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OCCASIONAL PAPER

# Midseason Influenza Vaccine Use by Adults in the U.S.

## Detailed Survey Data Tables

*Katherine M. Harris, Juergen Maurer, and Nicole Lurie*

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### Table 1: Actual and Intended Receipt of Influenza Vaccine for Adults Age 18 and Older, Fall 2008

| | | Vaccinated Already | | Intends to Be Vaccinated | |
|---|---|---|---|---|---|
| Indication | Unweighted Sample Size | Weighted % | 95% Confidence Interval (%) | Weighted % | 95% Confidence Interval (%) |
| All adults | 3,969 | 29.6 | 27.0–32.1 | 16.6 | 14.4–18.7 |
| No indication | 525 | 13.5 | 9.4–17.6 | 16.4 | 11.6–21.3 |
| Any indication | 3,444 | 37.1 | 34.0–40.1 | 16.6 | 14.5–18.8 |

### Table 2: Actual and Intended Receipt of Influenza Vaccine for Adults Age 18 and Older by Indication, Fall 2008

| | | Vaccinated Already | | Intends to Be Vaccinated | |
|---|---|---|---|---|---|
| Indication | Unweighted Sample Size | Weighted % | 95% Confidence Interval (%) | Weighted % | 95% Confidence Interval (%) |
| Age 50 and older | 2,997 | 46.5 | 43.4–49.6 | 18.6 | 16.2–21.0 |
| High-risk health condition | 1,394 | 42.3 | 37.3–47.2 | 17.8 | 14.5–21.2 |
| Health worker or caregiver | 870 | 29.5 | 24.2–34.8 | 12.7 | 9.1–16.3 |

### Table 3: Actual and Intended Receipt of Influenza Vaccine for Adults Age 18 and Older by Selected High-Risk Health Condition, Fall 2008

| | | Vaccinated Already | | Intends to Be Vaccinated | |
|---|---|---|---|---|---|
| Indication | Unweighted Sample Size | Weighted % | 95% Confidence Interval (%) | Weighted % | 95% Confidence Interval (%) |
| Asthma | 473 | 32.8 | 25.3–40.3 | 14.7 | 9.8–19.6 |
| Chronic lung disease | 155 | 62.9 | 49.5–76.2 | 15.8 | 7.1–24.6 |
| Diabetes | 658 | 52.3 | 45.2–59.3 | 18.0 | 13.1–22.8 |
| Heart disease | 405 | 52.3 | 43.3–61.2 | 25.7 | 18.0–33.4 |

### Table 4: Actual and Intended Receipt of Influenza Vaccine for Adults Age 18 and Older by Region, Fall 2008

| | | Vaccinated Already | | Intends to Be Vaccinated | |
|---|---|---|---|---|---|
| Region | Unweighted Sample Size | Weighted % | 95% Confidence Interval (%) | Weighted % | 95% Confidence Interval (%) |
| Northeast | 640 | 31.8 | 25.7–37.9 | 17.3 | 12.3–22.3 |
| Midwest | 788 | 28.5 | 23.0–34.0 | 17.3 | 12.4–22.3 |
| South | 1,579 | 29.7 | 25.7–33.8 | 18.5 | 14.7–22.4 |
| West | 962 | 28.5 | 23.5–33.5 | 12.1 | 8.9–15.3 |

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## Table 5: Actual and Intended Receipt of Influenza Vaccine for Adults Age 18 and Older by Race/Ethnicity, Fall 2008

| | | Vaccinated Already | | Intends to Be Vaccinated | |
|---|---|---|---|---|---|
| Ethnic Group | Unweighted Sample Size | Weighted % | 95% Confidence Interval (%) | Weighted % | 95% Confidence Interval (%) |
| White | 1,400 | 32.3 | 28.9–35.6 | 17.4 | 14.6–20.2 |
| Black | 1,225 | 24.9 | 20.4–29.4 | 18.0 | 13.9–22.2 |
| Hispanic | 704 | 22.7 | 16.9–28.6 | 10.6 | 6.2–15.0 |
| Other | 640 | 23.4 | 16.8–30.1 | 17.9 | 9.8–26.0 |

