

Travel Medicine - a non sharps approach

Briar K. Campbell & Jenny Visser
September 2017





FENWAY PARK

GATE B • ENTRANCE ALL SECTIONS
IPSWICH STREET

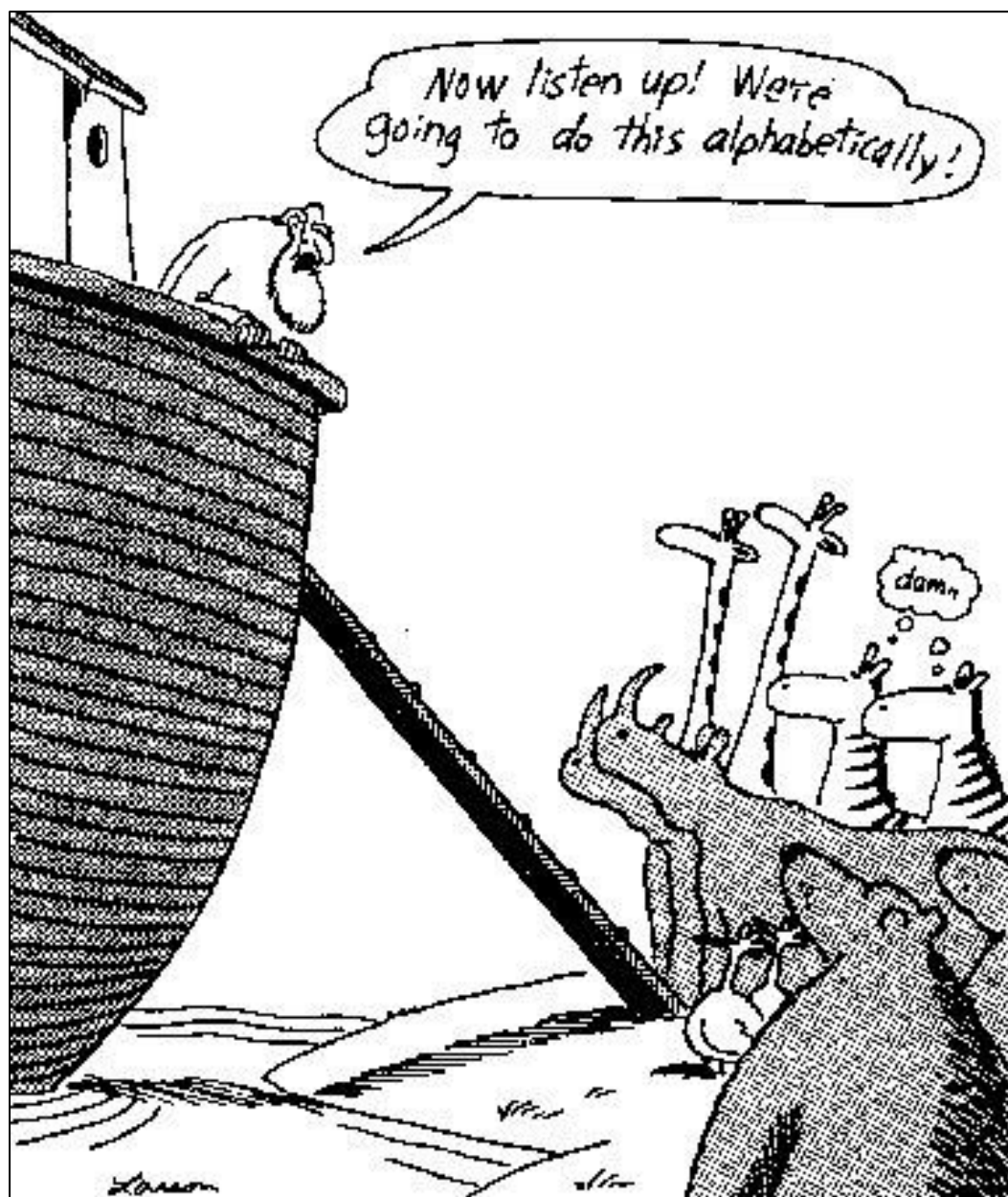
Environmentally Friendly Fuel

maepa

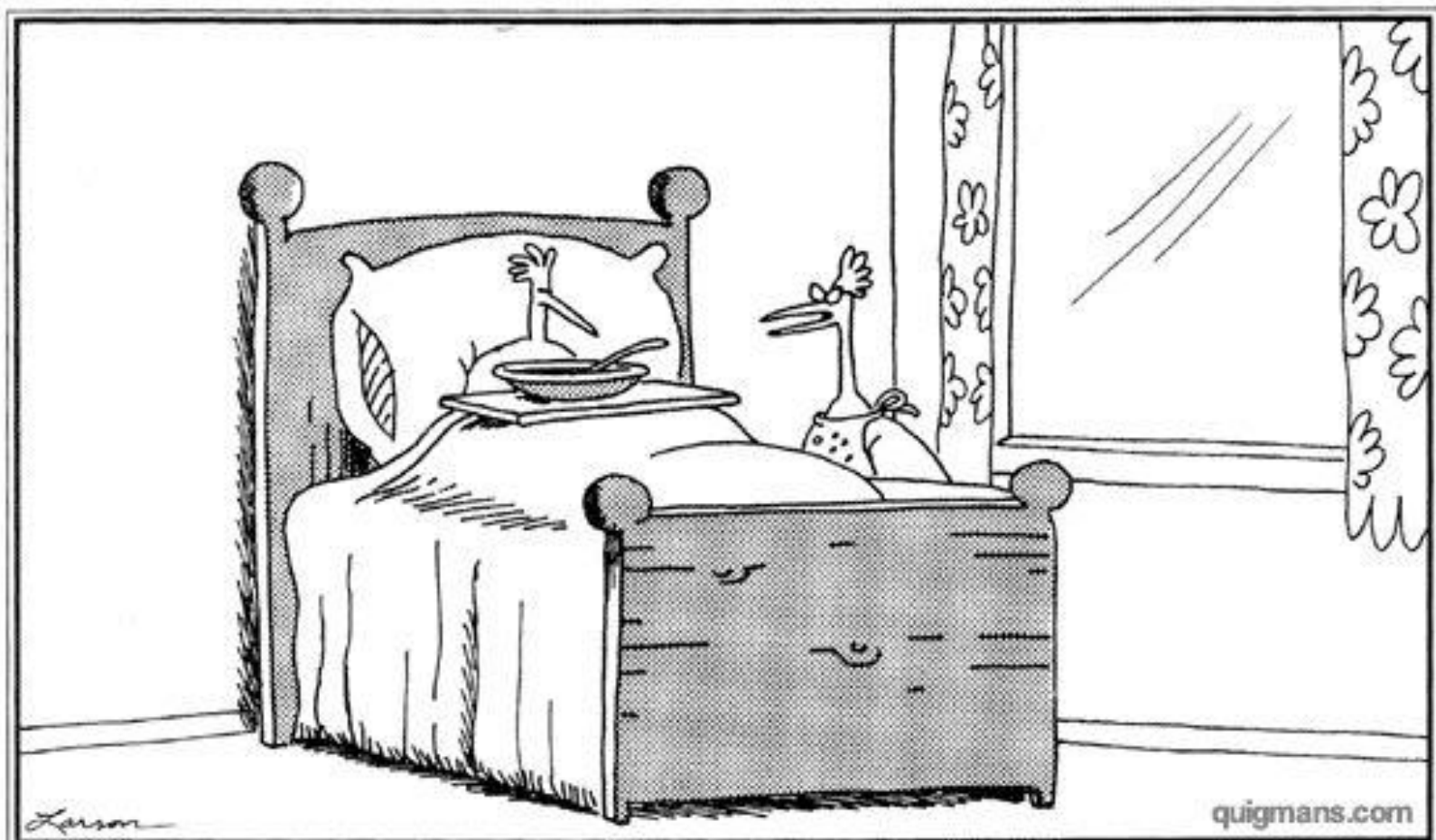
What to Expect.....

- Travellers & flying kiwi's
- Emerging markets & implications in primary health care ; VFRs
- Travelling with kids/school groups
- Pre travel health care consult & risk assessment/communication
- What are the vaccine & **non-vaccine** preventable risks?
- Destinations, need to know?
- TD & vector borne disease
- Travel & DVT risk
- Travel health care resources









"Quit complaining and eat it! ... Number one, chicken soup is good for the flu—and number two, it's nobody we know."

DONATION BOX
FOR FREE MEDICAL
TREATMENT FOR THE POOR
THANK YOU

“Prevention is Better than Cure”
सौराहा हेल्थ सेन्टर
मेडिकल हल एण्ड क्लिनिक
०८०-५६-५८०९३३

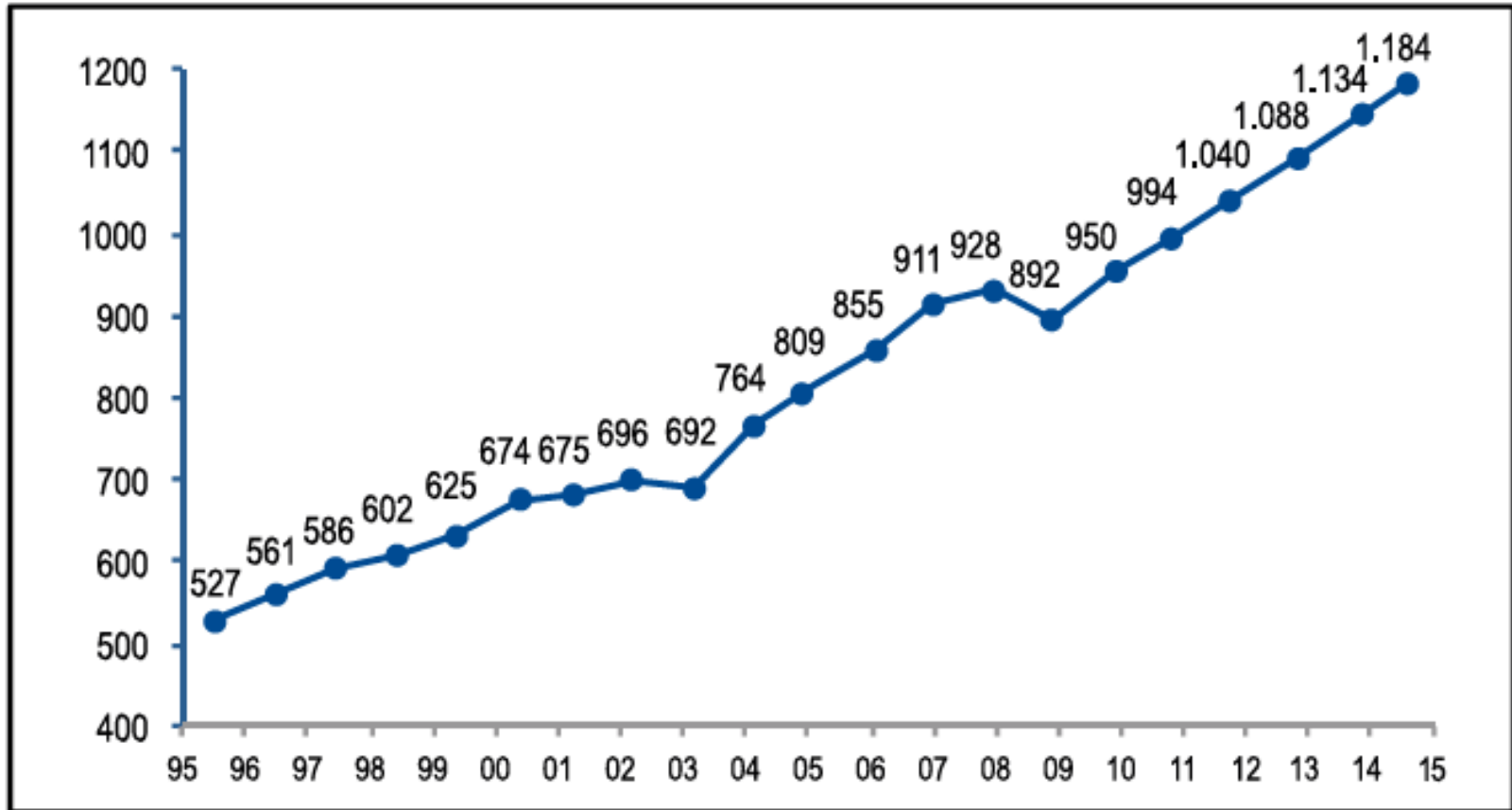
“Prevention is better than Cure”

- ← Examination Room.
- ← Inpatient Room.
- ← Nebulizer, Dressing Room.
- ← Dental Room.

