Healthcare Worker Knowledge Attitudes and Practices Survey

Tammy Sylvester

Background

AHHHHHH!
A MOSQUITO!
RUN FOR YOUR LIVES!
WEST NILE VIRUS!!
WEST NILE VIRUS!!

U.S. DEATHS IN 2002 = 284
(WORST YEAR SO FAR)

A FLU SHOT?
NO THANKS.
WHY BOTHER?

U.S. DEATHS = 36,000
(IN AVERAGE YEAR)
Knowledge Attitudes and Practices (KAP)

- The Maricopa County Department of Public Health (MCDPH), in collaboration with WestGroup Research conducted
  - Telephone survey
  - May 11, 2011 to June 24, 2011
  - Among Maricopa County Healthcare workers
- To assess their knowledge, attitudes, and practices (KAP) regarding flu vaccination

Questions Assessed HCW KAP

- Working While Sick
- Flu Vaccine Guidance to Patients
- Self-Vaccination Practice
- Employer Vaccine Policies
Methods - Target Population

- Representative sample
- Healthcare workers (HCW)
- 18 or older
- Currently employed in their identified profession
- Working within Maricopa County

HCW Groups (N=1171)

<table>
<thead>
<tr>
<th>Providers (405)</th>
<th>Nurses (402)</th>
<th>Technicians (364)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MD (138)</td>
<td>CAN (89)</td>
<td>RT (70)</td>
</tr>
<tr>
<td>DO (25)</td>
<td>LPN (45)</td>
<td>PT (60)</td>
</tr>
<tr>
<td>PA (30)</td>
<td>RN (268)</td>
<td>PT assist (9)</td>
</tr>
<tr>
<td>NP (59)</td>
<td></td>
<td>OT (40)</td>
</tr>
<tr>
<td>ND (9)</td>
<td></td>
<td>Pharm Tech (131)</td>
</tr>
<tr>
<td>Dentist (50)</td>
<td></td>
<td>Dental Hygienist (54)</td>
</tr>
<tr>
<td>Pharmacist (94)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Surveys Conducted

Phone (2 attempts)
Email (If available)
Postcard (If no email)

Setting

<table>
<thead>
<tr>
<th>Work in:</th>
<th>Providers (n=402)</th>
<th>Nurses (n=402)</th>
<th>Technicians (n=364)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hospital</td>
<td>21%</td>
<td>51%</td>
<td>23%</td>
</tr>
<tr>
<td>Private practice</td>
<td>28%</td>
<td>3%</td>
<td>18%</td>
</tr>
<tr>
<td>Outpatient clinic</td>
<td>16%</td>
<td>4%</td>
<td>11%</td>
</tr>
<tr>
<td>Stand alone pharmacy or drug store</td>
<td>10%</td>
<td>-</td>
<td>16%</td>
</tr>
<tr>
<td>Nursing home</td>
<td>1%</td>
<td>12%</td>
<td>4%</td>
</tr>
<tr>
<td>Home health</td>
<td>2%</td>
<td>8%</td>
<td>5%</td>
</tr>
<tr>
<td>School</td>
<td>2%</td>
<td>4%</td>
<td>3%</td>
</tr>
<tr>
<td>Mail service pharmacy</td>
<td>2%</td>
<td>-</td>
<td>6%</td>
</tr>
<tr>
<td>Health insurance agency</td>
<td>2%</td>
<td>3%</td>
<td>1%</td>
</tr>
<tr>
<td>Dental office</td>
<td>2%</td>
<td>-</td>
<td>2%</td>
</tr>
<tr>
<td>Office setting</td>
<td>2%</td>
<td>1%</td>
<td>1%</td>
</tr>
</tbody>
</table>
# Demographics

