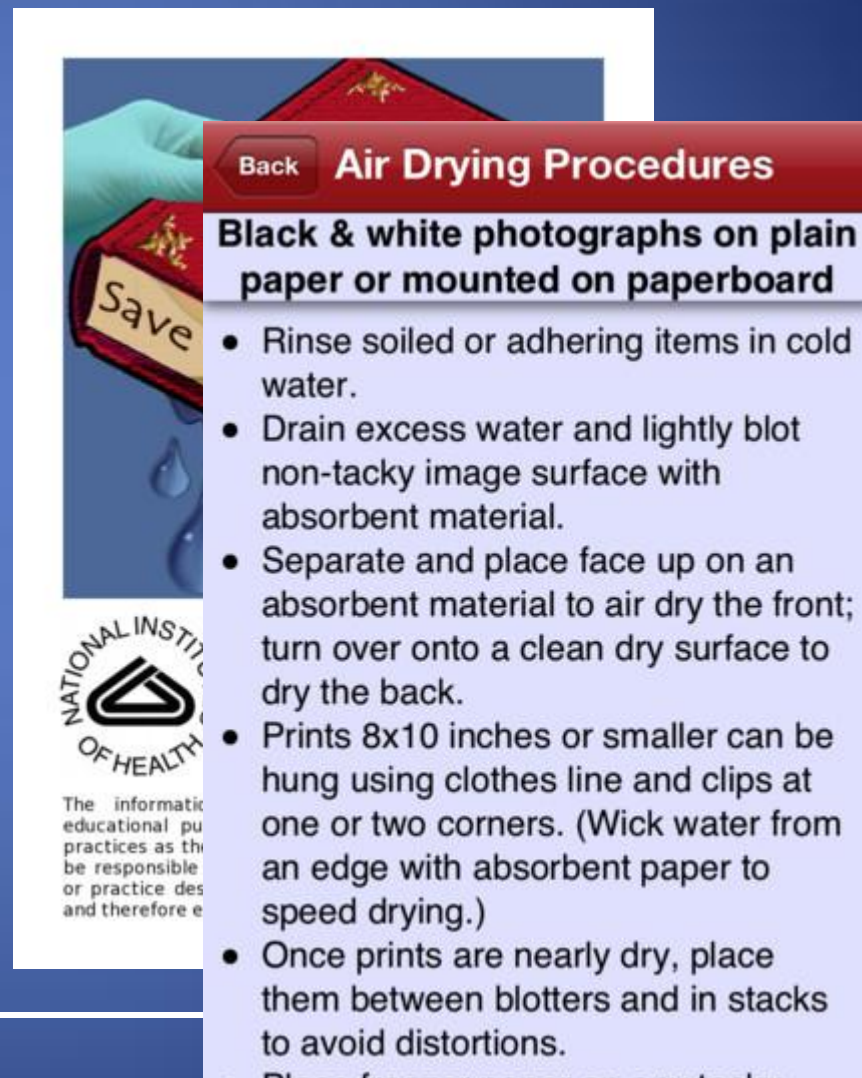
Enter a name...

Found 55167 out of 55,167 records in 2.319 seconds | Last updated: 2012-10-11 17:02:16 UTC

 JUDELIN L. ORVIL	 carline delone <input type="text" value="Unknown"/> 2010-05-22 04:21 google.com/person.2151
 MARIE YOLENE BADIO	 Gilberta Guillaume <input type="text" value="Unknown"/> 2010-05-21 23:44 google.com/person.1690016
 DORSAINVIL CUPIDON <input type="text" value="deceased"/> 2010-05-19 05:51 haitianquake.com/12862	 routine poutaille <input type="text" value="alive and well"/> 2010-05-20 03:15 google.com/person.68020
	 ismail faith ceylan

# Respuesta a Inundaciones en Bibliotecas

- Recomendaciones para recuperar colecciones de bibliotecas después de inundaciones.
- Aplicación híbrida y sitio web optimizado.
- iOS.



The screenshot shows a mobile application interface. At the top, there is a red header bar with a 'Back' button and the title 'Air Drying Procedures'. Below the header, the main content area has a white background with a red border. It features a sub-header: 'Black & white photographs on plain paper or mounted on paperboard'. Underneath, there is a list of six bullet points providing detailed instructions for the air-drying process. On the left side of the screenshot, there is a partial view of a red book cover with a 'Save' label and a hand holding it. At the bottom left, there is a logo for the 'NATIONAL INSTITUTE OF HEALTH' and some partially visible text below it.

