

Jenny Thomlinson

From: Wendy Morotti
Sent: Thursday, 23 February 2017 8:21 AM
To: Jenny Thomlinson
Subject: RE: Call from [redacted] - new outbreak on Sun Princess

I think that this is better.... But where are the others????? Will have another look

Wen

From: Jenny Thomlinson
Sent: Thursday, 23 February 2017 7:59 AM
To: Wendy Morotti
Subject: RE: Call from [redacted] - new outbreak on Sun Princess

Or here \\Herston-cl1_sc_data12\data12\CDU\CDIM\Dis Prep&Response\Commun Disease mgt\Commun & Zoonotic\Norovirus\Outbreaks

But there are none saved so I wondered if they were at all.....

Jenny Thomlinson
Public Health Nurse
Communicable Diseases and Infection Management Unit
Communicable Disease Branch

From: Wendy Morotti
Sent: Wednesday, 22 February 2017 4:25 PM
To: Jenny Thomlinson
Subject: RE: Call from [redacted] - new outbreak on Sun Princess

The only place I can think of would be U:\CDU\CDIM\Dis Prep&Response\Commun Disease mgt\Commun & Zoonotic\Gastroenteritis\Outbreaks I note that it this folder is not specific to cruise liners.

Kind regards
Wen

From: Jenny Thomlinson
Sent: Wednesday, 22 February 2017 2:41 PM
To: Wendy Morotti
Subject: FW: Call from [redacted] - new outbreak on Sun Princess

Hi Wen,

Do we save these details around cruise boat outbreaks? And if so can you tell me where please.

Jen

Jenny Thomlinson
Public Health Nurse

Communicable Diseases and Infection Management Unit
Communicable Disease Branch

From: Notifiable Diseases Prevention & Control
Sent: Wednesday, 22 February 2017 1:43 PM
To: Jenny Thomlinson; Julie MacPhail; Debra El Saadi; Denise Jenkins; Wendy Morotti
Subject: FW: Call from [redacted] - new outbreak on Sun Princess

From: Roscoe Taylor
Sent: Wednesday, February 22, 2017 1:42:29 PM
To: Notifiable Diseases Prevention & Control
Subject: FW: Call from [redacted] - new outbreak on Sun Princess
Auto forwarded by a Rule

FYI only, really – looking curiouser and curiouser with 3 waves of outbreak in 4 weeks – but I suspect Sonya is right

From: Sonya Bennett
Sent: Wednesday, 22 February 2017 1:36 PM
To: James K Smith; Megan Young; Mekala Srirajalingam; Roscoe Taylor; Alun Richards
Cc: John Piispanen; Fraser Gifford; Jamie McMahon
Subject: RE: Call from [redacted] - new outbreak on Sun Princess

Hi James

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All these things influence attack rates, which might explain the high number of cases on a ship where the non-immune population changes frequently, however the response to terminating the outbreak is still the same and requires vigilance in hygiene and cleaning.

I'm not telling anyone anything they don't already know but I guess I'm just hoping that whilst lab samples etc are all very interesting that Sun Princess is on top of the response as much as possible. Despite intense focus in this area, outbreaks can still tend to run their course in a stagnant population so will be even more difficult in a cruise ship with rotating population if they don't get on top of it.

Regards
Sonya



Dr Sonya Bennett

Executive Director

Communicable Diseases Branch, Department of Health

p: 07 33289723

m: [redacted]

a: Level 3, 15 Butterfield Street, Herston QLD 4006

w: Queensland Health e: sonya.bennett@health.qld.gov.au



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From: James K Smith

Sent: Wednesday, 22 February 2017 12:37 PM

To: Megan Young; Mekala Srirajalingam; Sonya Bennett; Roscoe Taylor; Alun Richards

Cc: John Piispanen; Fraser Gifford; Jamie McMahon

Subject: Call from [redacted] - new outbreak on Sun Princess

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Dr James Smith
Public Health Physician
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Bryden Street
Windsor Qld 4030
P: (07) 3624 1113
M: [redacted]
James.Smith2@health.qld.gov.au
www.health.qld.gov.au/metronorth

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Metro North Public Health Unit Checklist for Outbreak Notifications from Cruise Ships

To note: While cruise ships notify outbreaks of illness to Human Biosecurity Officers, the outbreaks are extremely unlikely to fall under the Biosecurity Act 2015. Listed diseases in the Biosecurity Act are:

- *Human influenza with pandemic potential*
- *Plague*
- *Severe acute respiratory syndrome (SARS)*
- *Middle East respiratory syndrome*
- *Smallpox*
- *Viral haemorrhagic fevers*
- *Yellow Fever (in Northern Australia)*

Thus any public health investigation and management of these outbreaks is undertaken under the auspices of the Public Health Act 2005.