NO SMOKING



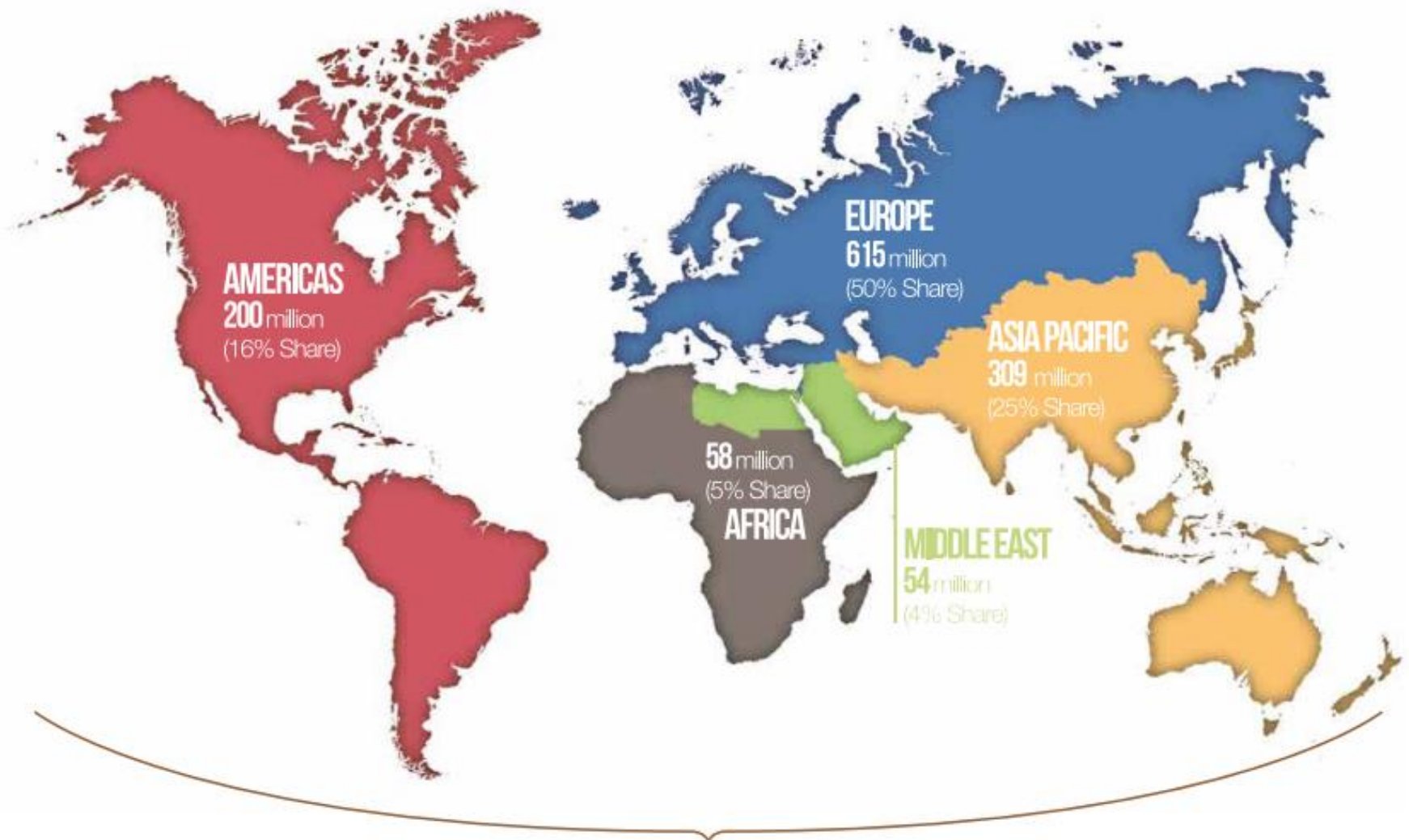
International Tourist Arrivals



Source: World Tourism Organisation UNWTO

- **2015 = 1,184** Million Tourist Arrivals
- **4.4% increase (50 million more)** on previous year

INTERNATIONAL TOURIST ARRIVALS 2016



WORLD: 1,235 MILLION

Keeping it Local - Regional Travel

“..80% of travel takes place within travellers own region...”

Source: UNWTO 2015



Emerging Markets

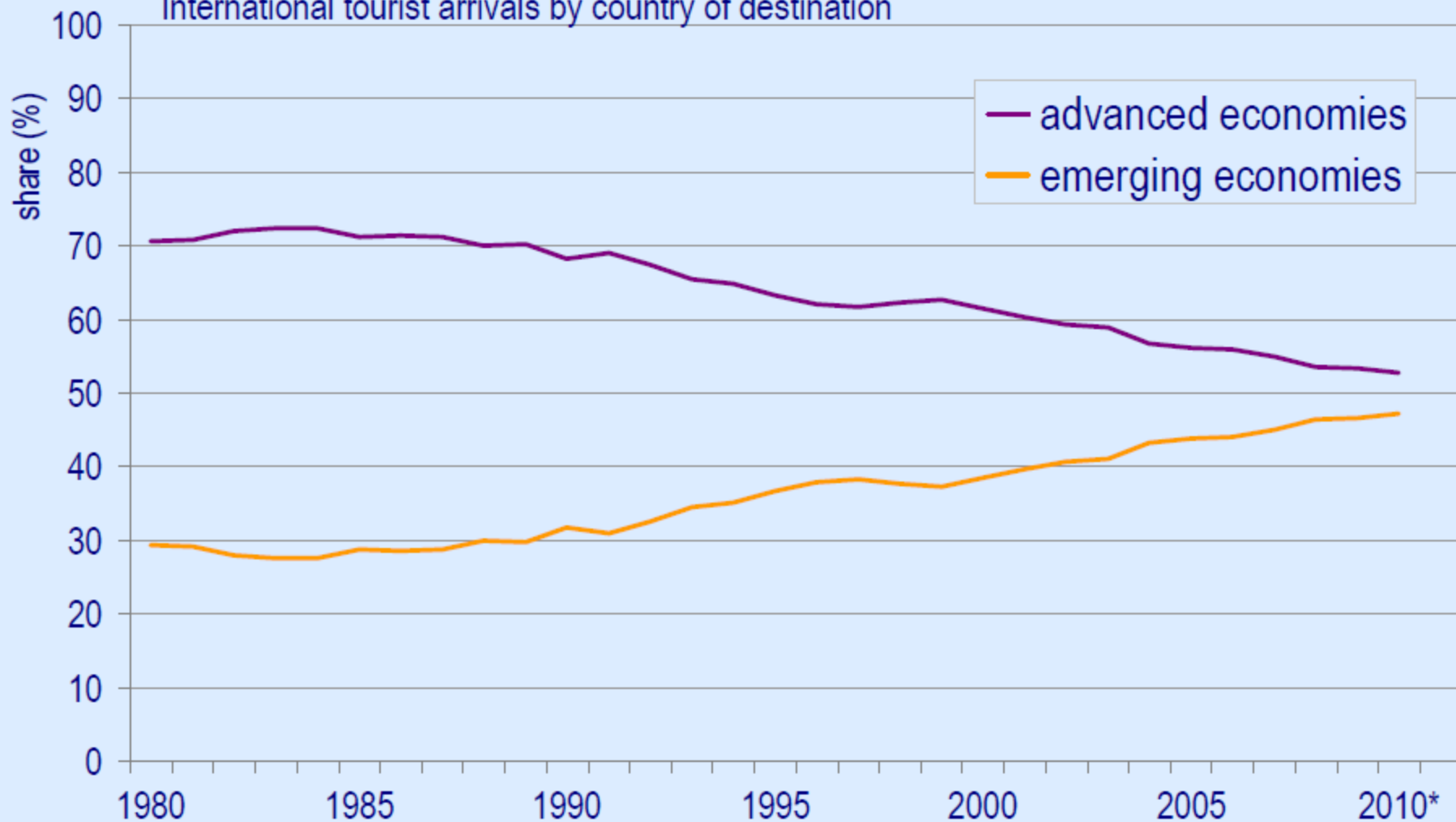
- China
- India
- South East Asia
- Eastern Europe
- Latin America
- Africa

