



ASPR Region IX



ASPR Region IX Brief to the Health Information Exchange

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ASPR Region IX Mission and Vision



Mission

Build and maintain strong relationships with state, federal, local, tribal, and territorial officials, NGOs and emergency management officials. Conduct planning for effective federal emergency response, and to facilitate coordinated preparedness and response activities for public health and medical emergencies.

Vision

Serve as the best prepared ASPR Region and Federal Health Coordinating Official and liaison officers to lead as the prime coordinating office for Emergency Support Function 8 Public Health and Medical (ESF-8).



HIE ASPR Goals



- Patient Electronic Tracking
- JPATS fielding
- emPOWER



ASPR Region IX Health Information Exchange Goals



- Pre-hospital electronic tracking of patients-Develop electronic methods in addition to paper but keep paper “run sheets” alive
- Fielding of the Joint Patient Assessment and Tracking System JPATS
 - Web based system-tracks patients in the National Disaster Medical System-civil side
 - Does not and will not communicate with other systems, TRAC2ES, etc.
- Marketing and education of emPOWER system.



emPOWER



- What is it? Planning tool via Excel Spreadsheets and Maps to identify power dependent patients using Medicare data.
- Why? Increasing numbers of electrically dependent patients will become an issue during a prolonged electrical power outage
 - Identifies by zip code- O2 concentrators, ventilators, electric wheelchairs/scooters, suction, enteral feeding, IV infusion pumps, at home dialysis, electric beds
 - Also identifies services that include: in facility dialysis, O2 tanks, home health
- Types of data:
 - De-Identified-Only to zip code level with caveats
 - Identified-Down to address level-Has HIPAA requirements for “actionable intelligence”.



De-Identified Data



- De-Identification Methods/Privacy Protection
 - Removed all personal identifiers and information
 - Aggregated data to the county level using sums of actual and masked zip code values
 - Masked all data variable with a cell size between 1-10 to 11
 - Number of masked counties provided to allow calculating actual range



emPOWER

De-Identified Data for LA County



County FIPS Code	County Name	State FIPS Code	State	# Zip Codes in County	# Medicare Beneficiaries in County	Population of Beneficiaries at home with a Residential Address, not P.O. Box or Unknown in County
037	Los Angeles	06	CA	285	1,218,739	1,159,351

Services		Services		Services	
In-Facility ESRD (3 months)		Oxygen Services [Tanks] (13 months)		Home Health (3 months)	
# In-Facility ESRD Dialysis	# Masked Zip Codes in County	# O2 Services [Tanks]	# Masked Zip Codes in County	# Home Health	# Masked Zip Codes in County
12,633	45	11,940	21	45,051	11

All DME	
Oxygen Concentrator, Ventilator, Enteral Feeding, IV Infusion Pump, Suction Pump, At-Home ESRD, Motorized Wheelchair, Scooter, or Electric Bed	
# Electricity-Dependent DME	# Masked Zip Codes in County
34,452	7



emPOWER De-Identified Data for LA County continued



Durable Medical Equipment (DME)					
O2 Concentrators (36 months)		Ventilators (13 months)		Enteral Feeding (13 months)	
# O2 Concentrators	# Masked Zip Codes in County	# Ventilators	# Masked Zip Codes in County	# Enteral Feeding	# Masked Zip Codes in County
21,961	9	2,674	238	3,416	195

DURABLE MEDICAL EQUIPMENT [DME]									
IV Infusion Pumps (13 months)		Suction Pumps (13 months)		At-Home ESRD Dialysis (3 months)		# Motorized Wheelchairs or Scooters (13 months)		Electric Beds (13 months)	
# IV Infusion Pumps	# Masked Zip Codes in County	# Suction Pumps	# Masked Zip Codes in County	# At-Home ESRD Dialysis	# Masked Zip Codes in County	# Motorized Wheelchairs or Scooters	# Masked Zip Codes in County	# Electric Beds	# Masked Zip Codes in County
2,903	245	2,593	233	2,587	233	2,825	231	8,610	37



Summary



- Patient Electronic Tracking
- JPATS fielding
- emPOWER