**Back** Air Drying Procedures

**Black & white photographs on plain paper or mounted on paperboard**

- Rinse soiled or adhering items in cold water.
- Drain excess water and lightly blot non-tacky image surface with absorbent material.
- Separate and place face up on an absorbent material to air dry the front; turn over onto a clean dry surface to dry the back.
- Prints 8x10 inches or smaller can be hung using clothes line and clips at one or two corners. (Wick water from an edge with absorbent paper to speed drying.)
- Once prints are nearly dry, place them between blotters and in stacks to avoid distortions.











NATIONAL INSTITUTE OF HEALTH

The informatic educational pu practices as th be responsible or practice des and therefore e



# TOXNET

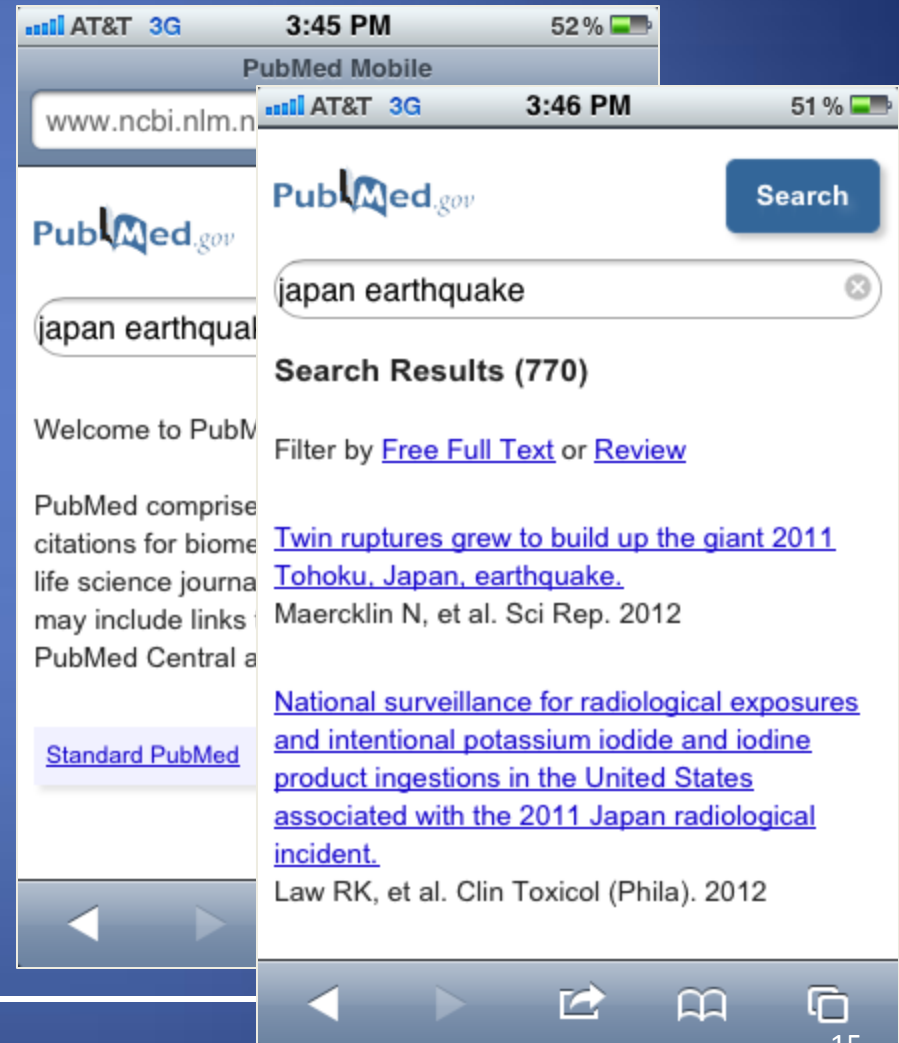
- Acceso a bases de datos y otras fuentes de información sobre toxicología, salud ambiental, agentes peligrosos, y temas relacionados.
- Sitio web optimizado.