Tourism Intelligence International



Growth driven by emerging destinations

International tourist arrivals by country of destination

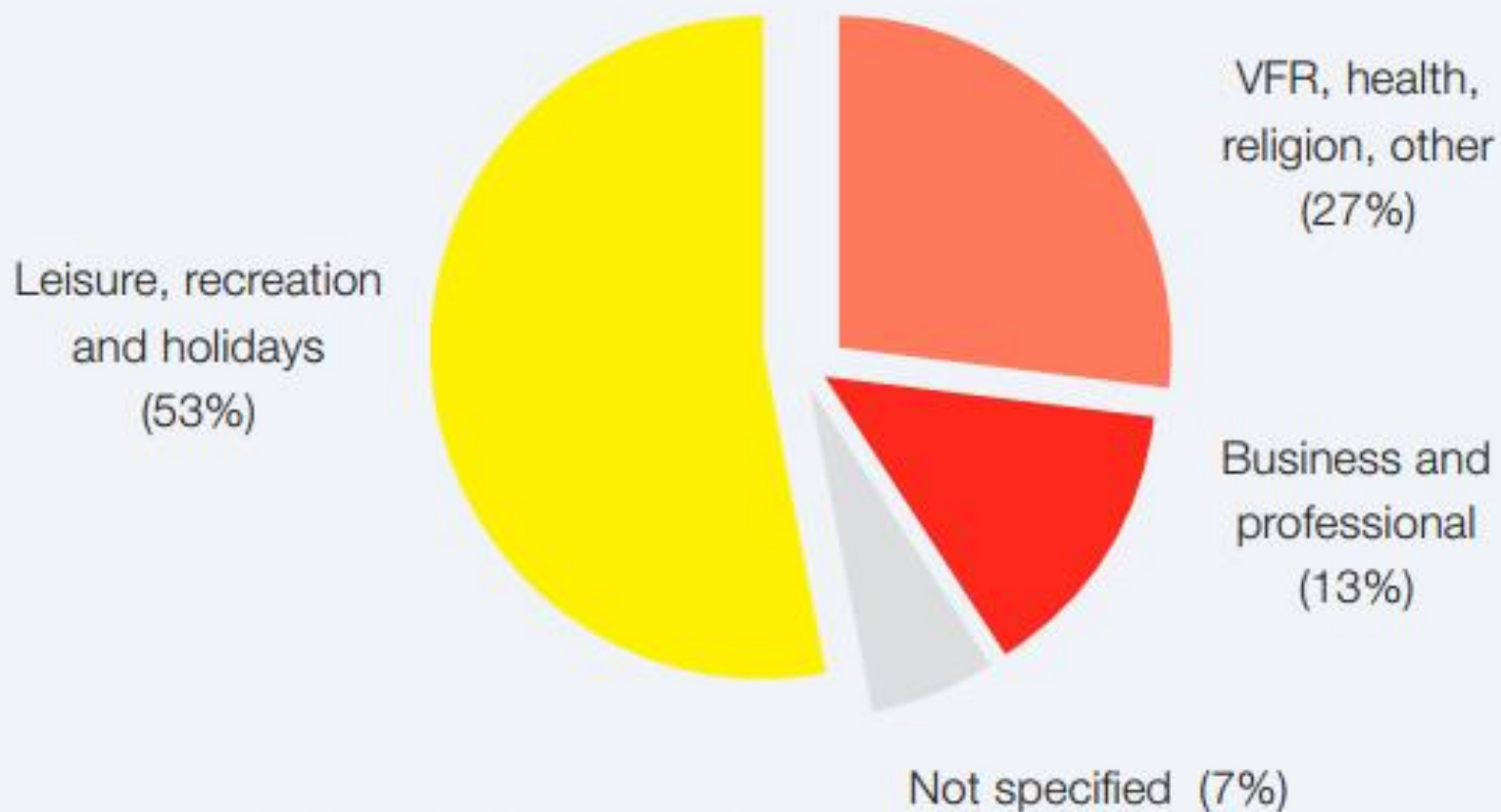


Source: World Tourism Organization



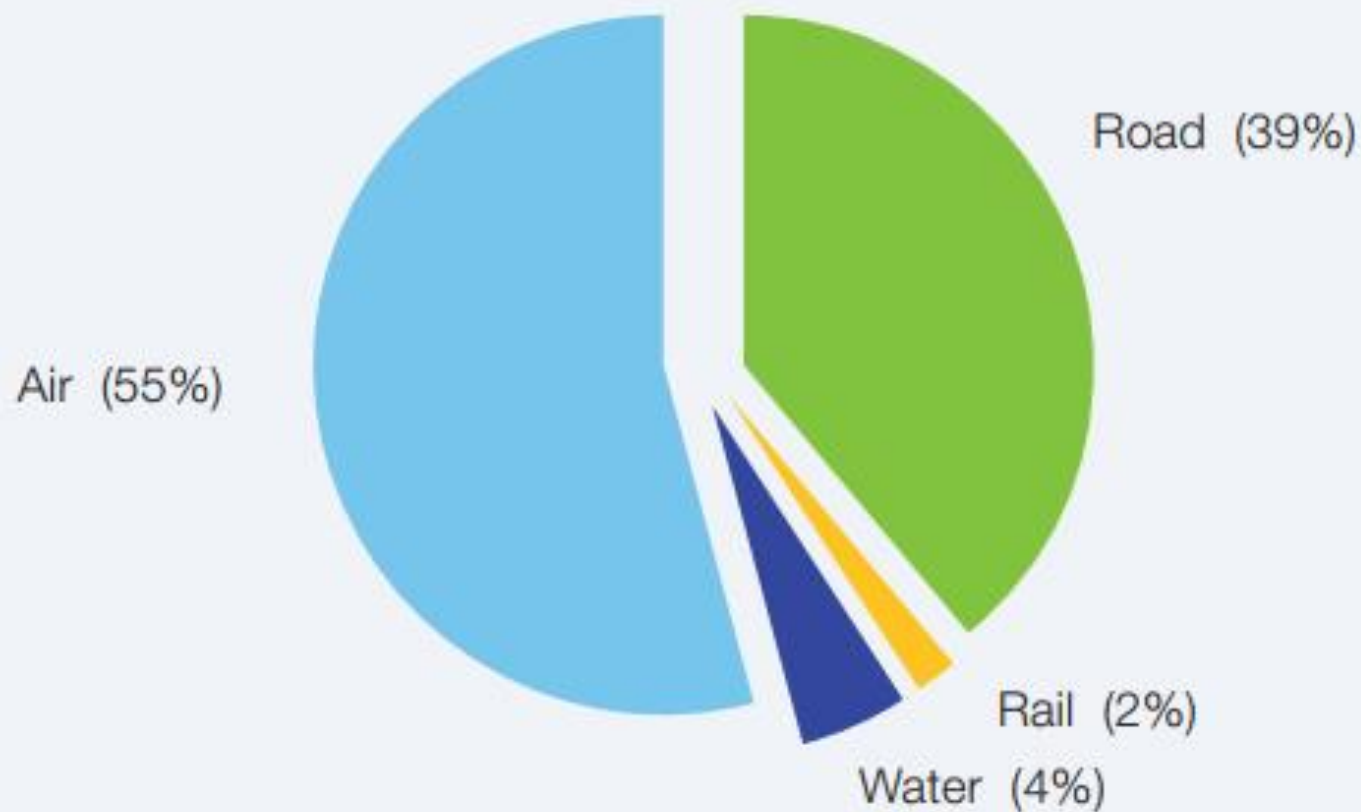


Inbound Tourism; Purpose 2016



Source: World Tourism Organization (UNWTO) ©

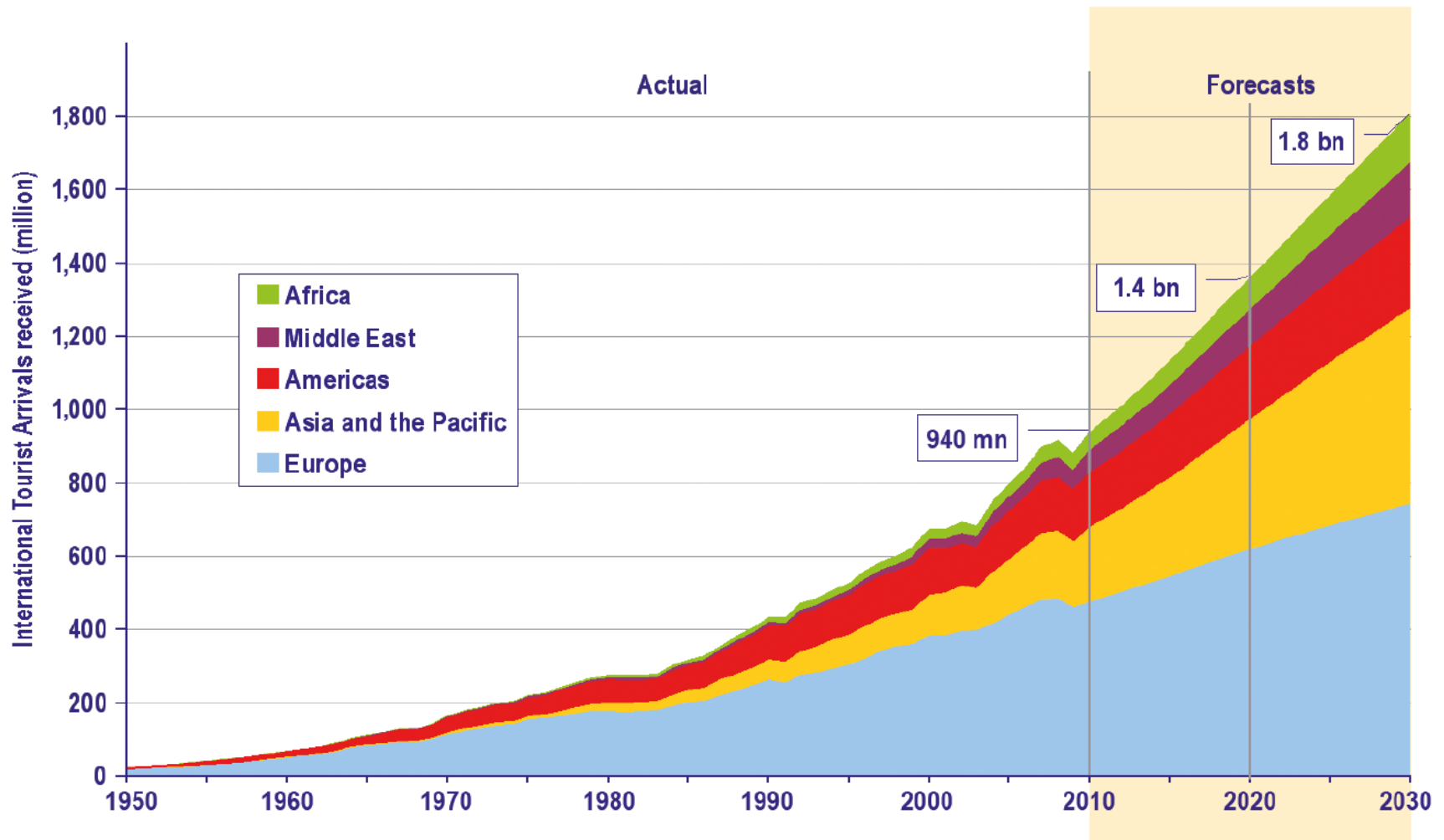
Inbound Tourism; Mode of Transport 2016



Source: World Tourism Organization (UNWTO) ©

International Tourist Arrivals 1950-2030

UNWTO Tourism Towards 2030: Actual trend and forecast 1950-2030



Tourism numbers; faster than.....

- Cheap air travel
- Increased connectivity
- Growing wealth & travel opportunities for citizens of the emerging economies
- Increased development and infrastructure of new destinations





NEWS

Cruise tourists overwhelm Europe's ancient resorts

By Kevin Connolly
BBC News, Dubrovnik

16 July 2017 | Europe



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GETTY IMAGES

Venetians have long complained of the big ships, and they are not alone

ADVERTISEMENT

Double room per night

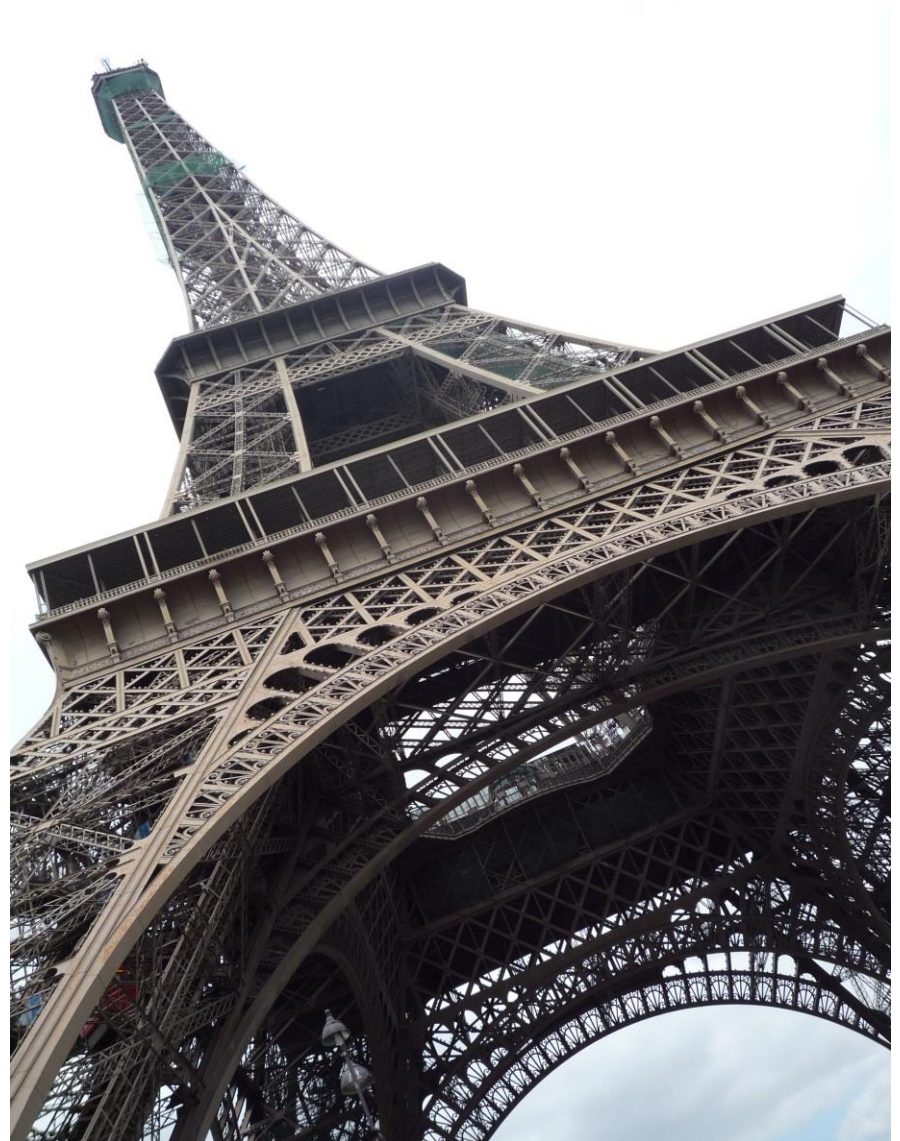


trivago

Top Destinations 2016

- France
- USA
- Spain
- China
- Italy
- United Kingdom
- Germany
- Mexico
- Thailand
- Turkey