## Table 6: Main Reason Why Adults Intending to Be Vaccinated Have Not Yet Been Vaccinated, Fall 2008 (n=744)

| Main Reason | Weighted % | 95% Confidence Interval |
|---|---|---|
| Other | 33.6 | 27.2–40.1 |
| I don't know where to get a vaccine | 4.5 | 0.7–8.2 |
| I didn't realize flu season had begun | 5.3 | 2.7–7.9 |
| It slipped my mind | 15.5 | 11.0–20.0 |
| I haven't had the time | 41.1 | 34.1–48.1 |

## Table 7: Main Reason Why Unvaccinated Adults Do Not Intend to Be Vaccinated, Fall 2008 (n=1,721)

| Main Reason | Weighted % | 95% Confidence Interval |
|---|---|---|
| Don't need it | 25.3 | 21.4–29.2 |
| Don't believe in flu vaccines | 20.1 | 16.5–23.7 |
| Might get sick or experience side effects | 18.7 | 15.5–21.8 |
| Others need it more than I do | 7.8 | 5.0–10.6 |
| Dislike of needles | 5.2 | 3.0–7.3 |
| Flu vaccines cost too much | 4.3 | 2.0–6.6 |
| A doctor did not tell me I need it | 3.6 | 1.9–5.3 |
| Flu vaccines are not covered by my insurance | 1.6 | 0.2–3.0 |
| Don't know where to get a flu vaccine | 1.4 | 0.1–2.8 |
| It takes too much time to get a flu vaccine | 0.5 | 0.0–1.0 |
| Didn't know about it | 0.2 | 0.0–0.3 |
| Other | 11.4 | 8.7–14.0 |

## Table 8: Survey Completion Rates

| Ethnic Group | Fielded | Completed | Completion Rate (%) |
|---|---|---|---|
| White | 1,949 | 1,402 | 72 |
| Black | 2,066 | 1,226 | 59 |
| Hispanic/other/mixed | 2,030 | 1,344 | 66 |
| Total | 6,045 | 3,972 | 66 |

NOTE: Three survey responses were missing key data.

## Table 9: Unweighted Sample Size by Age Category and Race/Ethnicity

| Age | White | Black | Hispanic/ Other/Mixed | Total |
|---|---|---|---|---|
| 18–49 | 334 | 300 | 339 | 973 |
| 50–64 | 513 | 661 | 687 | 1,861 |
| 65+ | 555 | 265 | 318 | 1,138 |
| Total | 1,402 | 1,226 | 1,344 | 3,972 |

NOTE: Three survey responses were missing key data.

This occasional paper presents data from a nationally representative survey of adults age 18 and older (n=3,969) conducted for RAND by Knowledge Networks, Inc., a nationally representative online research panel consisting of roughly 40,000 households. Reported percentages have been weighted to reflect the demographic composition of U.S. adults using data from the Current Population Survey. Panelists are initially recruited with known probabilities using random-digit dialing. Household members agree to respond to surveys in exchange for small financial incentives or free Internet access. Studies using the Knowledge Networks panel have been published in peer-reviewed literature.

For additional information about survey and sampling methodology, see "Knowledge Networks Methodology," available at http://www.knowledgenetworks.com/ganp/docs/Knowledge%20Networks%20Methodology.pdf

The survey was administered to 6,045 adult panelists between November 7 and November 19. Sixty-six percent of sampled panelists completed the survey. The survey questionnaire is available at http://mrqc.knowledgenetworks.com/mrIWeb/mrIWeb.dll?I.Project=S12240&i.Test=1

This survey was conducted with the funding and support of GlaxoSmithKline (GSK). The findings have been subject to RAND's quality assurance and peer review process, and RAND alone is responsible for the content. The RAND Corporation is a nonprofit research organization providing objective analysis and effective solutions that address the challenges facing the public and private sectors around the world. RAND's publications do not necessarily reflect the opinions of its research clients and sponsors. **RAND**® is a registered trademark.

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