

Healthcare & Medical Research Study

# Travel Vaccinations

Australian General Population



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# 1 Questions

# Questions Asked

## Questions Included in the Research

- What is your age range?
- Have you travelled overseas in the last 2 years?
- Will you travel overseas in the next 12 months?
- In which country will you spend most of your time?
- Do you have pre-existing medical or chronic health conditions?
- Where do you get your vaccine advice before you go overseas?
- Are you familiar with any of the following diseases?
- Did you get vaccinated against any of the following on your last overseas trip?
- How much did you spend on travel vaccines for that trip (last overseas trip)?
- Are you aware of the vaccines you will need for your next overseas trip?
- Do you plan to get your travel vaccines before your next overseas trip?
- Are you aware that in some countries you need proof of vaccination against specific diseases as a condition of entry?
- Are you aware of the recommendation that Australians travelling overseas should ensure they are vaccinated against measles prior to departure?
- Are you aware that travellers to some countries should be up to date with hepatitis A and Typhoid vaccines, including any country where bottled water is recommended?
- Do you know that Meningococcal disease vaccine may be recommended for certain destinations?
- Do you know that some vaccines require more than one dose, so it is important to start the course well in advance of travel?

## 2 Methodology

# Methodology: Overview

## Sample

- National, representative sample with interviews undertaken in all capital cities, main regional cities and a large number of regional and rural towns in all states and territories.
- 15,147 respondents participated in the survey.

## Methodology

- 1,032 telephone interviews, average of 15 minutes duration, undertaken in all capital cities, main regional cities and a large number of regional and rural towns in all states and territories.
- 14,115 online interviews, average of 16 minutes duration, undertaken in all capital cities, main regional cities and a large number of regional and rural towns in all states and territories.

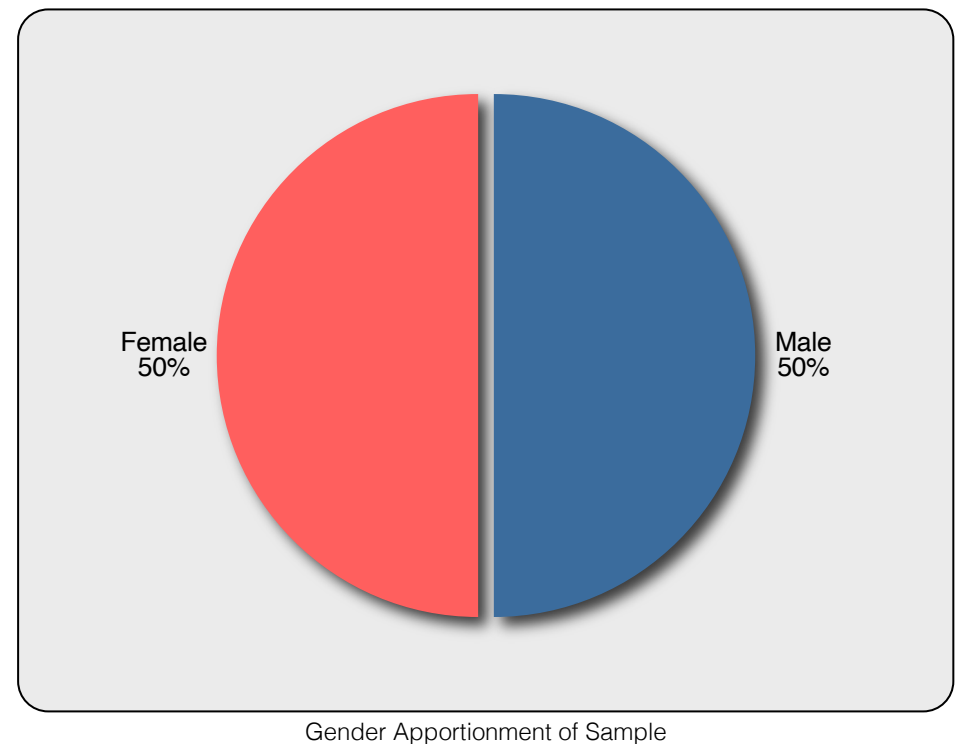
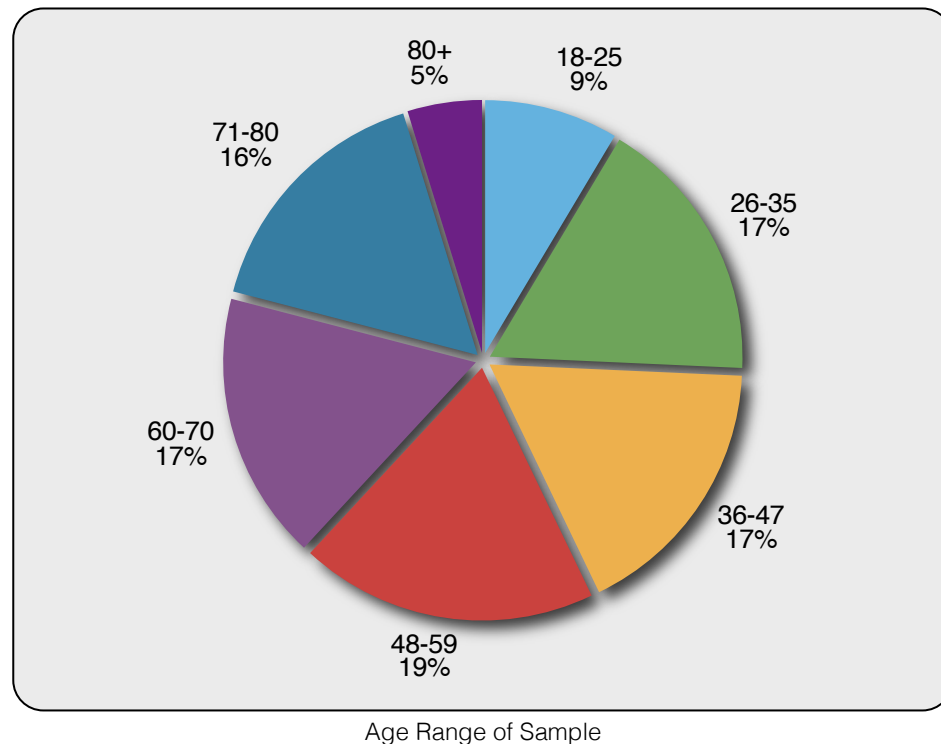
## Data Collection

- Telephone & Online Survey:
  - 19th November to 28th November

# Age & Gender

## National Representative Sample

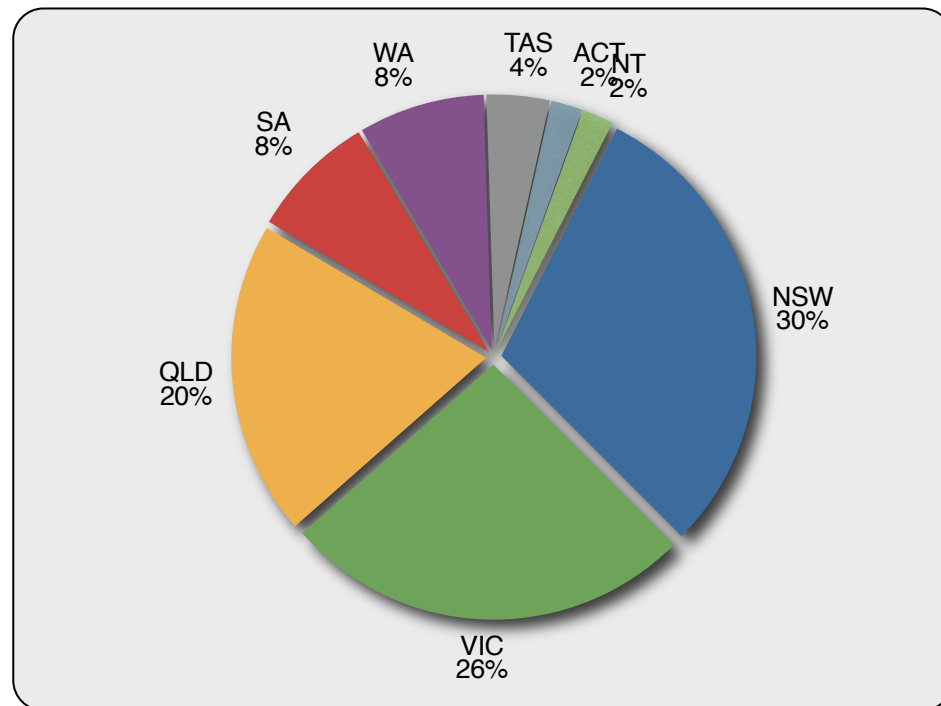
- Interviews undertaken were amongst a representative sample of the Australian population aged 18+ years of age.
- The apportionment of interviews undertaken amongst the age groups used throughout the study (requested by Immunisation Coalition) are illustrated in the bottom left chart.
- A 50/50 gender apportionment was obtained, as illustrated in the bottom right chart.