World Tourism Organisation, UNWTO 2016



預防人類豬型流感 Prevention of Human Swine Influenza

1. 經常清潔雙手。
Clean hands frequently.
2. 注意咳嗽禮儀。
Maintain cough manners.
3. 保持環境衛生。
Maintain environmental hygiene.
4. 有呼吸道感染徵狀或發燒，應戴上口罩，並及早求醫。切勿自行服藥。不要上班或上學。
If respiratory symptoms or fever develop, wear a mask, see a doctor right away. Do not self-medicate. Do not go to work or school.
5. 必須前往受影響地方的人士，在旅途中和返港後七日內，應佩戴口罩。
People who must travel to affected places should wear a mask during the trip, and continue to do so for 7 days after returning home.

HP 衛生防護中心
Health Protection Centre

www.chp.gov.hk
2833 0111

衛生防護中心
Health Protection Centre

人類豬型流感

摘要

人類豬型流感是由一種名為甲型H1N1的病毒引起。這種病毒在2009年首次發現，並迅速傳播到世界各地。目前，這種病毒仍在全球範圍內傳播，並導致了多起病例。人類豬型流感的症狀包括發燒、咳嗽、流鼻涕、喉嚨痛、肌肉疼痛和疲勞。在某些情況下，它還可能導致嚴重的併發症，如肺炎和呼吸衰竭。為了預防人類豬型流感，建議人們經常清潔雙手，注意咳嗽禮儀，保持環境衛生，並在前往受影響地方時佩戴口罩。

傳播途徑

人類豬型流感病毒主要通过以下途徑傳播：
1. 飛沫傳播：當感染者咳嗽或打喷嚏時，病毒會隨飛沫傳播到他人身上。
2. 接觸傳播：與感染者直接接觸，如握手、擁抱等，也可能傳播病毒。
3. 表面傳播：病毒可以在某些表面上存活一段時間，如果人們接觸了這些表面，也可能感染。

預防方法

為了預防人類豬型流感，建議人們採取以下措施：
1. 經常清潔雙手：使用肥皂和水洗手，或用含酒精的免洗洗手液。
2. 注意咳嗽禮儀：咳嗽或打喷嚏時，用紙巾或肘部遮住口鼻。
3. 保持環境衛生：定期清潔和消毒公共場所。
4. 佩戴口罩：在前往受影響地方時，應佩戴口罩。

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Health Protection Centre

Human Swine Influenza

Summary

Human swine influenza is caused by a virus called H1N1. This virus was first discovered in 2009 and spread rapidly around the world. It is still spreading globally and has caused many cases. The symptoms of human swine influenza include fever, cough, sore throat, muscle aches, and fatigue. In some cases, it can lead to serious complications, such as pneumonia and respiratory failure. To prevent human swine influenza, it is recommended that people frequently clean their hands, maintain cough manners, and wear a mask when traveling to affected areas.

Transmission

Human swine influenza virus is mainly spread through the following ways:
1. Droplet transmission: When an infected person coughs or sneezes, the virus is spread through droplets to others.
2. Contact transmission: Direct contact with an infected person, such as shaking hands or hugging, can also spread the virus.
3. Surface transmission: The virus can survive on some surfaces for a short time. If people touch these surfaces, they may also get infected.

Prevention

To prevent human swine influenza, people should take the following measures:
1. Frequent hand cleaning: Wash hands with soap and water, or use alcohol-based hand sanitizer.
2. Cough manners: Cover the mouth and nose with a tissue or elbow when coughing or sneezing.
3. Environmental hygiene: Regularly clean and disinfect public places.
4. Wearing a mask: Wear a mask when traveling to affected areas.

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HP 衛生防護中心
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成人口罩 FACE MASK (FOR ADULT)

小童口罩 FACE MASK (FOR CHILD)



Factors Influencing Travel

- **Environmental** – global warming & climate change, deforestation, **pollution**, bio-diversity loss, natural disasters (hurricanes, flooding, earthquakes, tsunami)
- **Health** – infectious disease outbreaks e.g. SARS, ZIKA
- **Economic** – currency exchange movements, global recession, **sporting events**, failure of key partners - airlines, tour operators
- **Political** – corruption & instability, civil unrest, genocide, **terrorism**, war, inadequate infrastructure, tourism backlash







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Official advice for New Zealanders
living and travelling overseas

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News features

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Spain: Incident in Las Ramblas, Barcelona



On 17 August 2017, a van drove into a crowd of people in Las Ramblas, Barcelona, Spain resulting in a number of fatalities and injuries.

Local authorities have advised people in the area to stay indoors and that metro and train stations are currently closed. We advise New Zealanders currently in Barcelona to avoid the immediate vicinity and follow the advice provided by the local authorities. Make sure you let your family and friends in New Zealand know that you are okay.

Share this page:

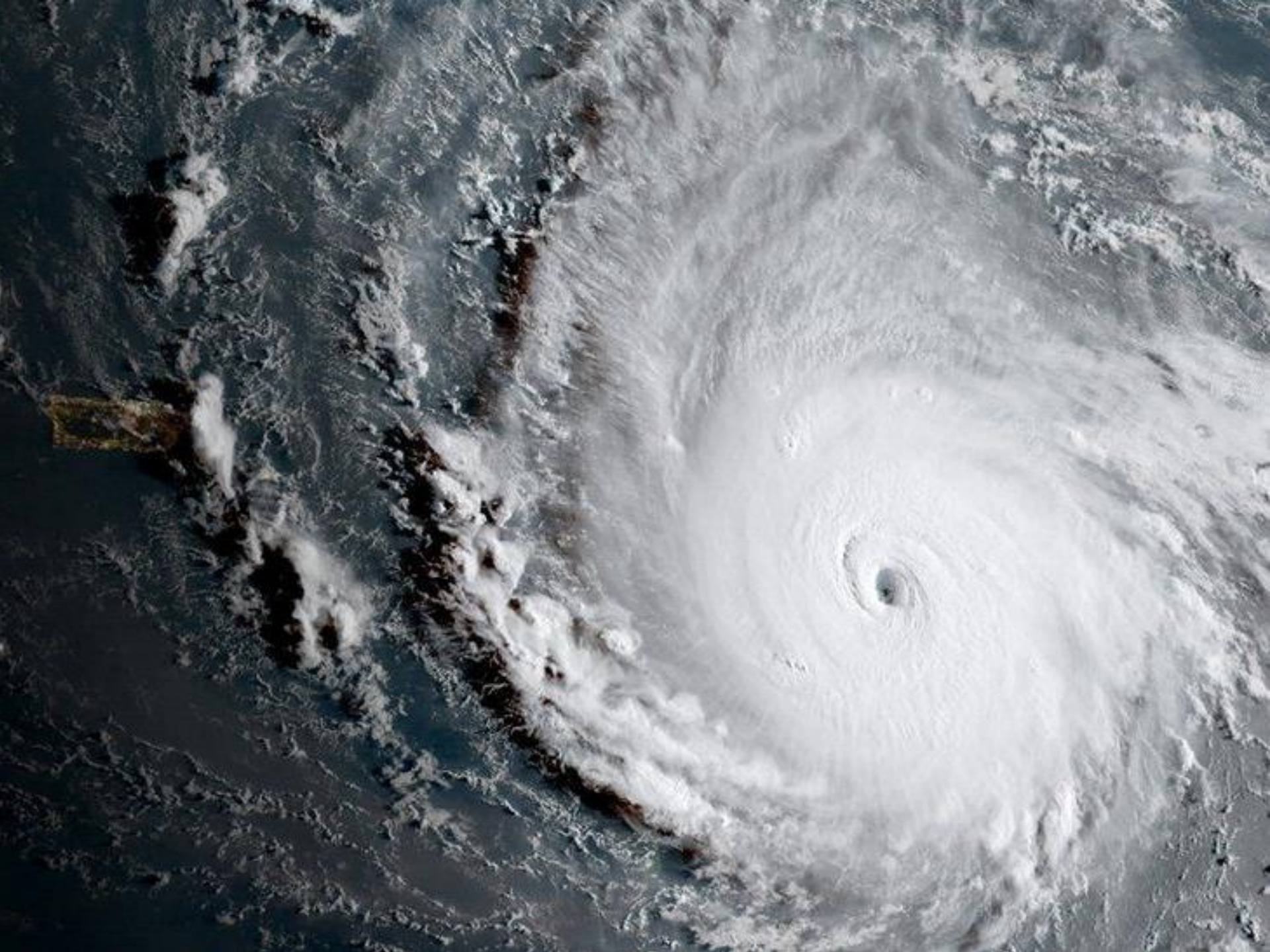


Latest News features

[Spain: Incident in Las Ramblas, Barcelona](#)

Updated: 18 August 2017, 10:23 NZST

[Hail Pilgrimage](#)





