

# OMS+ Outbreak Management System



Advancing Public Health Outcomes Through Information Technology

Outbreak Name	Outbreak Number	Active	Created By	Created DateTime
trmeter	teremeter	Active	admin	1/6/2011
test_123	teremeter	Active	admin	1/6/2011
test_12345	teremeter	Active	admin	1/6/2011
teremeter	teremeter	Active	admin	1/6/2011
RashOutbreak	Rash1234	Active	admin	1/7/2011
RashUpdatTest	Rash123456	Active	admin	1/7/2011
RashUpdat	Rash11	Active	admin	1/7/2011
envevener	envevener	Active	admin	1/7/2011
Test0302011	996633	Active	admin	3/10/2011
TestEpiOrder	789430	Active	admin	3/10/2011

**Administrative Section**

Outbreak: BrianOutbreak    Outbreak ID: 12345  
Case ID: 6  
EDSS ID:    ILL: Yes    No: Unknown  
Case Type: Human Case    Not-Human Case  
Disease Name: Botulism - Foodborne

**Patient Case History**

Case Classification: Referral Date: 12/20/2010  
Investigation Status: Active  
State or local epi case ID:    CDC outbreak (EFORS) ID:   

**Patient Demographic Information**

Name Type: Default/Common  
Last Name: Frog    First Name: Alan    Middle Name: Kermet  
Date of Birth: 06/03/1990    Age:    Age type:     
Country of Birth:     
Race: (check all that apply)    American Indian or Alaska Native    Native Hawaiian or Other Pacific Islander    Asian    Black or African American    White    Other    Unknown  
Ethnicity:    Hispanic or Latino    Not Hispanic or Latino    Unknown

Investigation ID	Investigation Status	Referral Date	ILL	Patient Last Name	Patient First Name	Date of Birth
3		12/04/2010	No	DAUB	ERSC	6/6/1945
4		12/07/2010	No			
6	ACTIVE	12/20/2010	Yes	FROG	KERMET	6/3/1990
30		1/4/2011	Yes	STILLER	BEN	

**Case Audit Log**

Date	Activity	Field	Old Value	New Value	User
12/20/2010 10:43 PM	Changed	Case Classification	PROBABLE	SUSPECTED	Sherril
12/20/2010 10:36 PM	Changed	Middle Name		Alan	Sherril
12/20/2010 10:36 PM	Changed	WasInpatientHospitalized		YES	Sherril

Outbreak management is a key responsibility of all local and state public health authorities. Recognizing the need for a new generation of outbreak management user tools, STC has designed, developed, and implemented a web-based Outbreak Management System (OMS+) to meet the needs of today's rapidly changing environment.

## Key tools of OMS+

### Decreased Data Entry Errors and Duplicate Entries:

- Forms completed remotely during field interviews can be directly uploaded into OMS+. Direct transmission of data reduces both the time necessary to enter data and the chances for data entry errors.

### Customized Interview Forms are Outbreak-specific:

- Forms can be completely customized to user's needs, regardless of the outbreak size or type.
- Field investigators can build forms to ask any number of questions deemed relevant, and every one of the fields can be directly imported into OMS+ without additional data entry

### Interoperability with STC's Sentinel Disease Reporting System:

- Directly upload cases associated with a particular outbreak into Sentinel based on criteria that the user defines, thereby identifying cases that were associated with the outbreak prior to the outbreak being identified.
- Eliminates duplicate data entry for disease reporting for reportable diseases when used with Sentinel.
- Enter case data remotely without needing internet access.
- Great for conditions when service is unreliable, or following major disasters.
- Web-based, so multiple users can fill out forms at the same time on the desktops.
- Simple, multi-system compatible data exports for further statistical analyses or case mapping.

## Key Functionalities of OMS+

- Capability to build custom interview forms.
- Bi-directional interoperability with Sentinel, STC's state disease reporting system.
- Eliminates duplicate data entry and reduces potential for data entry errors.
- Cases already in Sentinel associated with the disease outbreak can be automatically imported directly into OMS+.
- Field users can enter data into OMS+ forms on remote laptops/desktops.
- Multiple defined user roles including user administrator, system administrator, and investigator.
- Ability to export information to .csv file format (compatible with most any statistical software application or geographic information system).

For more information or a demo,  
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