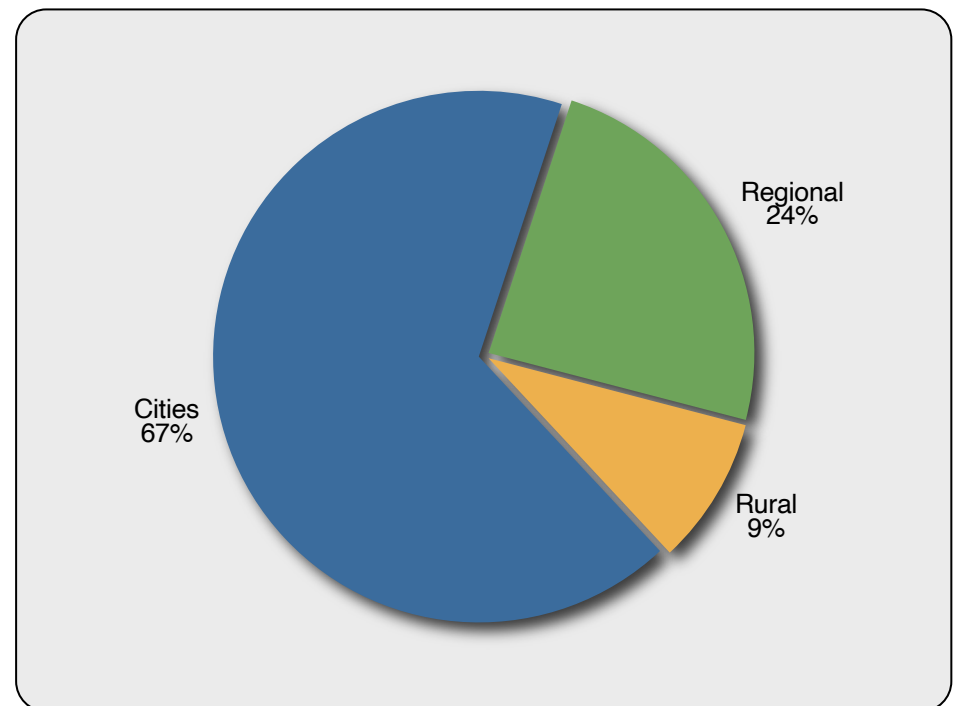
# Geographic Coverage

## National Representative Sample

- Interviews were undertaken in all capital cities, main regional cities and a large number of regional and rural towns in all states and territories.
- The apportionment of interviews undertaken amongst all states and territories are illustrated in the bottom left chart.
- The apportionment of interviews undertaken amongst capital cities, regional cities and rural towns and areas are illustrated in the bottom right chart.



State & Territory Apportionment of Sample



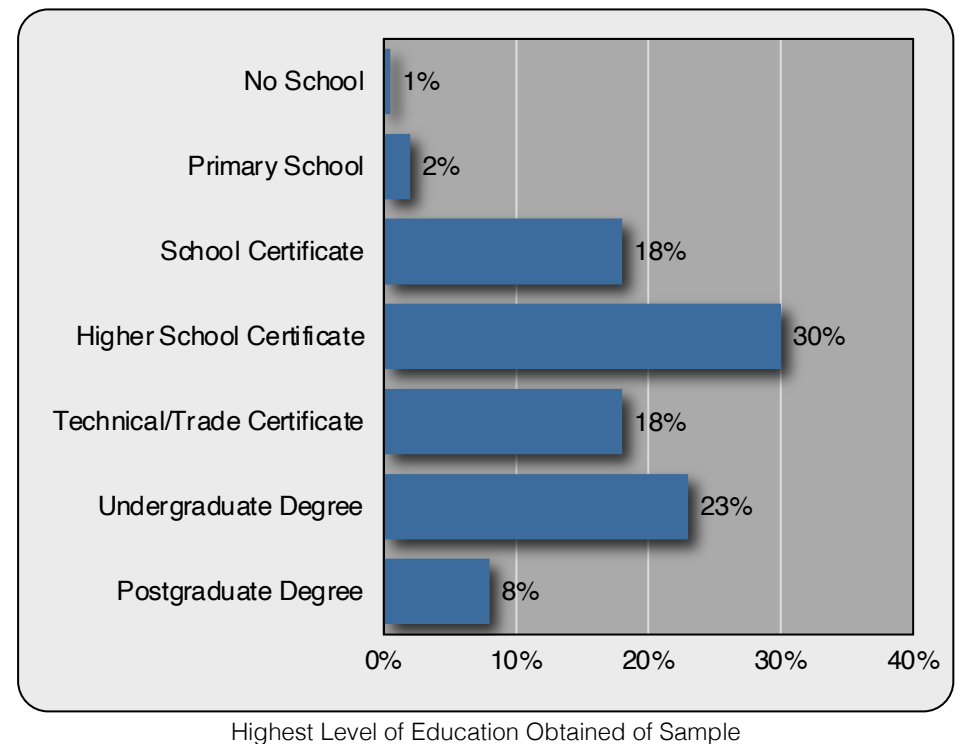
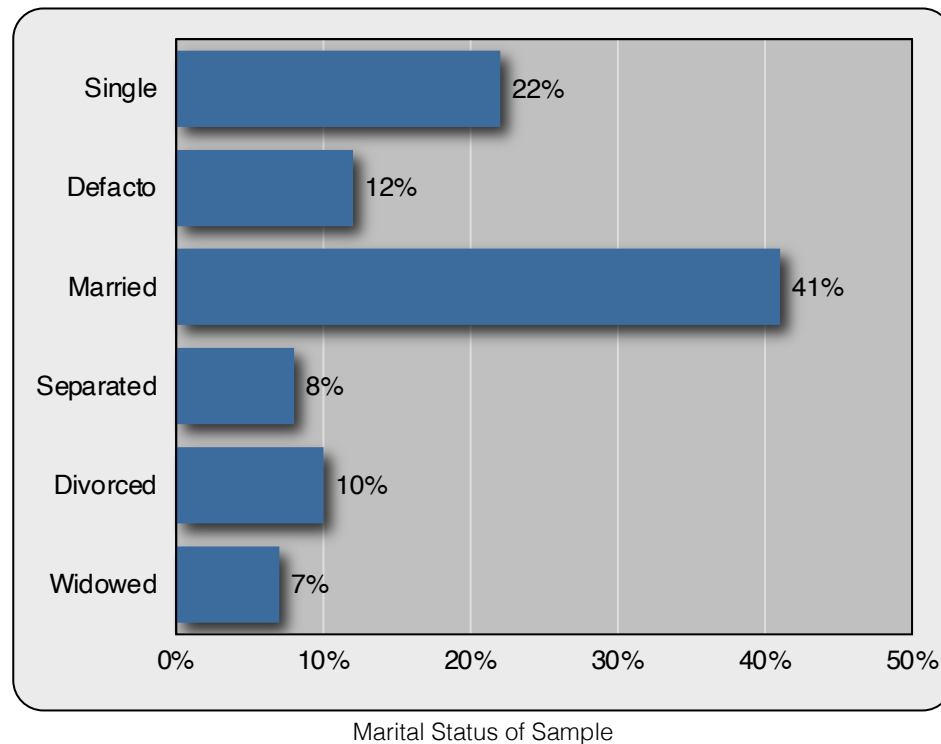
City, Regional & Rural Apportionment of Sample



# Demographic Factors

## Marital Status & Education

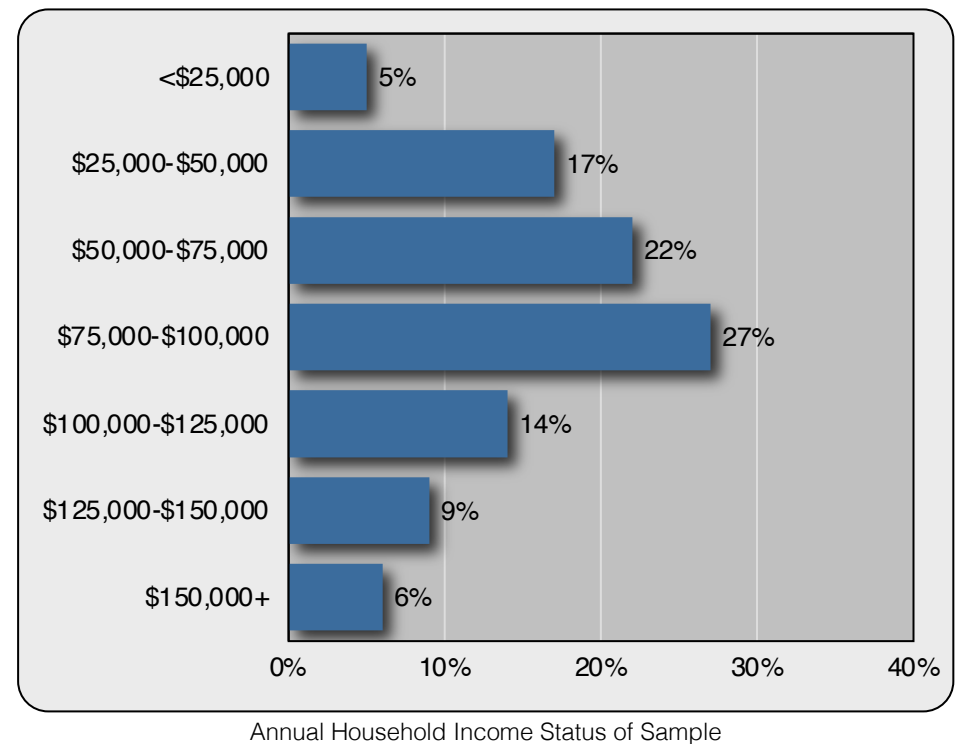
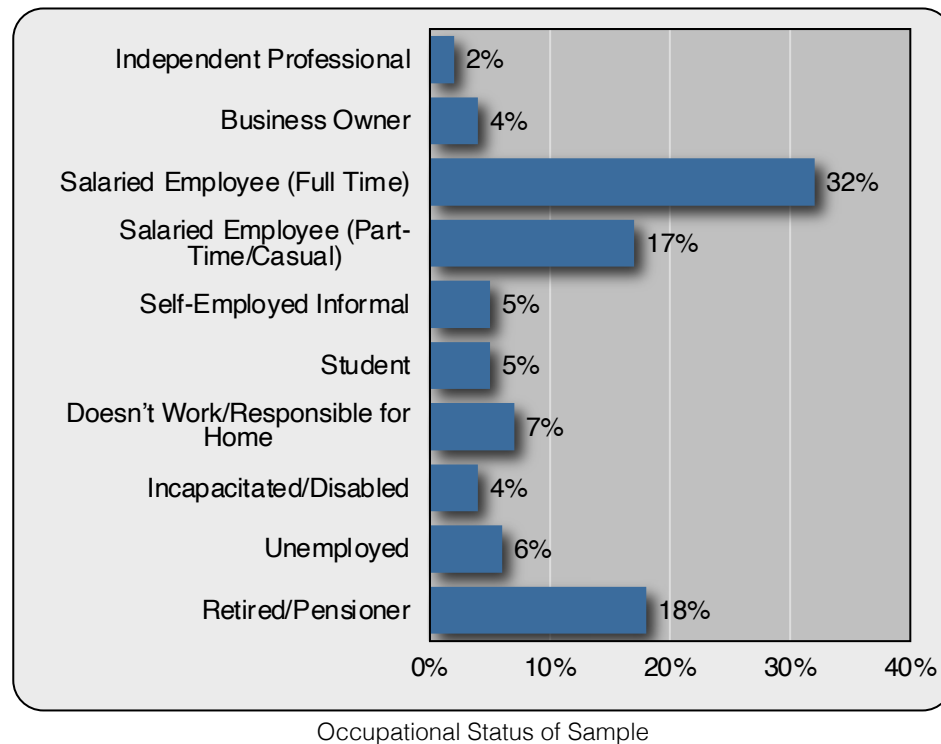
- Interviews were undertaken amongst a representative sample of the Australian adult population, aged 18+, where two key demographic factors obtained were marital status and the highest level of education.
- The marital status of the sample is illustrated in the bottom left chart.
- The highest level of education obtained by the sample is illustrated in the bottom right chart.