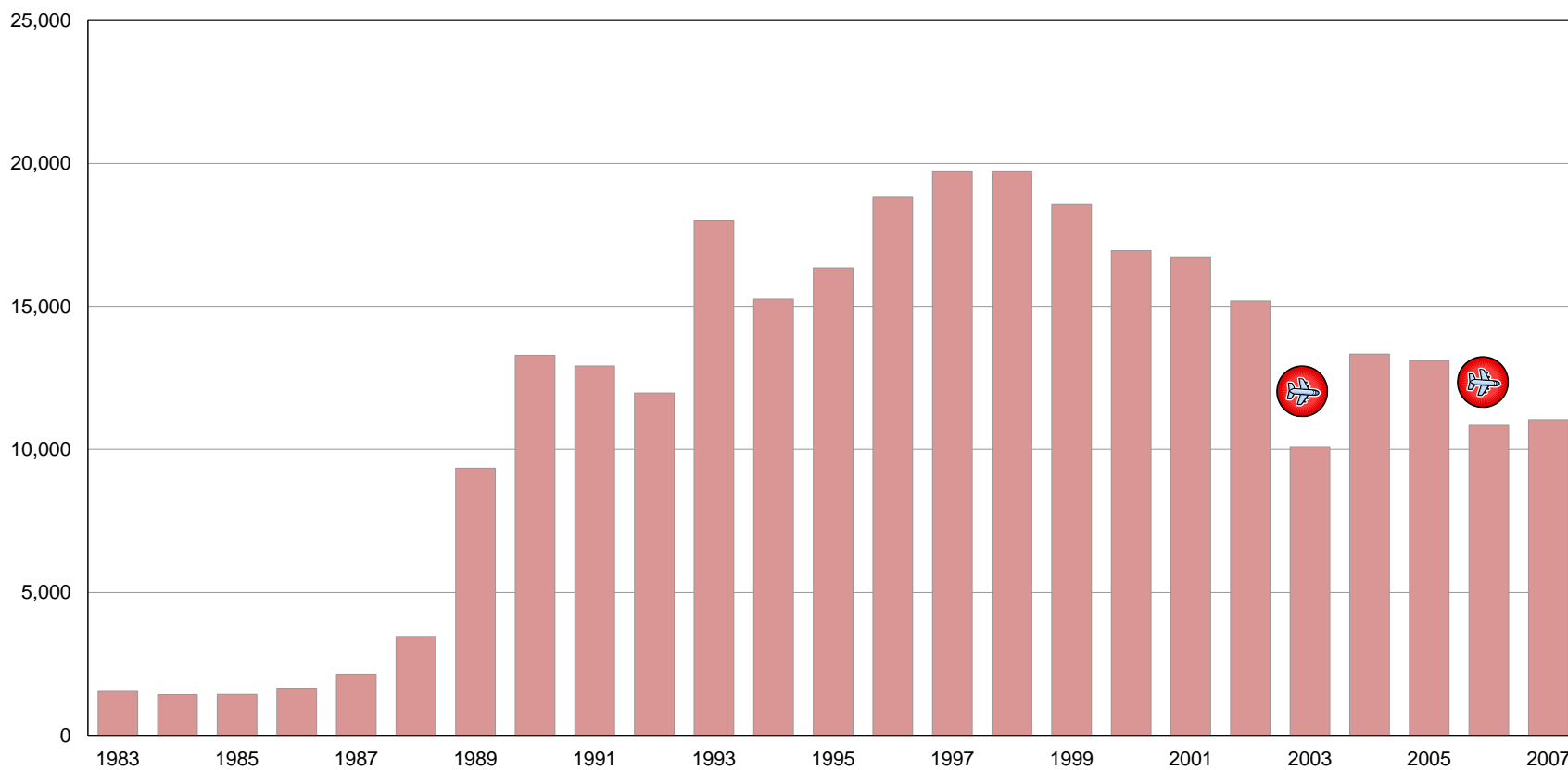
Sep 7, 2017 7:06 AM Stuff Editors



Police patrol the area as Hurricane Irma slams across islands in the northern Caribbean on Wednesday, in San Juan, Puerto Rico. credit: ALVIN BAEZ/REUTERS

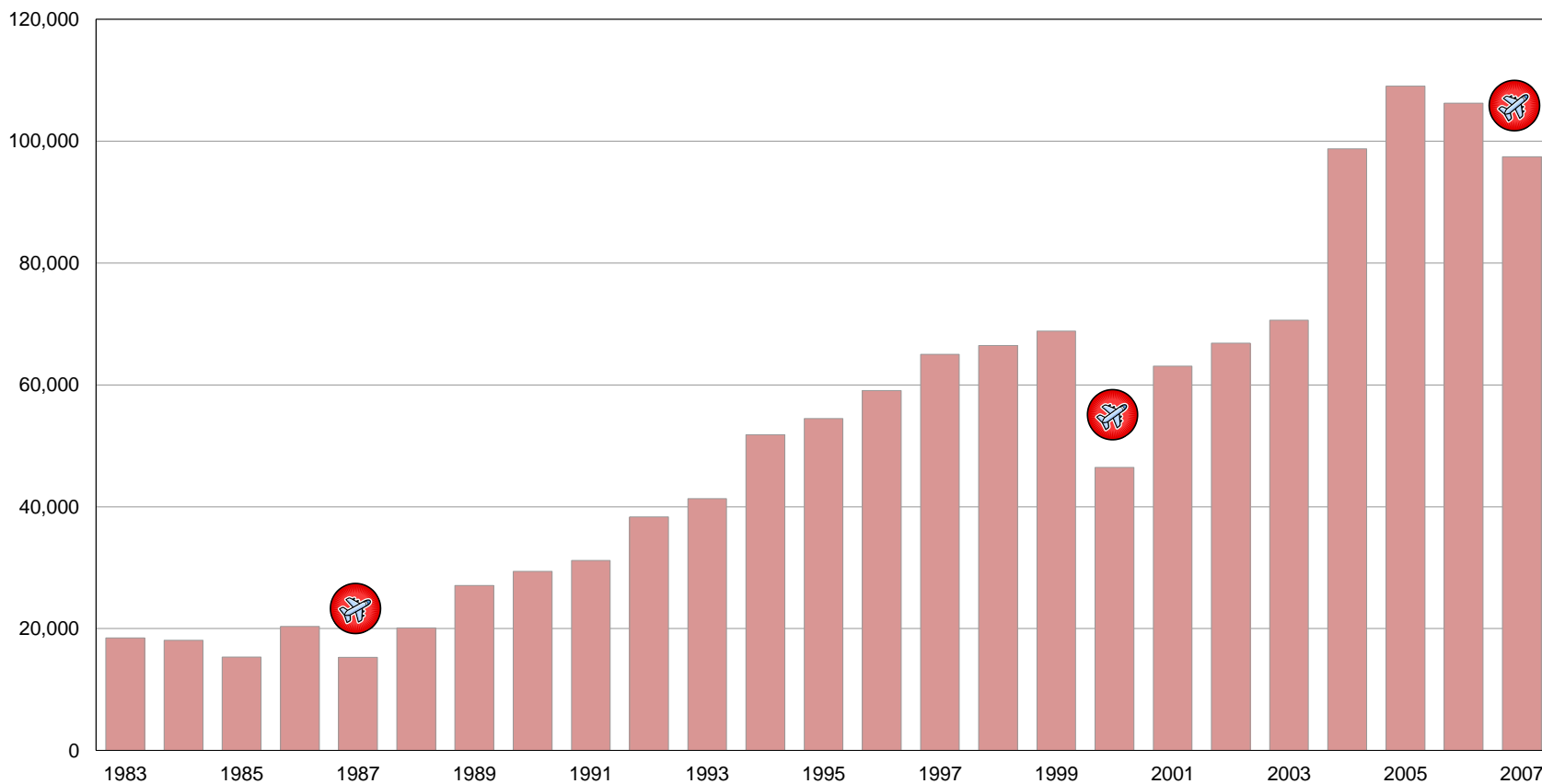
Indonesia

New Zealand Departures



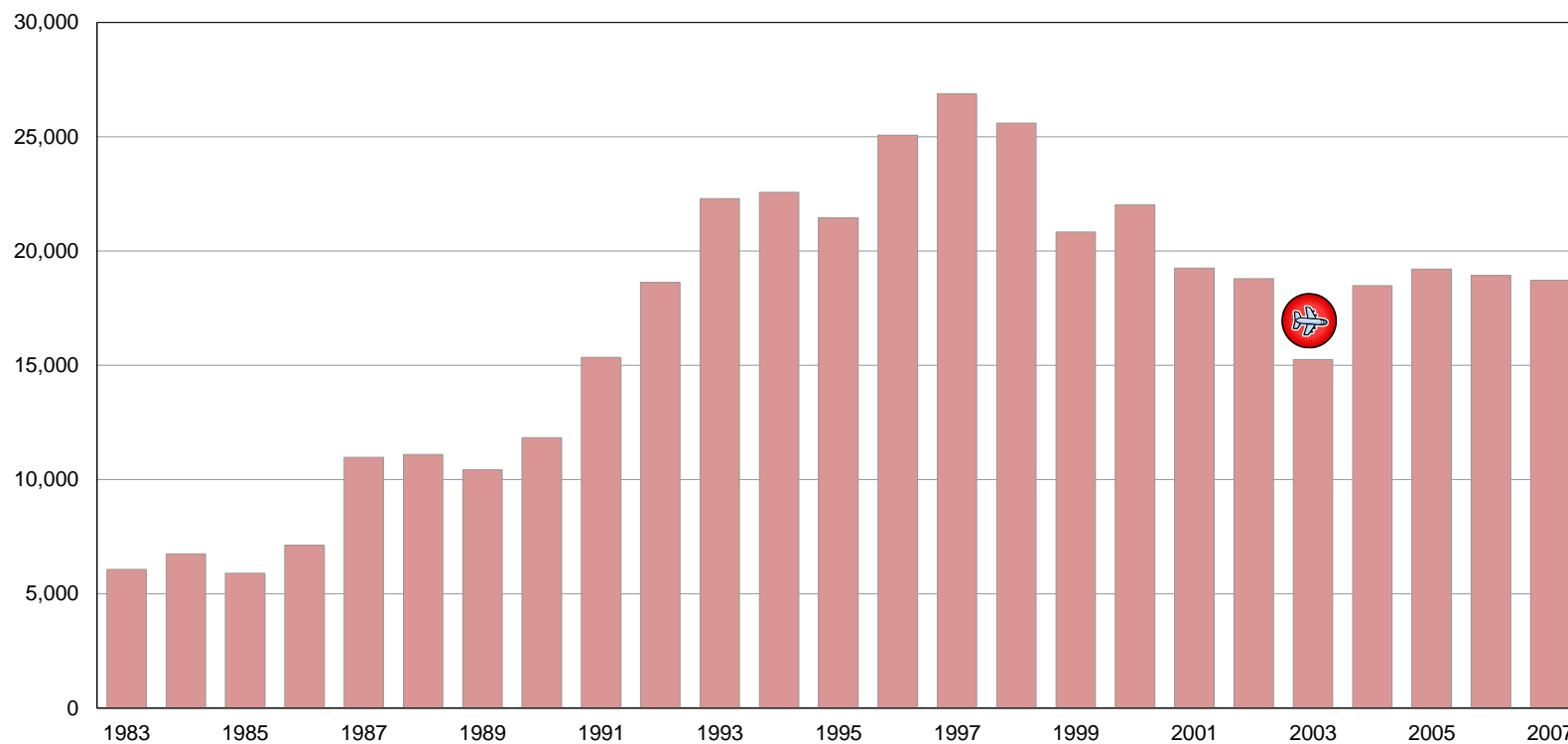
FIJI

New Zealand Departures



Hong Kong

New Zealand Departures





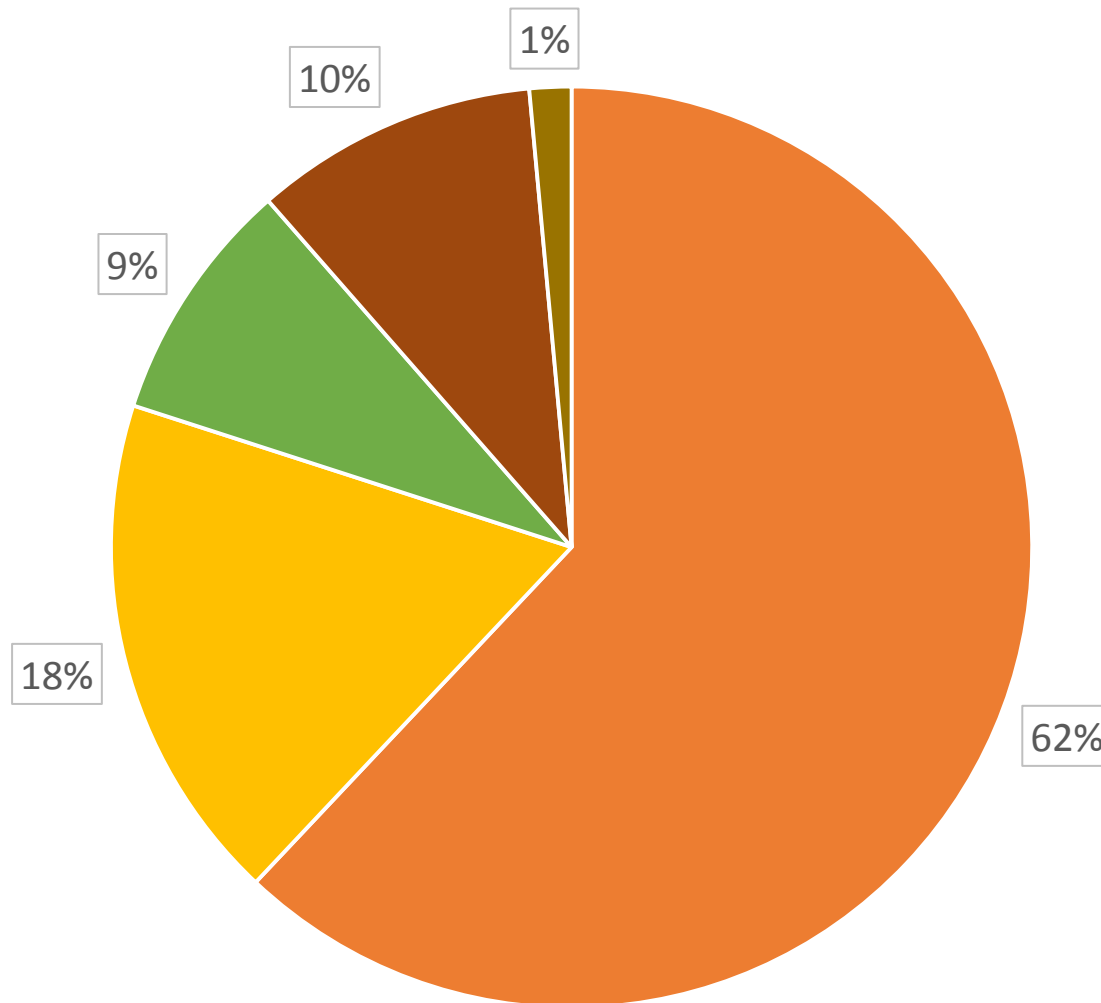
Kiwi's have wings!