TOXNET	
 HSDB	<b>Back</b> <b>GENETOX Search</b>
 TOXLINE	<b>N-METHYL-N'-NITRO-N-NITROSOGUANIDINE</b>
 CCRIS	CAS RN: 70-25-7 Table of Contents
 DART	<b>BEST SECTIONS</b> >
 GENE-TOX	<b>Mutagenicity Studies</b> >
 IRIS	GENE-TOX Evaluation B (post-1980) >
 ITER	GENE-TOX Evaluation A (pre-1980) >
 LactMed	<b>Substance Identification</b> >
 TRI	<b>Administrative Information</b> >
 DIRLINE	
<a href="#">Previous record</a>   <a href="#">Next record</a>	



# PubMed

- Incluye referencias bibliográficas a literatura biomédica de MEDLINE, revistas de ciencias vivas y libros en línea.
- Sitio web optimizado.



# MedlinePlus

- Temas de salud para el público en general.
- Sitio Web optimizado.
- Parcialmente en español.





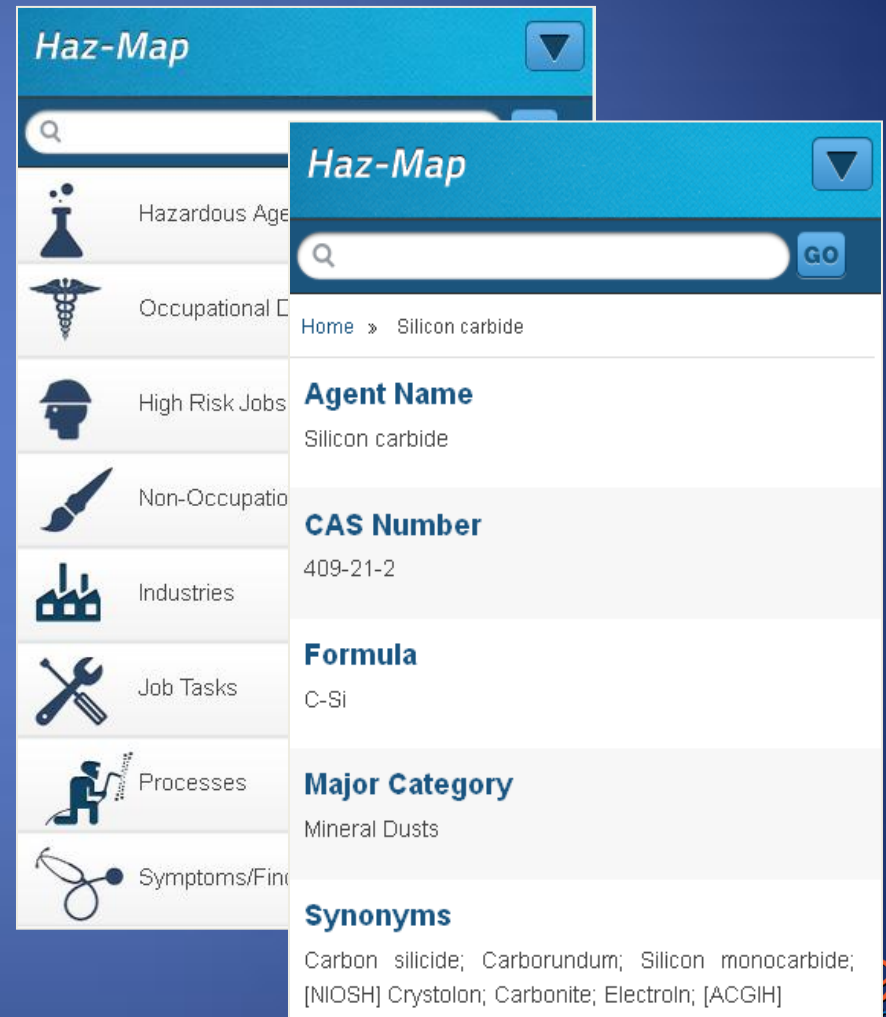
# MyMedList

- Permite gestionar (y recordar) el consumo de medicinas personales.
- App Nativa iOS.



# HazMap Móvil

- Información de salud ocupacional sobre agentes tóxicos en el trabajo.
- Sitio web optimizado.