# Socio-Economic Factors

## Occupation & Household Income

- Interviews were undertaken amongst a representative sample of the Australian adult population, aged 18+, where two key socio-economic factors obtained were occupational status and the annual household income.
- The occupational status of the sample is illustrated in the bottom left chart.
- The annual household income status of the sample is illustrated in the bottom right chart.



# 3 Research Findings

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# Age Groups

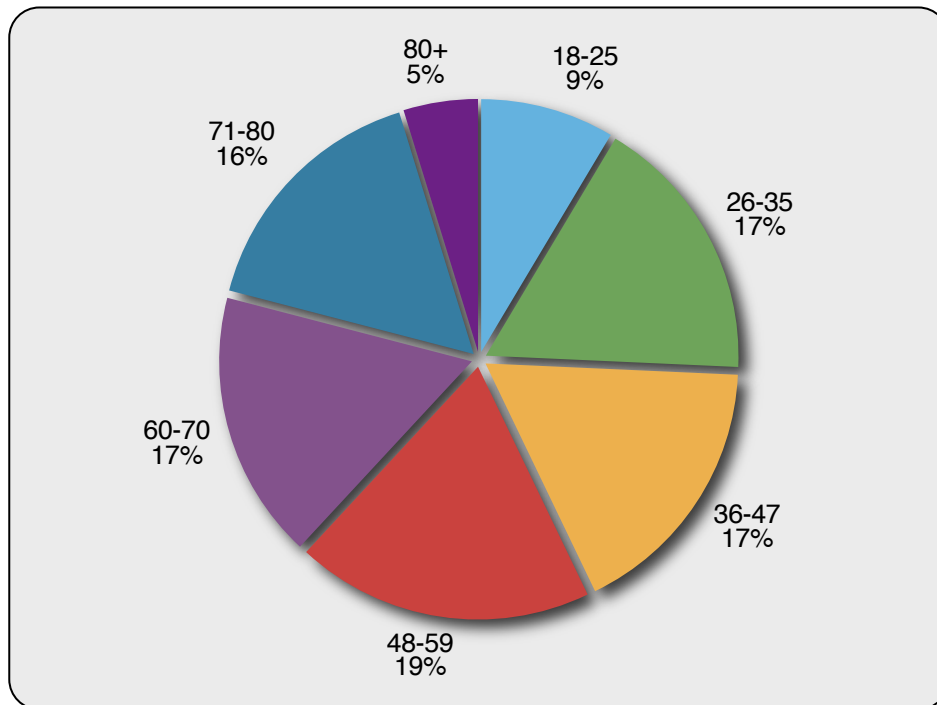
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### 3. Research Findings

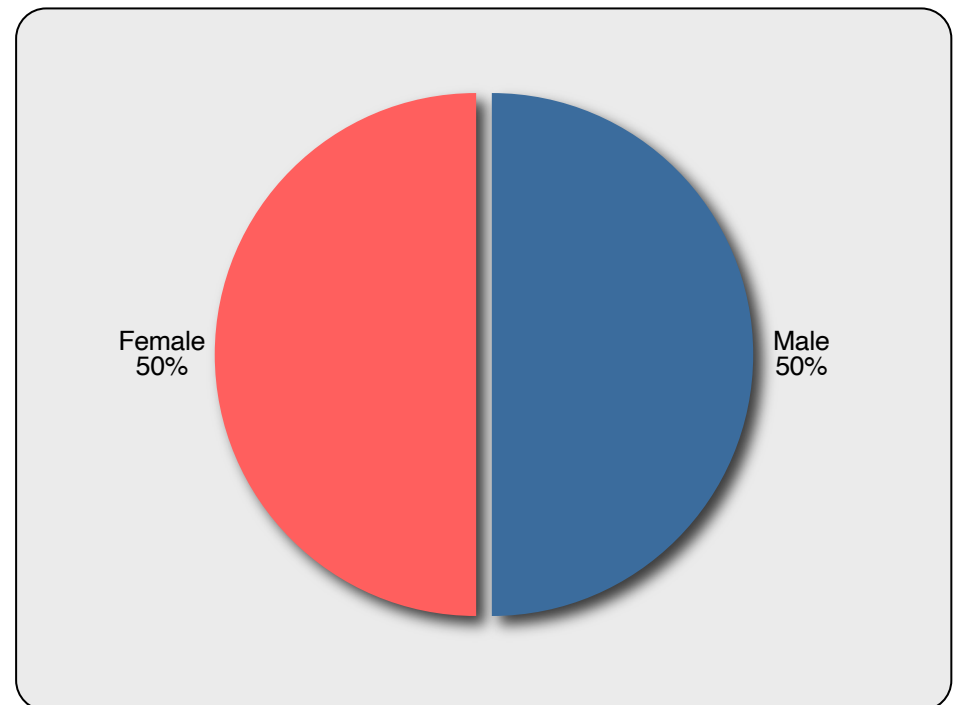
# Age Groups

## ***Q1. What is your age?***

- Interviews undertaken were amongst a representative sample of the Australian population aged 18+ years of age.
- The apportionment of interviews undertaken amongst the age groups used throughout the study (requested by Immunisation Coalition) are illustrated in the bottom left chart.
- A 50/50 gender apportionment between males and females was obtained, illustrated in the bottom right chart.