<table>
<thead>
<tr>
<th>Work in:</th>
<th>Providers (n=405)</th>
<th>Nurses (n=402)</th>
<th>Technicians (n=364)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gender</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>59%</td>
<td>9%</td>
<td>25%</td>
</tr>
<tr>
<td>Female</td>
<td>41%</td>
<td>91%</td>
<td>75%</td>
</tr>
<tr>
<td>Age</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18-29</td>
<td>4%</td>
<td>7%</td>
<td>17%</td>
</tr>
<tr>
<td>30-39</td>
<td>17%</td>
<td>13%</td>
<td>25%</td>
</tr>
<tr>
<td>40-49</td>
<td>26%</td>
<td>24%</td>
<td>23%</td>
</tr>
<tr>
<td>50-59</td>
<td>26%</td>
<td>34%</td>
<td>25%</td>
</tr>
<tr>
<td>60-69</td>
<td>21%</td>
<td>18%</td>
<td>10%</td>
</tr>
<tr>
<td>70+</td>
<td>6%</td>
<td>4%</td>
<td>*</td>
</tr>
<tr>
<td>Ethnicity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hispanic or Latino</td>
<td>3%</td>
<td>7%</td>
<td>8%</td>
</tr>
<tr>
<td>Non-Hispanic or Latino</td>
<td>97%</td>
<td>93%</td>
<td>92%</td>
</tr>
</tbody>
</table>

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**Results**

*THE GATTLING SYRINGE*

- Dr. Bob
Availability of Flu Vaccine at Work

% Have Vaccine Available at Work

- Providers (n=399) (A): 66%
- Nurses (n=394) (B): 83%
- Technicians (n=355) (C): 63%

** Base: Have vaccine available at work

During the flu season, do you routinely have flu vaccine available at your office or primary work setting?

What type of flu vaccine do you routinely have available?

Vaccination Practices

Frequency of vaccination

- Providers (n=440) (A):
  - 8% (Never/almost never)
  - 14% (Some years)
  - 58% (Most years)
  - 10% (Every year)

- Nurses (n=401) (B):
  - 6% (Never/almost never)
  - 9% (Some years)
  - 52% (Most years)
  - 10% (Every year)

- Technicians (n=363) (C):
  - 5% (Never/almost never)
  - 9% (Some years)
  - 37% (Most years)
  - 13% (Every year)

Which of the following best describes how often you get the seasonal flu vaccine?
Perceived Likelihood to Get Flu Without Vaccine

In any given year, if you didn’t get an influenza (or flu) vaccination, how likely do you think you are to get the flu?

- Not at all likely
- Not very likely
- Somewhat likely
- Very likely

P<0.001

Attitude Towards Workplace Vaccine Requirement

Are you/would you be in favor of your workplace requiring employees to get a seasonal flu vaccine?

OR 9.95
Support for Mandatory Vaccine

- Providers vs RN & Tech
  - OR 1.56

- Protects Pts.
  - OR 2.3

- < Risk vs Avg Ind
  - OR 1.41

Worked While Ill with Respiratory Symptoms

Did you attend work at any time when you had these symptoms?

<table>
<thead>
<tr>
<th>Did you attend work at any time when you had these symptoms?</th>
<th>71%</th>
<th>57%</th>
<th>62%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Providers (n=214) (A)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nurses (n=206) (B)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technicians (n=199) (C)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

P=0.009
Attitudes about Working while Sick

I have worked while sick...
- Because I could still perform my job duties: 84% (Providers), 83% (Nurses), 82% (Technicians)
- Because there was no one available to cover for me: 44% (Providers), 58% (Nurses), 66% (Technicians)
- Because I wasn’t contagious: 62% (Providers), 68% (Nurses), 65% (Technicians)
- To keep from getting behind at work: 26% (Providers), 37% (Nurses), 37% (Technicians)
- Because I couldn’t afford to lose the pay: 17% (Providers), 30% (Nurses), 42% (Technicians)
- Because my employer required it: 21% (Providers), 32% (Nurses), 49% (Technicians)

8/14/2014 Footer
GESUNDHEIT!

SORRY...

- Dr. Bob

8/14/2014

WILL YOU HELP SAVE MY LIFE?

FLU FLU FLU FLU

YOU CARE FOR ME. NOW PROTECT ME. GET YOUR FLU VACCINE.

Shane the flu from spreading. Annual flu claims range from 1,000 to 40,000 per season in the US.

Infect yourself, infect others, and you may get sick from the vaccinated kids.

8/14/2014

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Questions?

• Questions

Acknowledgements

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<tr>
<th>Survey</th>
<th>Analysis</th>
<th>Visual Aids</th>
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  • Tapi
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