The screenshot displays the Haz-Map mobile application interface. The top navigation bar is blue with the text "Haz-Map" and a dropdown arrow. Below the navigation bar is a search bar with a magnifying glass icon and a "GO" button. A vertical menu on the left side contains icons and labels for various categories: Hazardous Agents (flask), Occupational Diseases (caduceus), High Risk Jobs (hard hat), Non-Occupational Diseases (syringe), Industries (factory), Job Tasks (wrench and screwdriver), Processes (worker), and Symptoms/Findings (stethoscope). The main content area shows the search results for "Silicon carbide". The breadcrumb trail is "Home » Silicon carbide". The results are organized into sections: **Agent Name** (Silicon carbide), **CAS Number** (409-21-2), **Formula** (C-Si), **Major Category** (Mineral Dusts), and **Synonyms** (Carbon silicide; Carborundum; Silicon monocarbide; [NIOSH] Crystolon; Carbonite; ElectroIn; [ACGIH]).



# Guía de Apps de NLM

<http://www.nlm.nih.gov/mobile/>



The screenshot shows the NLM Mobile website interface. At the top, there is a navigation bar with the NLM logo, the text "U.S. National Library of Medicine National Institutes of Health", and a search bar. Below the navigation bar, there are several tabs: "Databases", "Find, Read, Learn", "Explore NLM", "Research at NLM", and "NLM for You". The main content area is titled "NLM Mobile" and "Home". A section titled "Gallery of Mobile Apps and Sites" displays several app cards. A blue callout box points to the "NLM Mobile" app card, containing the text: "Sitio optimizado para acceder a todas las aplicaciones móviles de NLM".

**NLM Mobile**  
Type: HTML5 Web Application  
Device: Smartphones  
Launch

**Guide to NLM Mobile**  
Use this authoritative guide to NLM mobile resources to locate sites and apps from NLM. Browse by device type, tags, and more.

**MyMedList**  
MyMedList (MML) allows users to electronically manage their medication list(s). Medication lists can be e-mailed or printed, can serve as a reminder for taking medications, or be shown as reference information in doctor's offices or hospitals.

**Haz-Map**  
HazMap is an occupational health database for health and safety professionals and consumers seeking information about the adverse effects of workplace exposures to chemical and biological agents.

**NLM Native Voices**  
Explore video interviews from the Native Voices exhibition at the National Library of Medicine. (iPad Only)

**@NIH**  
Type: Application  
Device: Apple iOS



# Información de Contacto

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(301) 496 8471

(301) 480-9680 (fax)




The screenshot shows the website for the Disaster Information Management Research Center, part of the National Library of Medicine. The header includes the U.S. Department of Health & Human Services logo and the website URL www.hhs.gov. The main navigation bar contains links for SIS Home, About Us, Site Map & Search, SIS News, and Contact Us. The page is divided into several sections:

- Disaster Types and Topics:** A list of categories including Emergency Response Tools, Disaster Health Literature, Disaster Information Specialist, Librarians & Disasters, NLM Projects & Research, Search TOXNET® Databases, and Health Organizations.
- New Disaster Health Information Outreach Projects:** A map of the United States with several yellow pushpin markers indicating project locations across various states.
- In the Spotlight:** A list of featured content including "2012 Disaster Health Information Outreach & Collaboration Projects", "Web Apps and Mobile Web Sites", "West Nile Virus: Resources about Pesticides", and "Wildfires: Health-Related Resources".
- New Documents from the Resource Guide:** A list of recent publications, such as "Managing Administrative Preparedness Burdens on State and Local Health Departments".
- New in PubMed:** A section highlighting new biomedical journal citations and abstracts, including "Mass shooting in Colorado: practice drills, disaster preparations key to successful emergency response".
- Disaster News:** A section for the latest news in disaster medicine and public health.
- Search Our Web Pages:** A search bar with a "Search" button.
- A to Z Index of Resources:** A grid of letters from A to Z for navigating through the site's resources.
- Stay Connected:** Links to join the Listserv, subscribe to RSS, follow on Twitter, and bookmark the site.
- About the Center:** Links to a Fact Sheet, News, and Publications about the Center.
- Disaster Medicine and Public Health Literature and Public Health Resource Guide:** A section providing a guide to disaster medicine and public health literature.
- PubMed:** A link to the PubMed database of biomedical journal citations and abstracts.
- HazMat/CBRN (Chem, Bio, Rad, Nuclear):** A section for the WISER (Wireless Information System for Emergency Responders) system, which assists first responders in hazardous material incidents. Version 4.4 is now available.
- REM: Radiation Emergency Medical Management:** A section providing guidance about clinical diagnosis and treatment of radiation injuries during radiological and nuclear emergencies.
- Find Disaster Organizations:** A search bar for finding disaster organizations, with a "21 Search" button and a dropdown menu for "Limit to state (Optional)".