Age Range of Sample



Gender Apportionment of Sample

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# Overseas Travel

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### 3. Research Findings

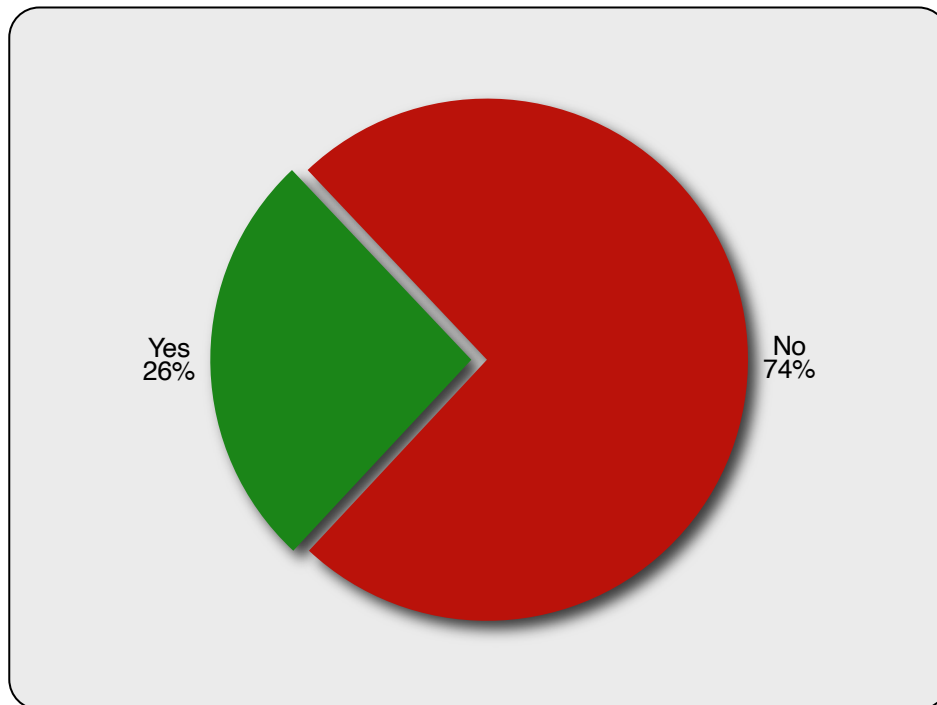
# Travelled Overseas in Last 2 Years

## ***Q2. Have you travelled overseas in the last 2 years?***

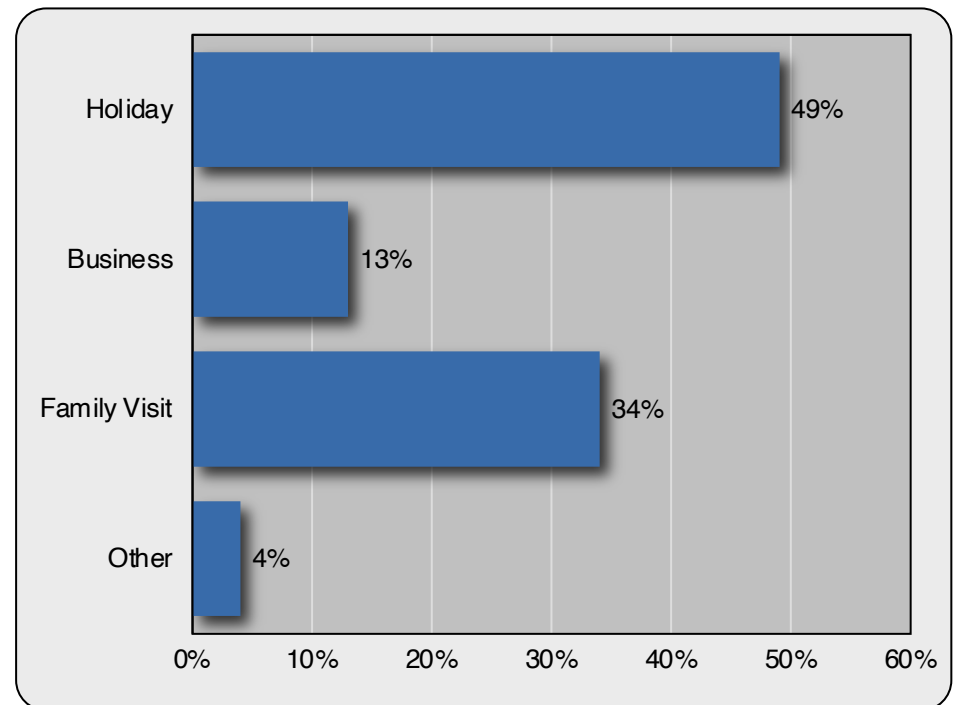
- The overall results to the question, as illustrated in the bottom left chart, show:
  - 26% of the sample answered “Yes”, that they had travelled overseas in the last 2 years and 74% answered “No”

### **Holiday the Main Reason**

- As illustrated in the bottom right chart, the main reason for travelling overseas in the last 2 years was “Holiday” stated by 49% of the sample, followed by “Family Visit” (34%) and “Business” (13%) with 4% of the sample providing other reasons such as volunteer work and military service.



Percentage Who Travelled Overseas in Last 2 Years



Main Reason for Traveling Overseas in Last 2 Years

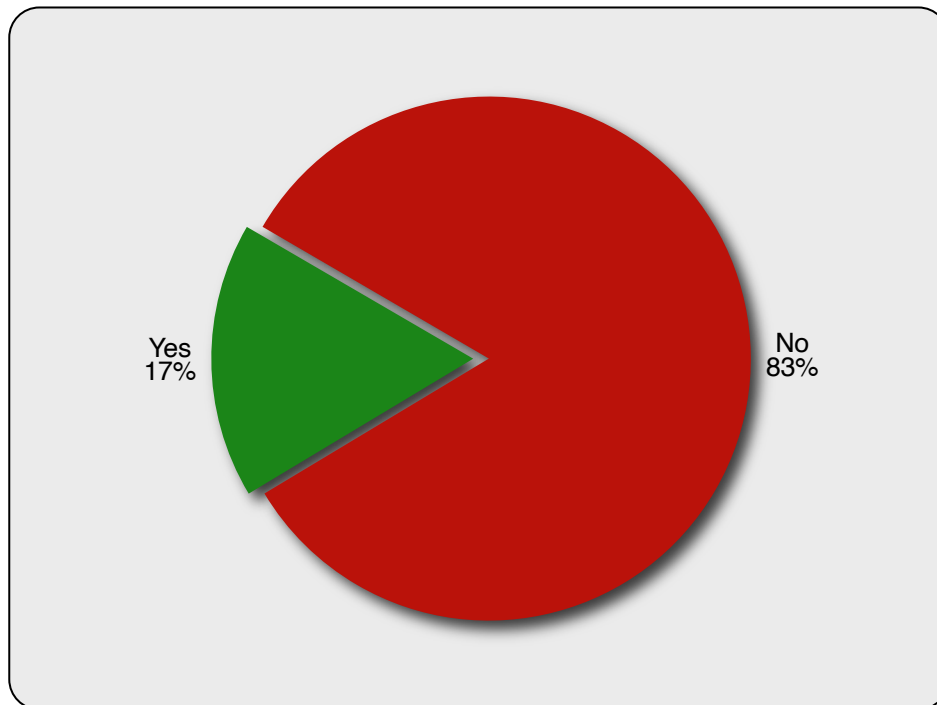
# Travel Overseas in Next 12 Months

## ***Q3. Will you travel overseas in the next 12 months?***

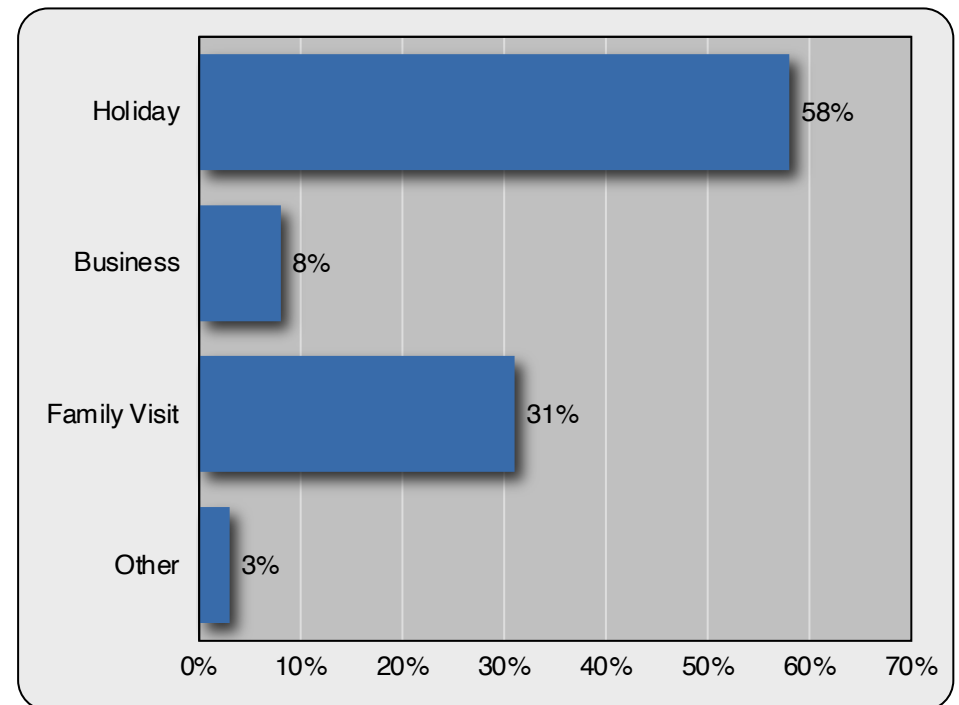
- The overall results to the question, as illustrated in the bottom left chart, show:
  - 17% of the sample answered “Yes”, that they intend to travel overseas in the next 12 months and 83% answered “No”

### **Holiday the Main Reason**

- As illustrated in the bottom right chart, the main reason for intended travel overseas in the next 12 months was “Holiday” stated by 58% of the sample, followed by “Family Visit” (31%) and “Business” (8%) with 3% of the sample providing other reasons, such as undertaking education.



Percentage of Australians Who Intend to Travel Overseas in Next 12 Months



Main Reason for Intended Travel Overseas in the Next 12 Months

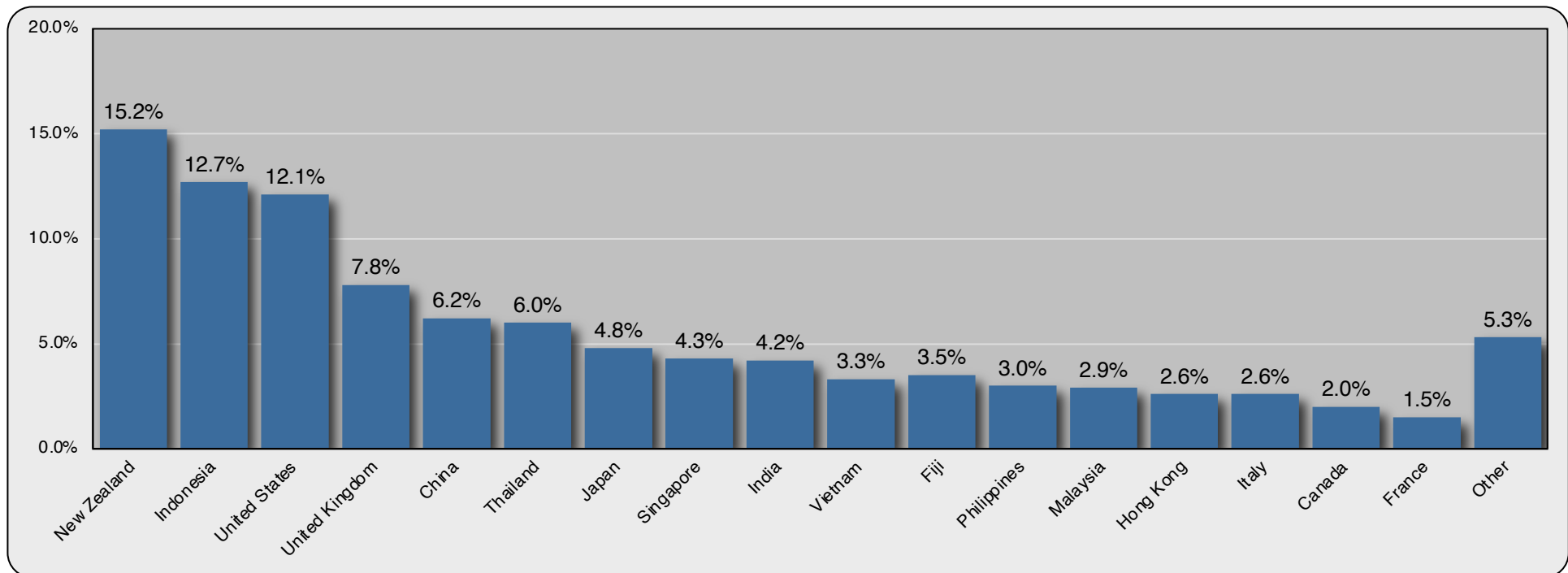


### 3. Research Findings

# Countries Planned to Visit

## ***Q4. In which country will you spend most of your time?***

- The overall results to the question, as illustrated in the bottom chart show:
  - The main destination given was “New Zealand”, accounting for 15.2% of overall responses
  - The second main destination given was “Indonesia”, accounting for 12.7% of overall responses
  - The third main destination given was “United States”, accounting for 12.1% of overall responses
  - The fourth main destination given was “United Kingdom”, accounting for 7.8% of overall responses
  - The fifth main destination given was “China”, accounting for 6.2% of overall responses