Total NZ resident short-term departures

- **2016: 2.62 million**
- 2015: 2.45 million
- 2014: 2.28 million
- 2013: 2.20 million
- 2012: 2.17 million
- 2011: 2.09 million
- 2010: 2.03 million
- 2009: 1.92 million
- 2000: 1.28 million



NZ-resident traveller departures 2016



■ OCEANIA ■ ASIA ■ EUROPE ■ AMERICAS ■ AFRICA AND THE MIDDLE EAST

Oceania	Asia	Americas	Europe	Africa and Middle East	Not Stated
62.7%	15.3%	11.6%	7.3%	1.1%	2%

2015

Oceania	Asia	Americas	Europe	Africa and Middle East	Not Stated
67.2%	10.7%	10.6%	7.4%	1.1%	3%

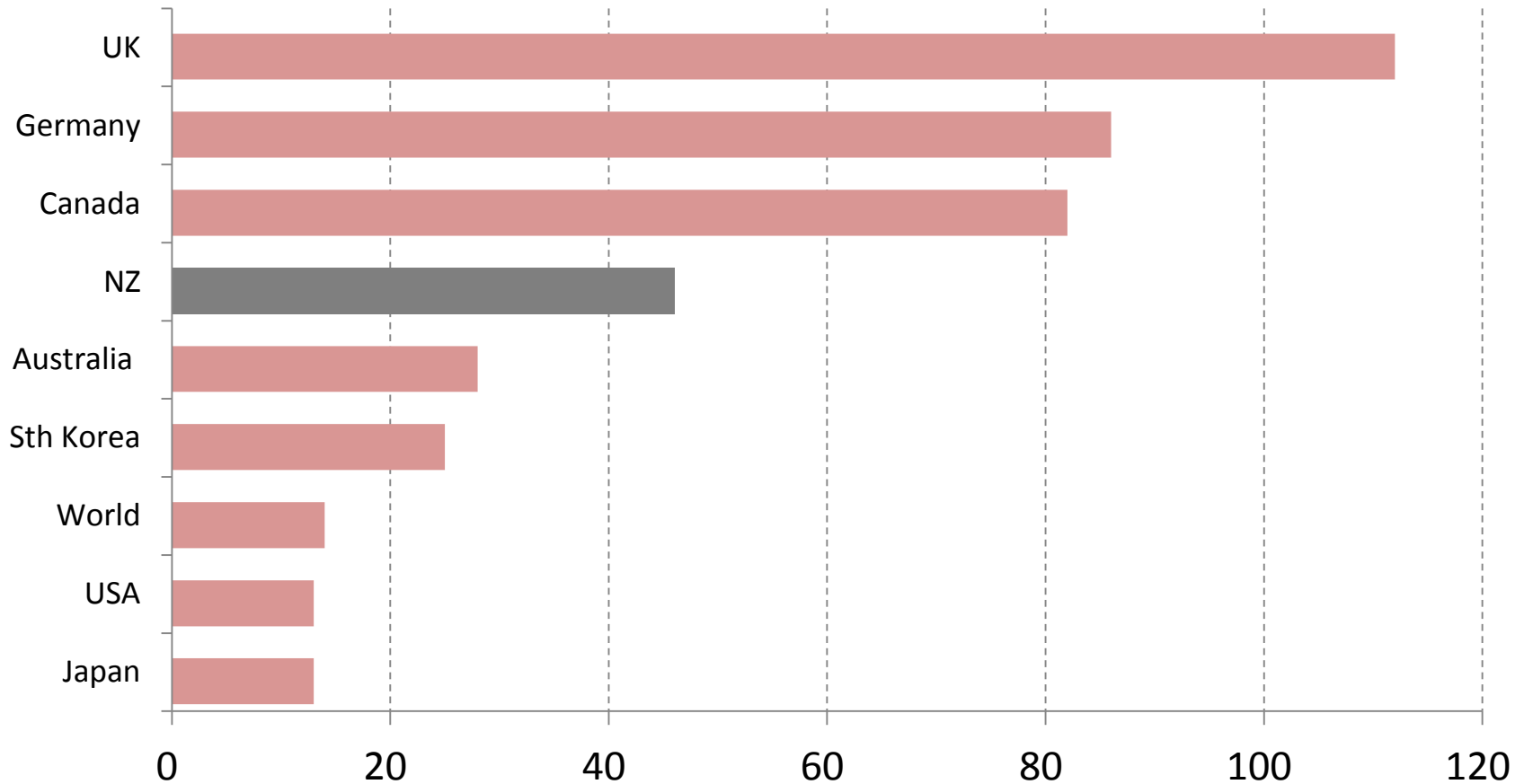
1995

Oceania	Asia	Americas	Europe	Africa and Middle East	Not Stated
74.2%	4%	12%	8.4%	0.3%	1.1%

