

Exploratory Analysis Subgroup of the Arizona BioSense Work Group

July 21, 2016



ARIZONA DEPARTMENT
OF HEALTH SERVICES

Health and Wellness for all Arizonans

Objectives

- Welcome and Attendance
- Exploratory Analysis Subgroup Project
 - Heat Related Illness Syndromic Surveillance project
 - Updates
 - Protocol/Code/Tables
 - » Addition of suggested key words to risk factor categories
 - » Addition of Homeless/Substance Abuse/Mental Illness category (HSM)
 - Pulling Weather Data
 - » Assistance from new consultancy partner
- AZID 2016
 - Come join us for the Informatics Breakout Session
 - 7/27/2016
- Questions and Discussions
- Next Meetings



Heat-Related Illness Syndromic Surveillance Project

- Suggestions from Pima for key words in risk factor categories
- Homeless/Substance Abuse/Mental Illness (HSM)



Risk Factor Categories Updated

Occupational

Recreation

Mental Illness

Substance Abuse

Yard Work

Hot Vehicle

Cooling System



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Occupational key words

- “Civilian activity done for income or pay”
- “Military”
- “Air force”
- “Postal service”
- individuals working in a garage or hot car area or even inside of a house doing construction where the AC is not working appropriately.



Recreation key words

- Golfing”
Mountain
Trail



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Mental Illness key words

- Include “SI/HI” and not “denies”
- “ADHD”
- “ADD”
- “MDD”
- PTSD
- Dementia
- Exclusion: “patient denies SI/HIAdd “bipolar”



Substance Abuse key words

- “spice”
- “Intox”
- Methamphetamine
- THC



Yard Work or Home Repair

key words

- “Repair”
- Home repair
- Garage
- Cutting or trimming AND plants OR tree
- Roof
- Moving



Hot Vehicle key words

- “Bus”
- Public Transportation
- Waiting for bus



Cooling System key words

- “Cooling”
- No AC
- AC off



Protocol, Program, Report

- Jessica White has made updates to the
 - SAS Program
 - Includes new risk factor categories suggested by Pima
 - Homeless/Substance Abuse/Mental Illness (HSM)
 - Output Report
 - PDF
 - rtf format can easily be manipulated to add text, additional tables, logos, etc.
- Feedback needed



Pulling Weather Data

- ADHS found a new option for pulling weather data
- New partner from the Consultancy, Andy Monaghan, University Corporation for Atmospheric Research assisting with automated process



Next Steps

- Goal for first report
- Timelines



Informatics Breakout Session

Wednesday-7/27

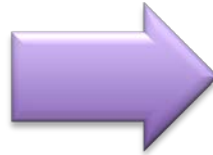
- Check out the following topics
 - ADHS Infectious Disease Mobile App for Healthcare Providers
 - **Syndromic Surveillance in Arizona**
 - Feasibility and Utility of Text Messaging Based Infectious Disease Surveillance and Research



Upcoming Meetings

Arizona BioSense Workgroup

- Tues. Aug. 09
from 1:00 – 2:00



Exploratory Analysis Subgroup

- Thurs. Aug. 25
from 1:00 – 2:00



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THANK YOU

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