Main Countries Australians Plan to Spend Most Time in Next 12 Months

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# Health Status

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### 3. Research Findings

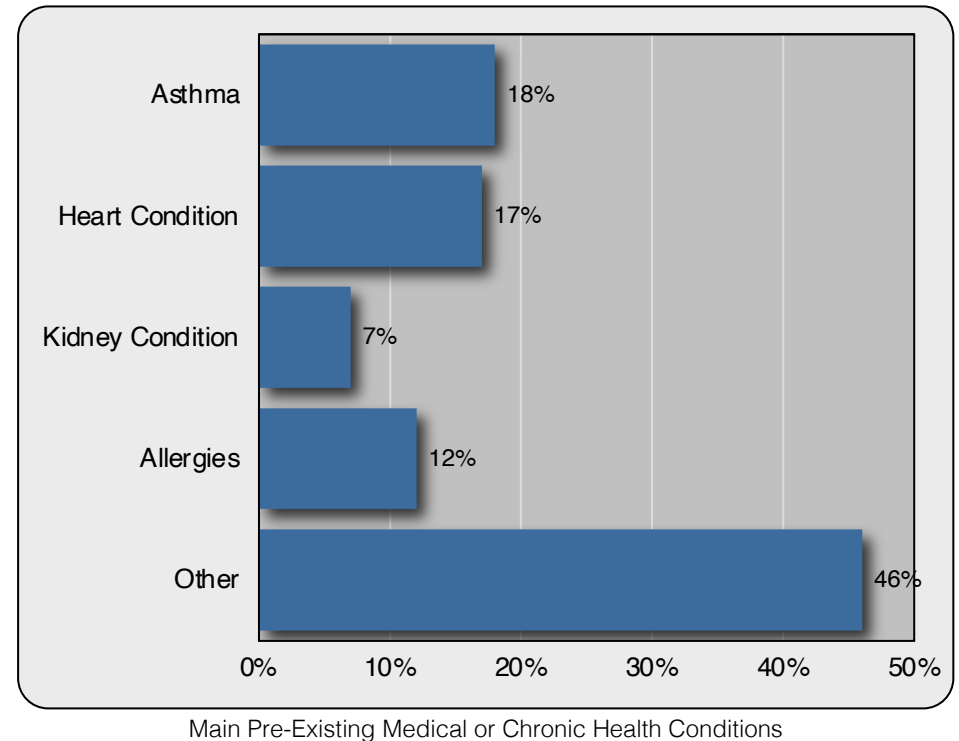
# Pre-Existing & Chronic Health

## ***Q5. Do you have pre-existing medical or chronic health conditions***

- The overall results to the question, as illustrated in the bottom right chart show:
  - “Asthma” was the main medical/health condition, accounting for 18% of overall responses
  - “Heart Condition” was the second main medical/health condition, accounting for 17% of overall responses
  - “Allergies” was the third main medical/health condition, accounting for 12% of overall responses
  - “Kidney Condition” was the fourth main medical/health condition, accounting for 7% of overall responses

### **Other Reasons Given**

- The main “Other” medical/health conditions stated were:
  - Cancer conditions (21%)
  - Diabetes (18%)
  - Lung & Respiratory conditions (excluding Asthma) (14%)
  - Musculoskeletal (excluding Arthritis) (13%)
  - Arthritis (including Rheumatoid) (12%)



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# **Knowledge & Views About Travel Vaccines**

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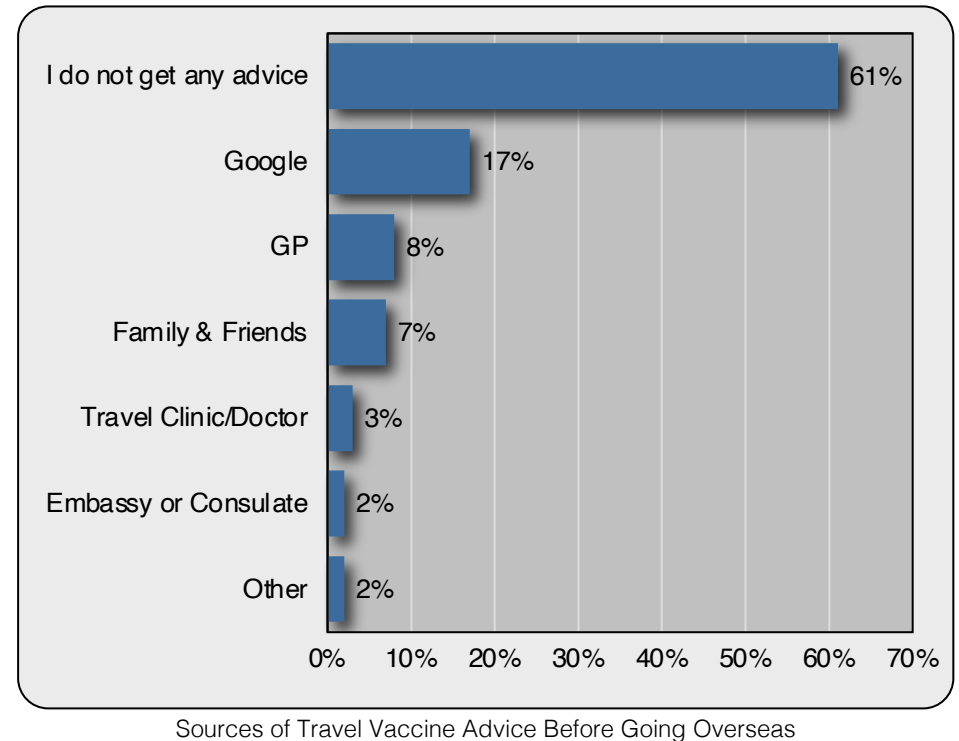
# Travel Vaccine Advice Sources

## ***Q6. Where do you get your vaccine advice before you go overseas?***

- The overall results to the question, as illustrated in the bottom right chart show:
  - The most common response was “I do not get any advice” accounting for 61% of overall responses
  - The second most common response was “Google (web search)” accounting for 17% of overall responses
  - The third most common response was “GP” accounting for 8% of overall responses
  - “Friends & Family” was the fourth most common response, accounting for 7% of overall responses
  - “Travel Clinic/Doctor” was the fifth most common response, accounting for 3% of overall responses
  - “Embassy or Consulate” was the sixth most common response, accounting for 2% of overall responses
  - “Other” sources were given by 2% of overall responses

### **Age the Main Determinant of Information Source**

- There was found to most difference pertaining to the information sources based on age, where:
  - 78% of those who responded “I do not get any advice” were aged 18-36
  - 62% of those who responded “Google” were aged 18-36
  - 67% of those who responded “GP” were aged 60+

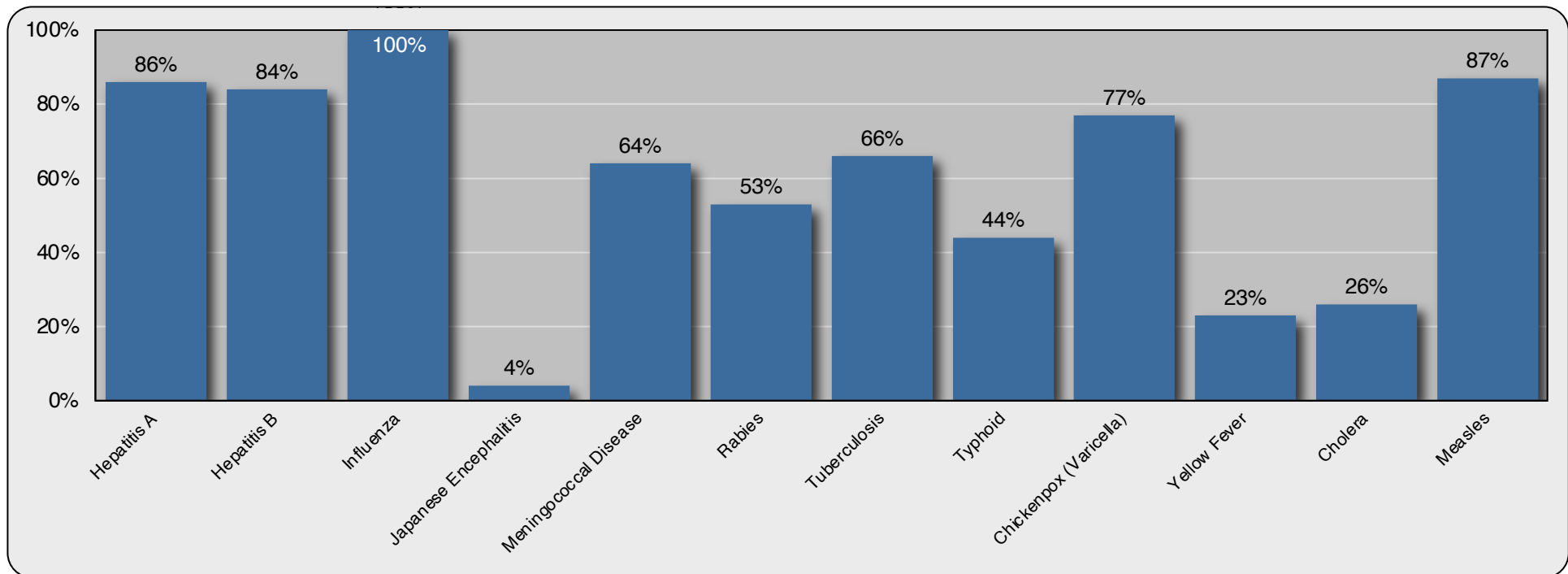


### 3. Research Findings

# Familiar with Specific Diseases

## ***Q7. Are you familiar with any of the following diseases?***

- The overall results to the question, as illustrated in the below chart show:
  - “Influenza” had the most familiarity, where 100% said they were familiar with it
  - “Measles” had the second highest level of familiarity, where 87% said they were familiar with it
  - “Hepatitis A” had the third highest level of familiarity, where 86% said they were familiar with it
  - “Hepatitis B” had the fourth highest level of familiarity, where 84% said they were familiar with it
  - “Chickenpox” had the fifth highest level of familiarity, where 77% said they were familiar with it
  - “Tuberculosis” had the sixth highest level of familiarity, where 66% said they were familiar with it
  - “Meningococcal Disease” had the seventh highest level of familiarity, where 64% said they were familiar with it