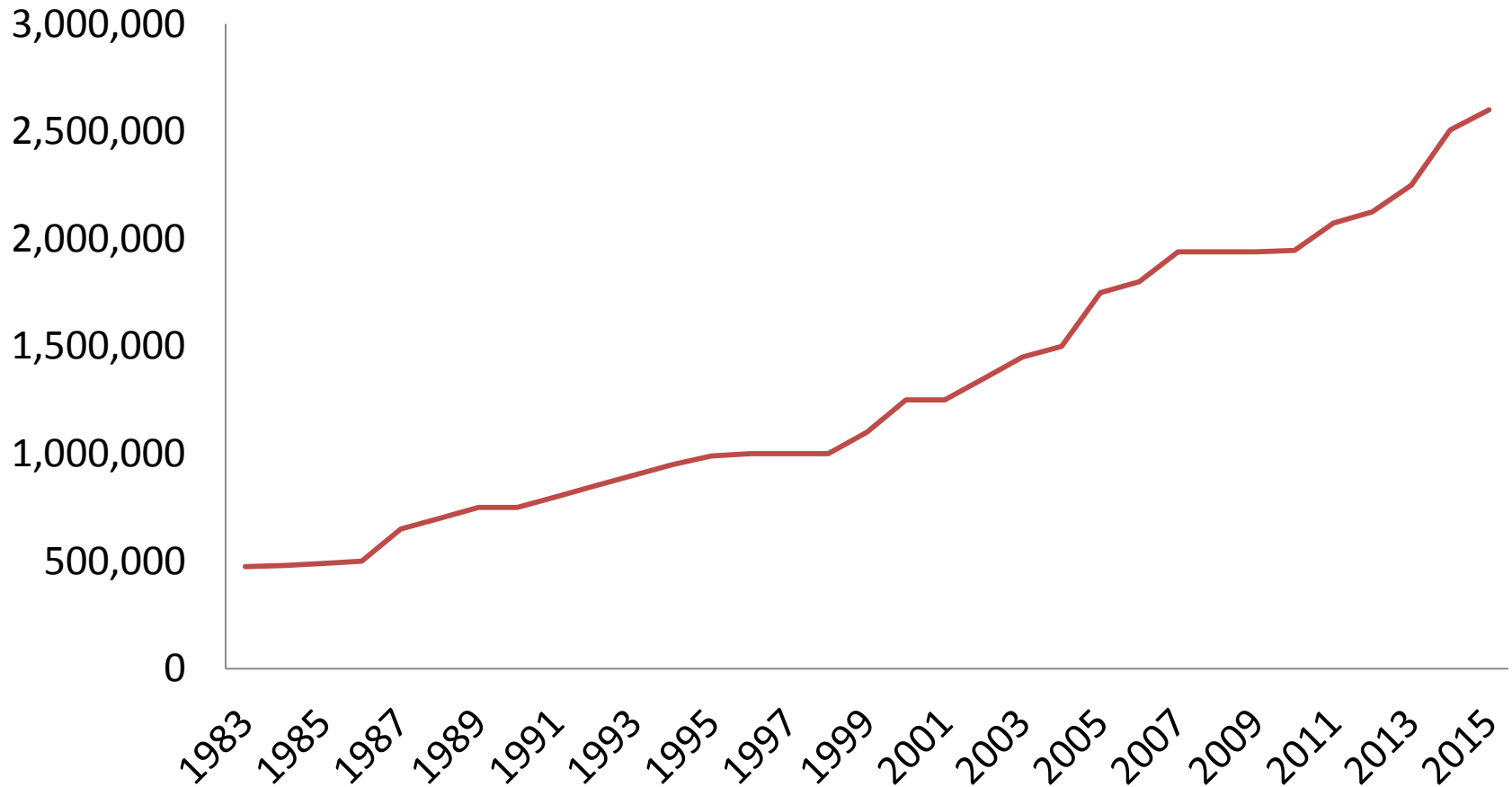
1980



Propensity for International Travel



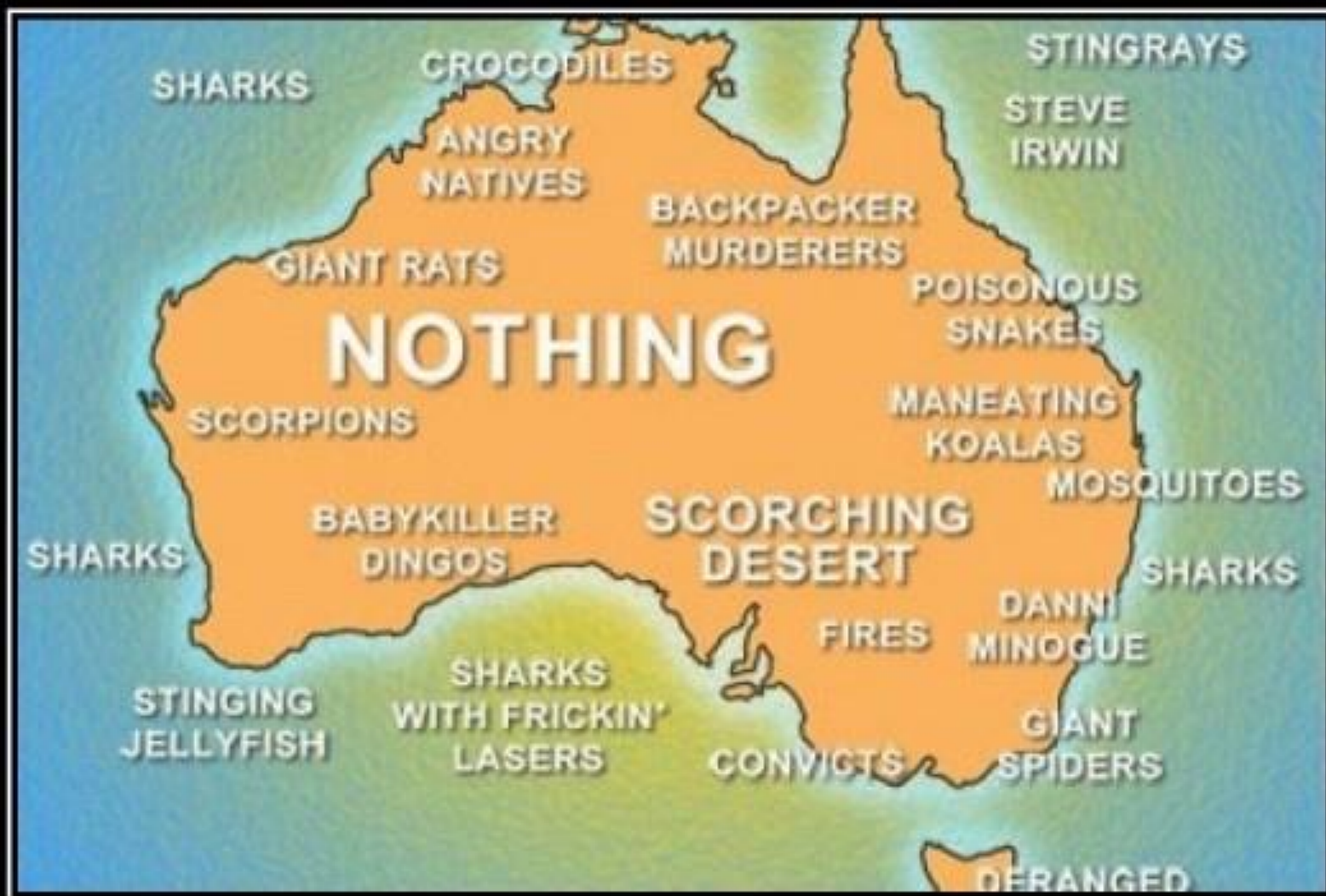
Flying Kiwi's – NZ Departures





Source: Statistics NZ, 2014





TRAVEL AUSTRALIA

We can't wait to say G'day



WARNING

BEWARE OF CROCODILES



Estuarine (Saltwater)
Crocodiles
are known in all water areas.
(River & Billabongs)
Attacks by these animals
can cause injury or death.

WARNING - Magpie territory

Magpies nest in this area and may swoop on intruders. This is normal defensive behaviour during the breeding season and lasts up to six weeks.

To protect yourself:

- Walk quickly through area - don't run
- Wear a hat or carry an umbrella
- Bike riders - dismount and walk
- Never deliberately provoke or harass a magpie as this usually makes them more defensive



The Magpie is a protected species under the Nature Conservation Act 1992.

In dangerous situations, a State Government, Queensland Parks and Wildlife Service Officer may authorise the removal of a particular bird.

Sign Erected by Brisbane City Council as a community service.



FOUR MILE BEACH Esplanade

FM 08

IN AN EMERGENCY
DIAL 000 & STATE
THE LOCATION &
NUMBER ABOVE



MARINE STINGERS MAY
BE PRESENT IN THESE
WATERS



CROCODILES MAY BE
PRESENT IN THESE
WATERS



FOUR MILE BEACH

Lifeguards on duty when red and yellow flags
are displayed. Please swim between the flags



DOG LITTER
MUST BE
PICKED UP



MARINE STINGERS
ARE PRESENT
IN THESE WATERS
DURING THE
SUMMER MONTHS

BEACH CLO
DUE TO
SHARK
ATTACK
Sun. AM





Who is Travelling?



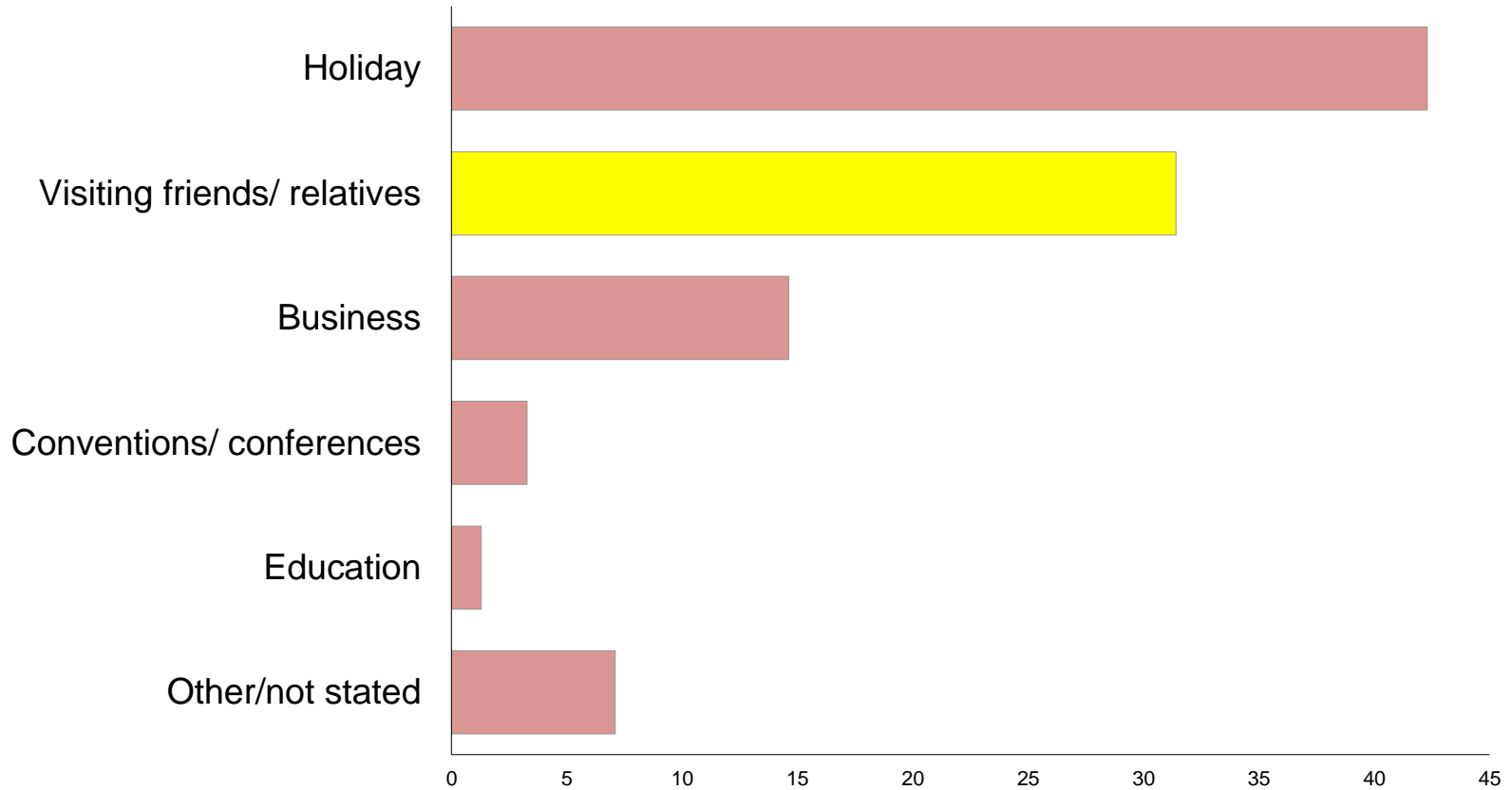
< 20 years (80%)



60 – 69 years 131%

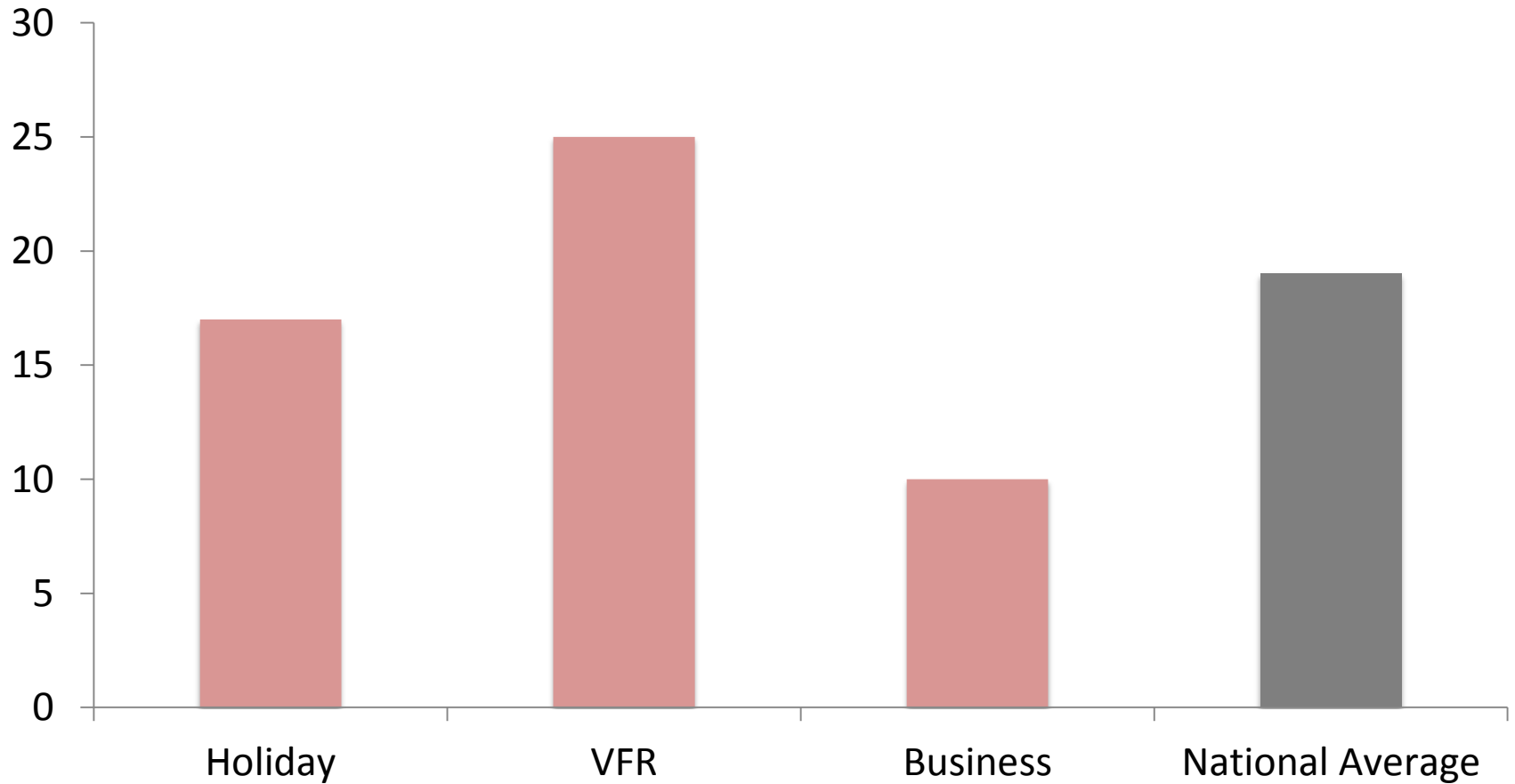
> 70 years (81%)