Familiarity With Specific Diseases

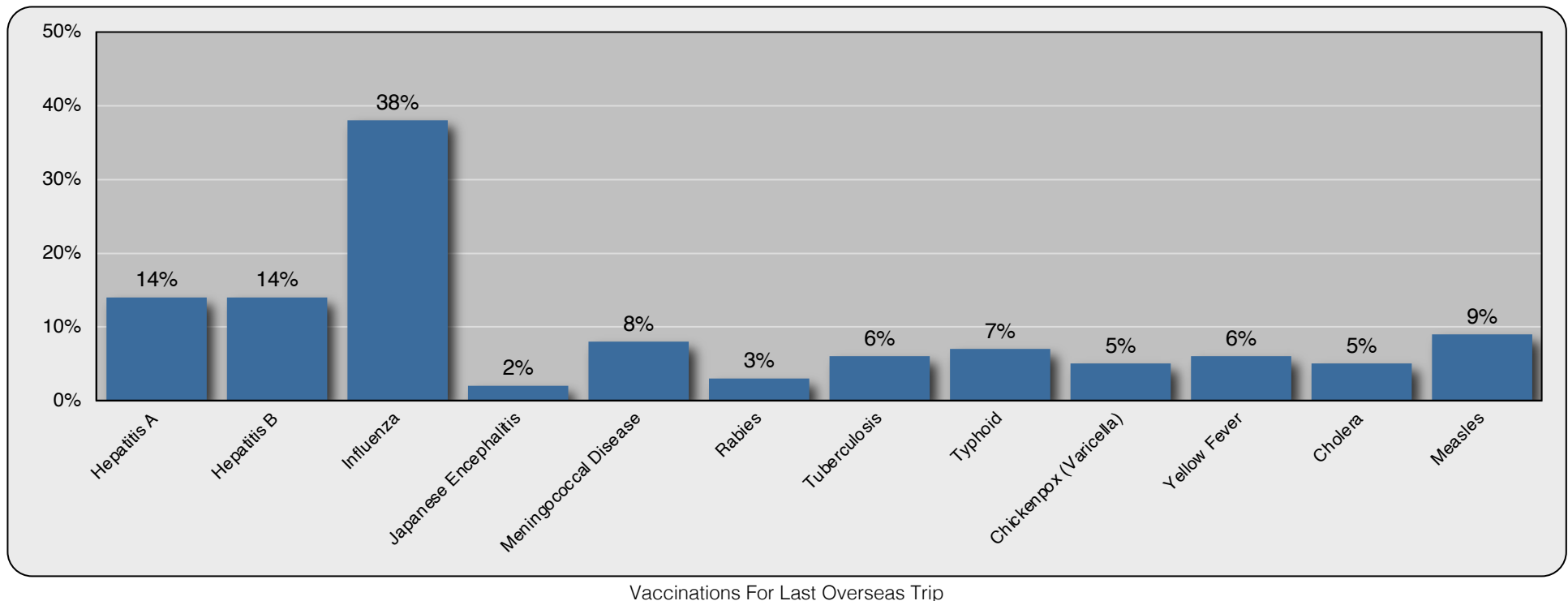
# Vaccinated Against Specific Diseases

## ***Q8. Did you get vaccinated against any of the following on your last overseas trip?***

- The overall results to the question, as illustrated in the below chart show:
  - “Influenza” had the largest response, where 38% said they had the vaccination
  - “Hepatitis A & B” had the equal second highest response, where 14% said they had both vaccinations

### **Declined Vaccines**

- The main reasons for declining vaccinations were because they didn't think it necessary (55%), followed by they don't believe vaccines are good for their body (17%), followed by the cost was too high (16%).



### 3. Research Findings

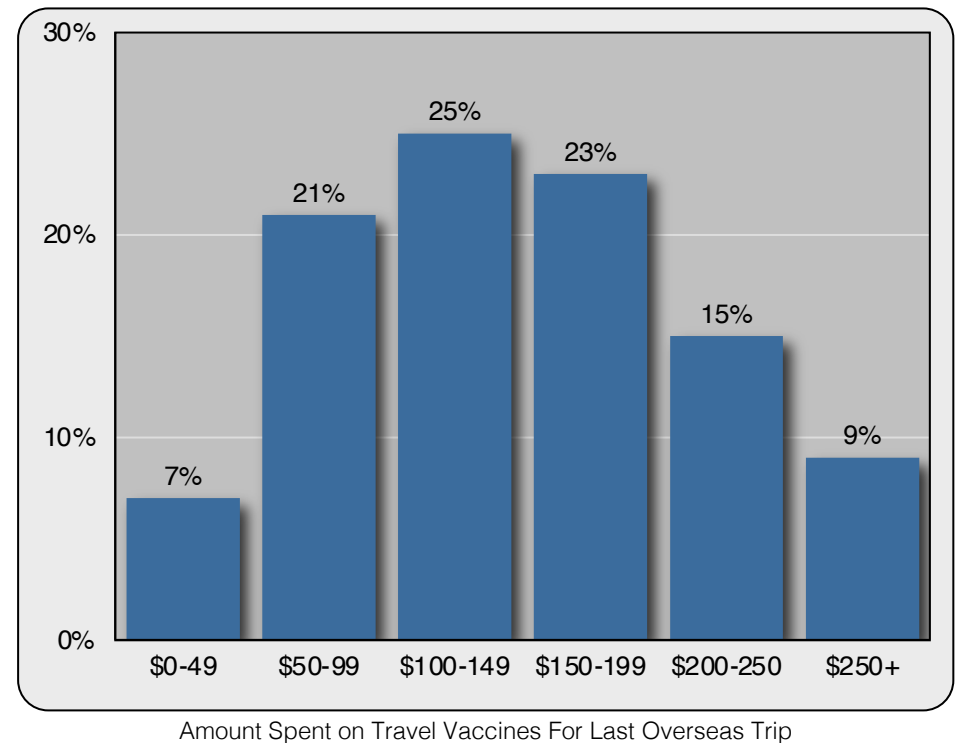
# Amount Spent on Travel Vaccines

## ***Q9. How much did you spend on travel vaccines for that trip?***

- The overall results to the question, as illustrated in the bottom right chart show:
  - The most common amount spent fell within the “\$100-149” range
  - “\$150-199” was the second most common range spent
  - “\$50-99” was the third most common range spent

### **Higher Income Households Spent More**

- Household income was found to be the main influencer in terms of the amount spent on travel vaccines for the last trip, where:
  - The average amount spent on travel vaccines for the last trip by those from households with annual income above \$100,000 was \$173
  - Conversely, \$62 was the average amount spent by those from households with annual income less than \$50,000





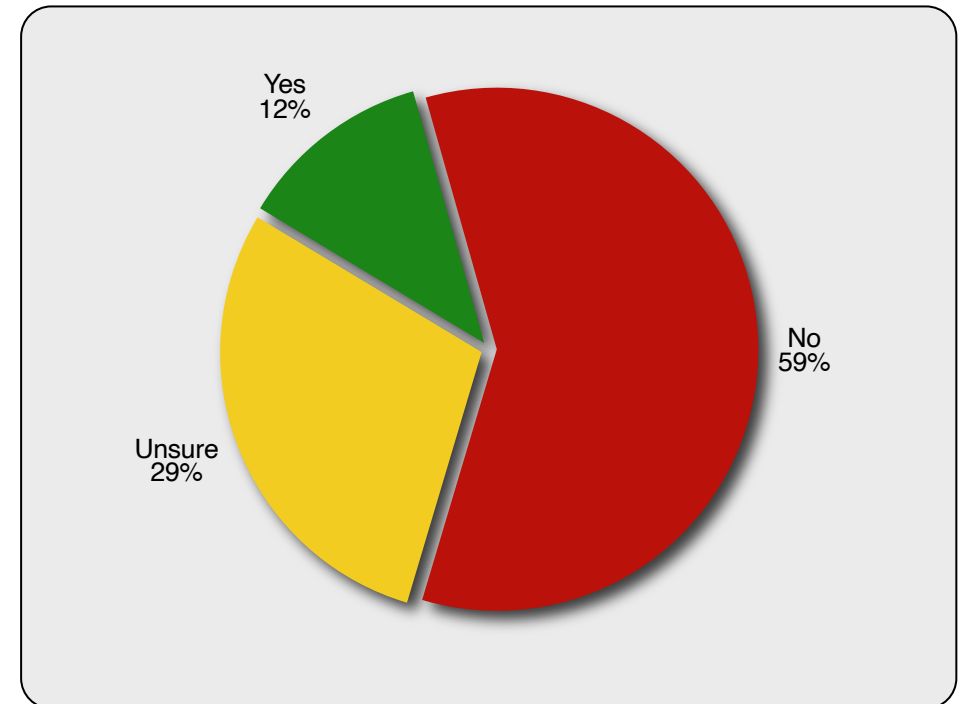
# Awareness of Vaccines for Next Trip

## ***Q10. Are you aware of the vaccines you will need for your next overseas trip?***

- The overall results to the question, as illustrated in the bottom right chart show:
  - 59% of the sample answered “No”, that they were not aware of the vaccines they will need for their next overseas trip
  - 29% of the sample answered “Unsure”, that they were unsure of the vaccines they will need for their next overseas trip
  - 12% of the sample answered “Yes”, that they were aware of the vaccines they will need for their next overseas trip

### **Older & Wealthier Slightly More Aware**

- The only difference was found to be amongst older and wealthier people who had higher levels of awareness, specifically:
  - 16% of those aged 48+ answered “Yes”
  - 17% of those with annual household income of \$100,000+ answered “Yes”



Awareness of Vaccines Needed for Next Overseas Trip

### 3. Research Findings

# Plan for Vaccines Before Next Trip

## ***Q11. Do you plan to get your travel vaccines before your next overseas trip?***

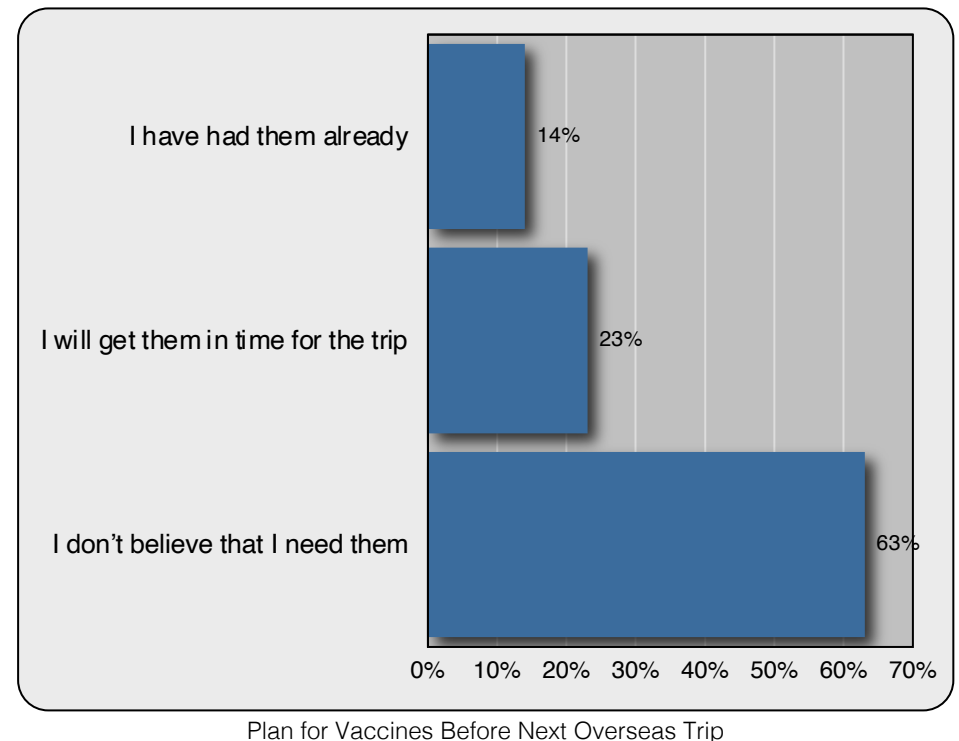
- The overall results to the question, as illustrated in the bottom right chart show:
  - The most common response was “I don’t believe that I need them” given by 63% of overall responses
  - The second common response was “I will get them in time for the trip” given by 23% of overall responses
  - The third most common was “I had had them already” given by 14% of overall responses

### **Females & Older Most Likely to Have Had or Will Get Vaccines**

- In terms of who were most likely to have had or will get travel vaccines, it was females and older age groups who were the most positive, where:
  - Of those who answered “I already had them” 17% were females and 19% were aged 48+
  - Of those who answered “I will get them in time for the trip” 28% were females and 26% were aged 48+

### **Younger Age Groups & Males Don’t Believe They Need**

- Younger age groups and males where the highest in answering “I don’t believe that I need them”, where:
  - 71% were aged 18-35
  - 74% were male



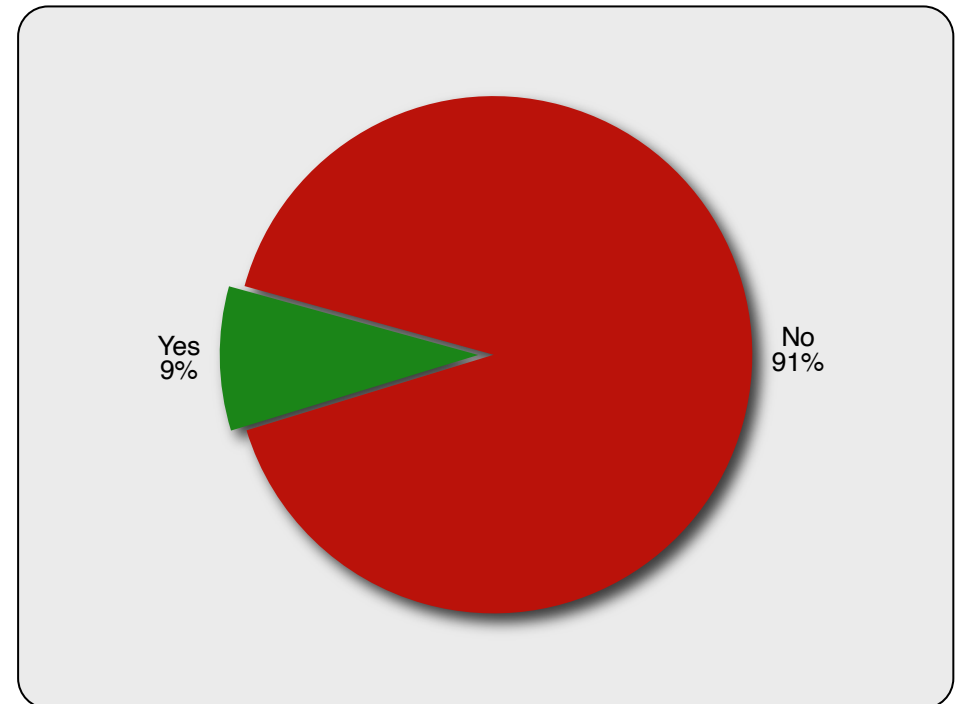
# Countries & Proof of Vaccination

## ***Q12. Are you aware that in some countries you need proof of vaccination against specific diseases as a condition of entry?***

- The overall results to the question, as illustrated in the bottom right chart show:
  - 91% of the sample answered “No”, that they were not aware that some countries require proof of vaccination against specific diseases as a condition of entry
  - 9% of the sample answered “Yes”, that they were aware that some countries require proof of vaccination against specific diseases as a condition of entry

### **Younger Age Groups & Males Most Unaware**

- Younger age groups and males were those with the highest level of non-awareness, where:
  - 93% of those who answered “No”, being unaware that in some countries you need proof of vaccination against specific diseases as a condition of entry, were from the younger age groups 18-35
  - 95% of those who answered “No”, being unaware that in some countries you need proof of vaccination against specific diseases as a condition of entry, were males



Awareness of Some Countries Requiring Proof of Vaccination

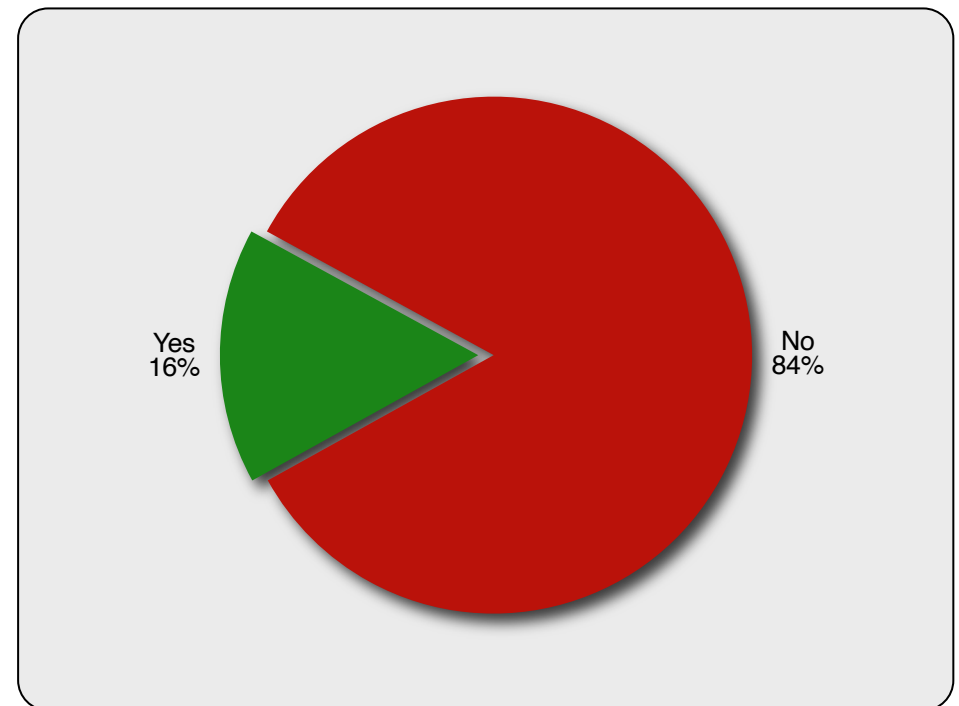
# Measles Vaccination Recommended

***Q13. Are you aware of the recommendation that Australians travelling overseas should ensure they are vaccinated against measles prior to departure?***