Purpose of Travel



Source: Statistics New Zealand

Length of Absence



Peak/Seasonal Travel Patterns

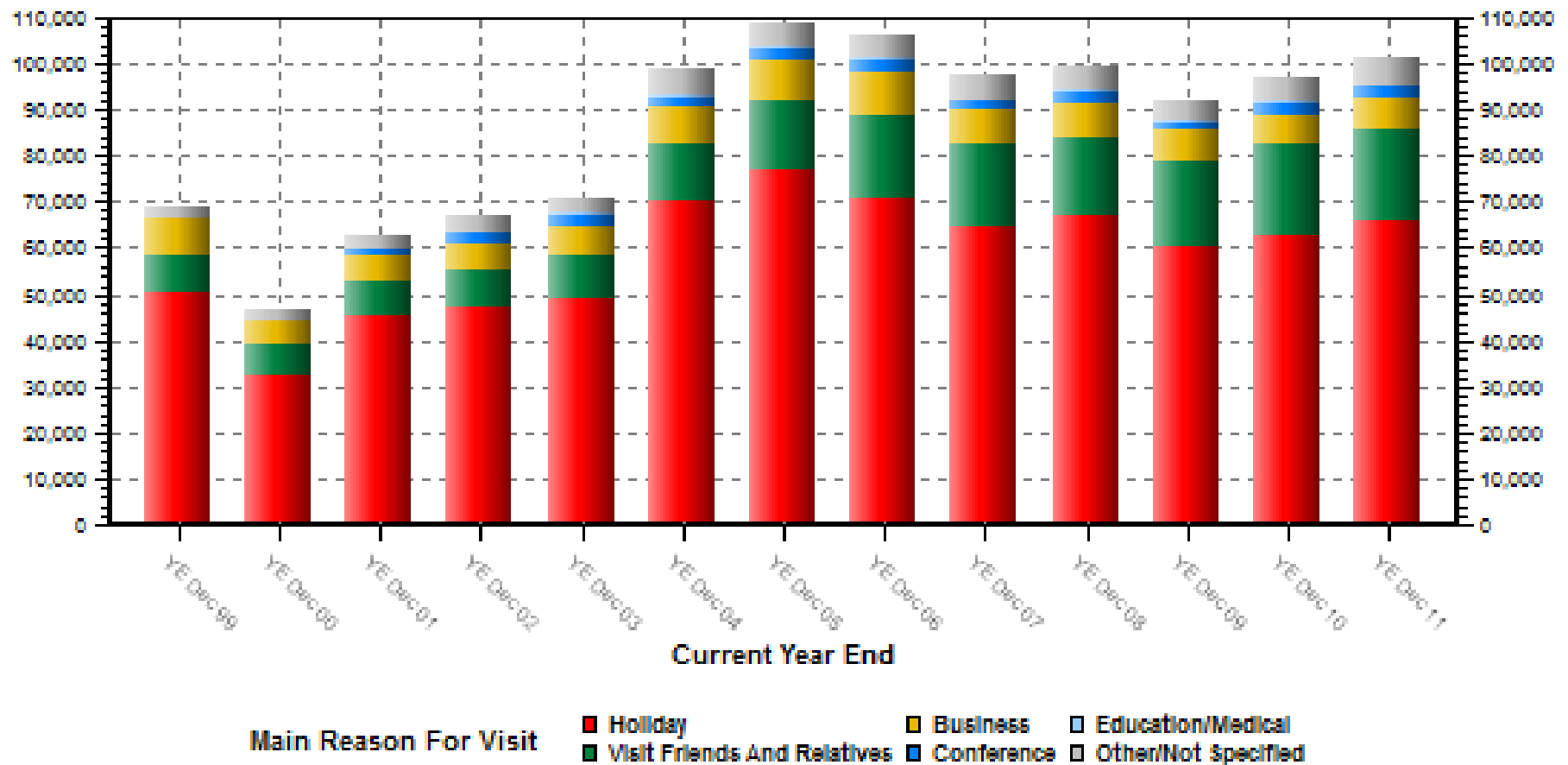
December - January

June - September



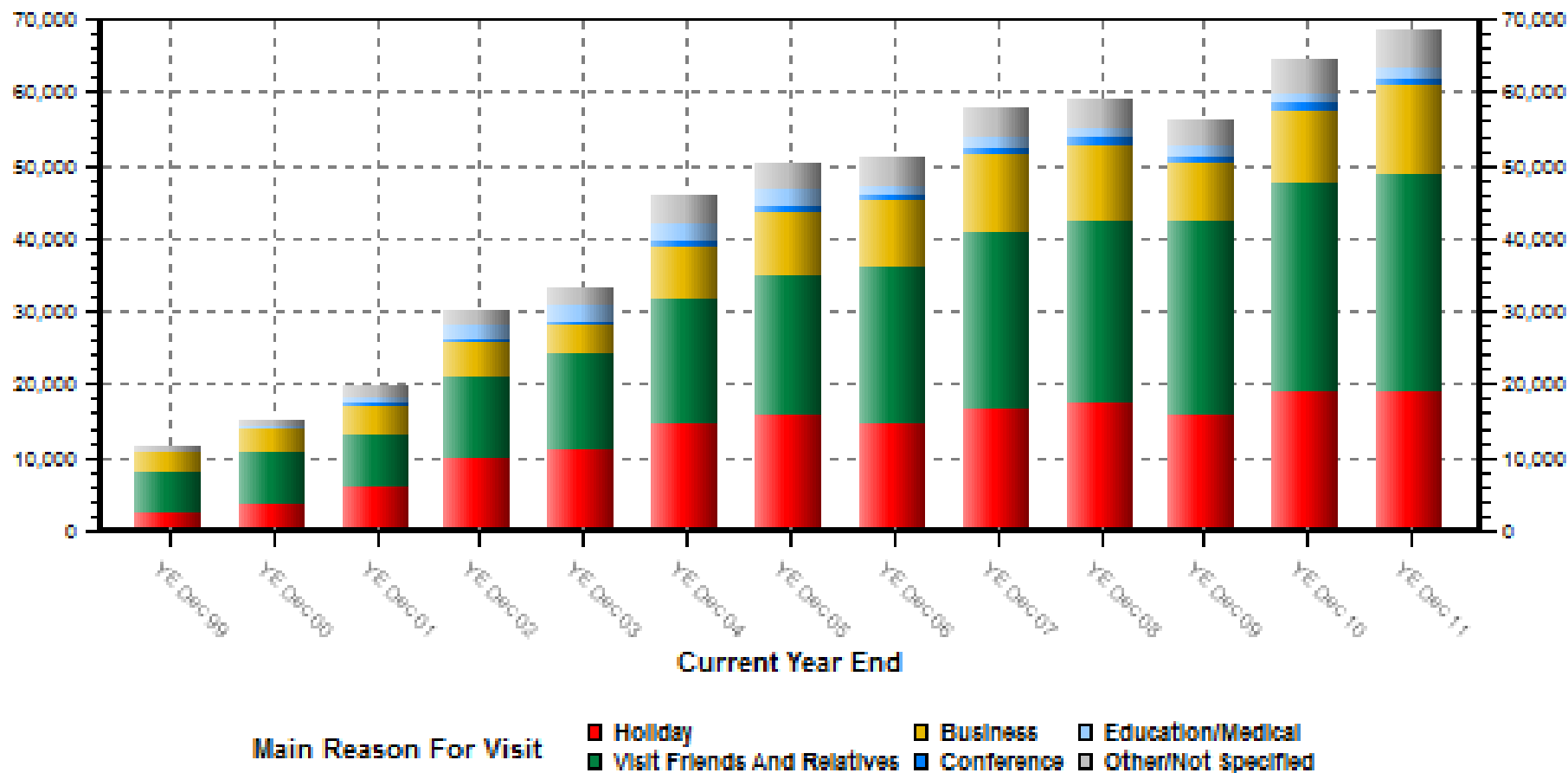
Purpose of Visit - Fiji

Database - International Visitor Arrivals & Departures, Statistics NZ/Ministry of Tourism



Purpose of Visit - China

Database - International Visitor Arrivals & Departures, Statistics NZ/Ministry of Tourism

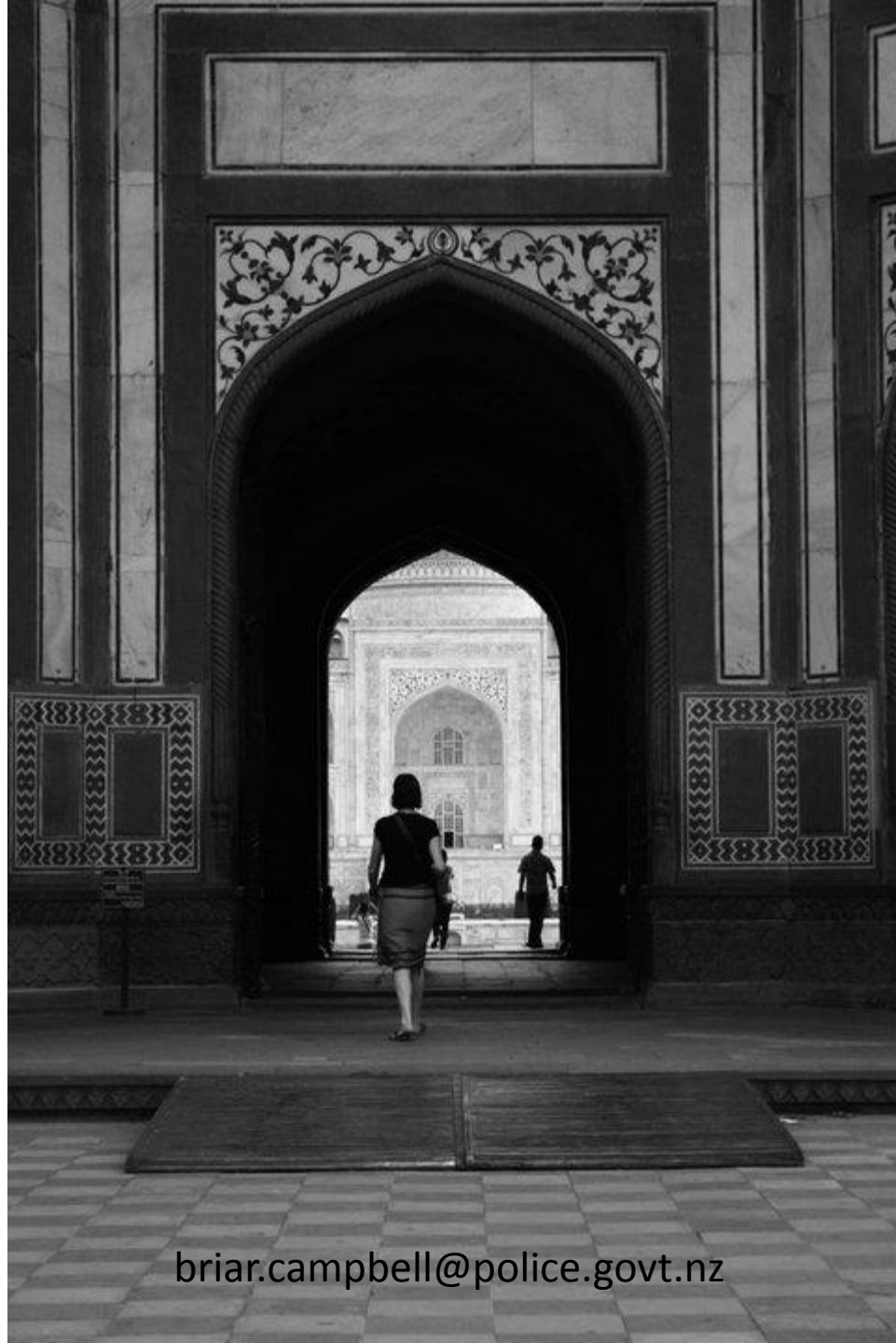




Lets get talking

“Single most important thing about travel medicine is not shooting and prescribing, but rather the education of the traveller.”





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