- The overall results to the question, as illustrated in the bottom right chart show:
  - 84% of the sample answered “No”, that they were not aware of the recommendation that when travelling overseas, they should ensure they are vaccinated against measles prior to departure
  - 16% of the sample answered “Yes”, that they were aware of the recommendation that when travelling overseas, they should ensure they are vaccinated against measles prior to departure

## **Younger Age Groups & Males Most Unaware**

- Younger age groups and males were those with the highest level of non-awareness, where:
  - 87% of those who answered “No”, being unaware that there is a recommendation to be vaccinated against measles prior to departing Australia, were from the younger age groups 18-35
  - 89% of those who answered “No”, being unaware that there is a recommendation to be vaccinated against measles prior to departing Australia, were males



Awareness of Recommendation for Measles Vaccination

### 3. Research Findings

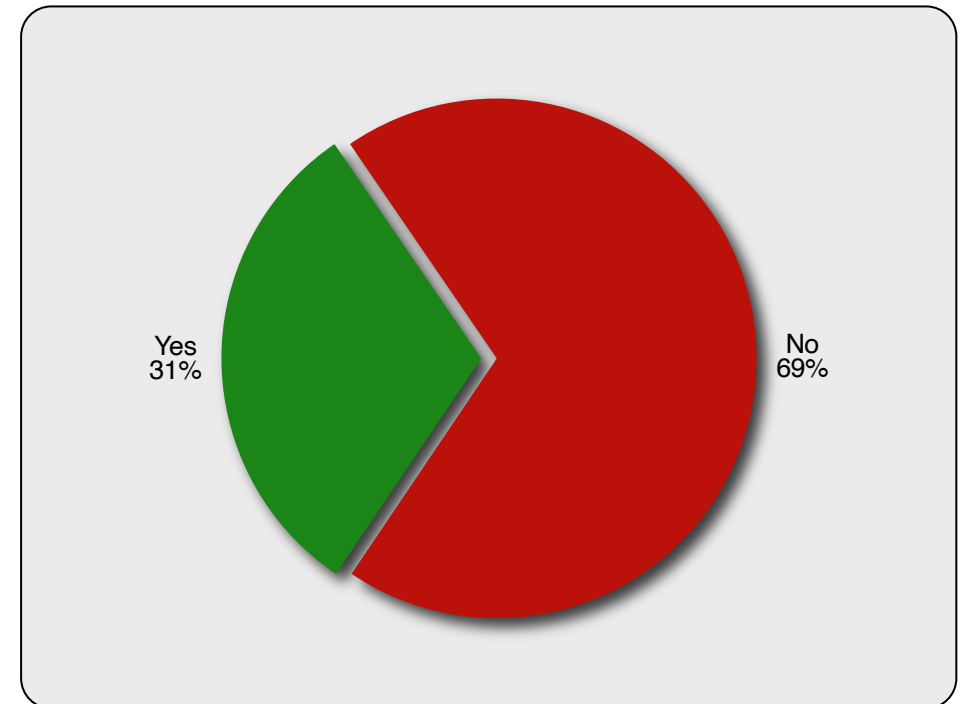
# Hepatitis A & Typhoid

***Q14. Are you aware that travellers to some countries should be up to date with Hepatitis A and Typhoid vaccines, including any country where bottled water is recommended?***

- The overall results to the question, as illustrated in the bottom right chart show:
  - 69% of the sample answered “No”, that they were not aware they should be up to date with Hepatitis A and Typhoid vaccines to some countries, including any where bottled water is recommended
  - 31% of the sample answered “Yes”, that they were aware they should be up to date with Hepatitis A and Typhoid vaccines to some countries, including any where bottled water is recommended

#### **Females & Younger-Middle Aged More Aware**

- The only difference was found to be where females and younger-middle aged people had higher levels of awareness, specifically:
  - 38% of females answered “Yes”
  - 35% of those aged 18-47 answered “Yes”



Awareness of Hepatitis A & Typhoid Vaccines for Some Countries

### 3. Research Findings

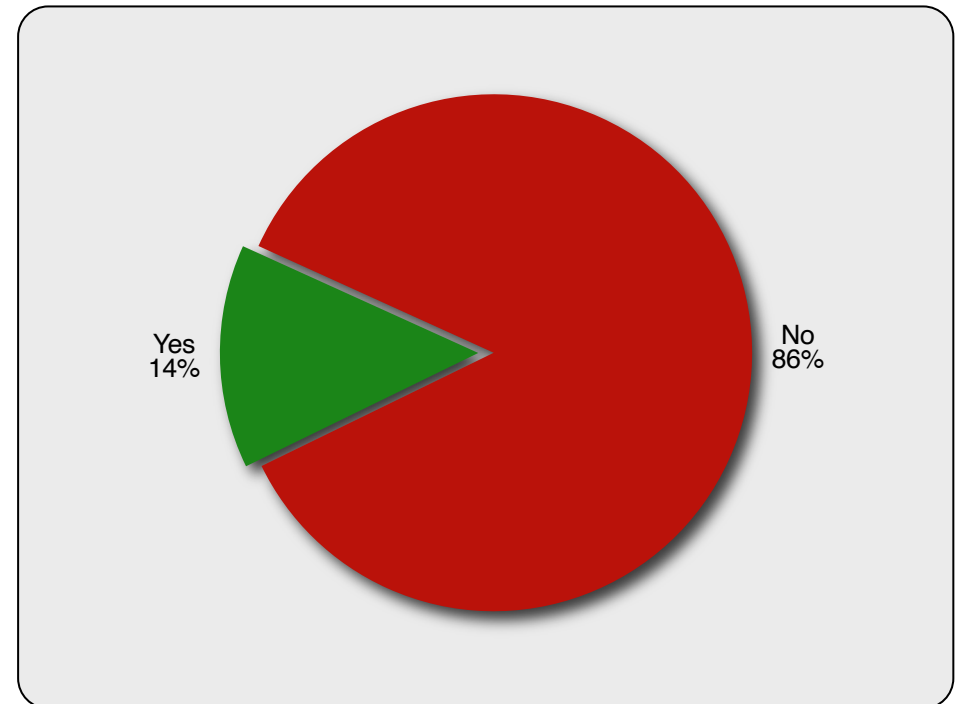
# Meningococcal Disease

## ***Q15. Do you know that Meningococcal disease vaccine may be recommended for certain destinations?***

- The overall results to the question, as illustrated in the bottom right chart show:
  - 86% of the sample answered “No”, that they were not aware that Meningococcal disease vaccine may be recommended for certain destinations
  - 14% of the sample answered “Yes”, that they were aware that Meningococcal disease vaccine may be recommended for certain destinations

### **Females & Middle-Aged More Aware**

- The only difference was found to be where females and middle-aged people had higher levels of awareness, specifically:
  - 17% of females answered “Yes”
  - 21% of those aged 36-47 answered “Yes”



Awareness of Meningococcal Vaccine Recommended for Certain Destinations

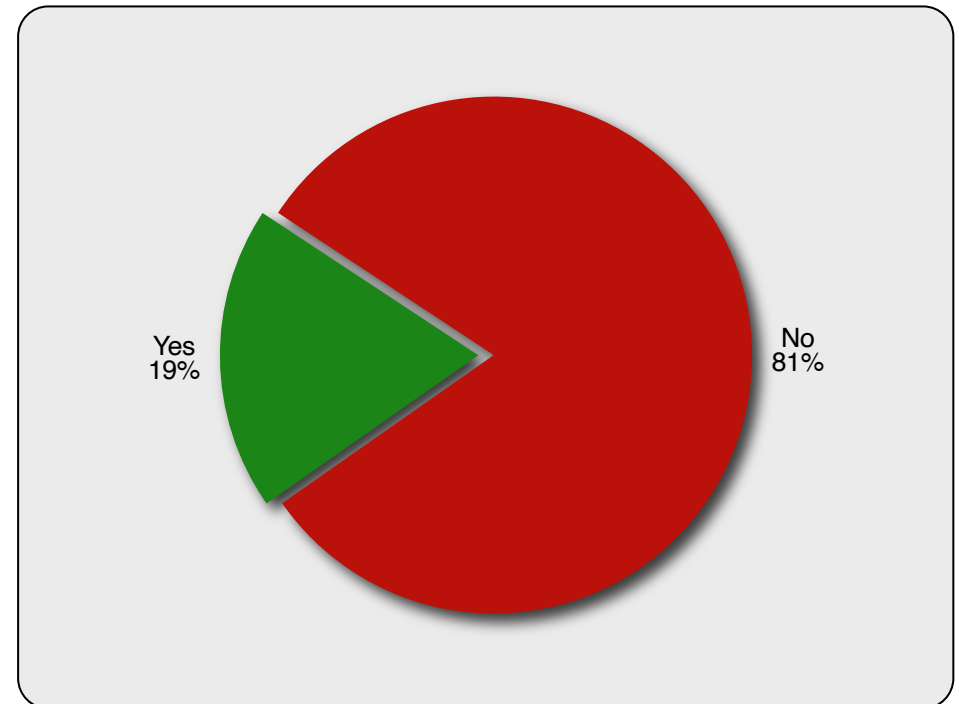
# Vaccines Requiring Multiple Doses

***Q16. Do you know that some vaccines require more than one dose, so it is important to start the course well in advance of travel?***

- The overall results to the question, as illustrated in the bottom right chart show:
  - 81% of the sample answered “No”, that they were not aware that some vaccines require more than one dose
  - 19% of the sample answered “Yes”, that they were aware that some vaccines require more than one dose

## **Females & Older More Aware**

- The only significant difference was found to be where females and older people had higher levels of awareness, specifically:
  - 23% of females answered “Yes”
  - 24% of those aged 48+ answered “Yes”



Awareness of Some Vaccines Requiring More Than One Dose