Nearly all cruise ships bound for Brisbane fall under the responsibility of the Carnival Australia Public Health Officer (CAPHO). At the time of writing, *Deidentified* is the CAPHO (contact details below). The CAPHO acts as liaison between MNPHU and the ship's doctor. The Carnival brands covered by the CAPHS role include: Carnival Australia, P&O Australia, Princess Cruises, Holland America Line, Seabourn and HAP Alaska. Other Carnival brands may also be covered by the CAPHS when vessels are in Australian and New Zealand waters, e.g. Cunard Lines. The only major cruise line not covered by the CAPHO is Royal Caribbean.

Notification of an outbreak may come from:

- *Deidentified*, Public Health Officer with Carnival Australia
- Commonwealth Department of Agriculture, Water and Resources (DAWR) officer in Brisbane
- Maritime National Coordination Centre (MNCC), Adelaide. A Quarantine Pre-arrival Report (QPAR) is sent electronically by the vessel to MNCC 12-48 hours prior to arrival. Note that this system may change when MARS (Maritime Arrivals Reporting System) becomes operational
- A ship's agent

In each case, make contact with CAPHO and obtain the following information:

- The epidemic curve (in the case of a gastro outbreak, ensure the curve is not suspicious of a food-borne illness)
- Total case numbers (passengers and crew), total passenger and crew numbers and percentages of passengers and crew who are unwell

- Note that percentages are used to calculate the different levels of sanitation intervention on board the vessel
- Any point of care (POC) testing results
 - Many cruise ships carry POC test kits for norovirus and influenza
- Where the ship has travelled on this cruise
- The date and time the ship will dock in Brisbane
 - Include port details for Brisbane. While most will dock at Brisbane Cruise Terminal, Portside, Hamilton, due to capacity constraints some vessels will dock at Port of Brisbane, Fisherman Island (MSPHU area)
- The date and time the ship will leave Brisbane
- The next port where the ship will dock after Brisbane
- What interventions have been put in place to manage the outbreak (e.g. cleaning, isolation, information provided), including cleaning level and any plans for further cleaning when the vessel is in port (terminal clean)
 - Carnival Australia sanitation guidelines are available as an appendix to this document
 - Carnival Australia uses levels 1, 2 and 3 (formerly green, amber and red) cleaning procedures based on percentages of passengers and crew experiencing illness, where level 1 is business as usual and level 3 involves the most thorough cleaning
- Whether any passengers are likely to require hospitalisation
- That the Quarantine pre-arrival report has been submitted
- In the case of an influenza outbreak, or other vaccine-preventable disease outbreak, estimated staff vaccination rates.

Offer:

- Any pertinent advice on further management of the outbreak (experience has shown that gastro and influenza-like illness outbreaks are managed very well aboard the ships under CAPHO influence and there may not be anything further to offer)
- To provide contact details to be passed on to the ship's doctor in case they need further advice

When CAPHO copies you into an email to the ship's doctor, you may:

- Send through any relevant QH fact sheets for possible distribution to passengers

- In the case of ILI outbreak, provide Influenza SoNG and Aged Care Outbreak Guidelines. Cruise ships use the 2005 CDC Vessel Sanitation Operations Manual (https://www.cdc.gov/nceh/vsp/manual/ops_manual_resouces.htm) and 2011 WHO Guide to Ship Sanitation (http://www.who.int/water_sanitation_health/publications/2011/ship_sanitation_guide/en/), as well as internal procedures to guide the approach to sanitation and outbreak response. In the case of influenza outbreak, we make them aware that Australian guidelines exist to ensure the case definition they are using is the same as the Australian definition as well as offering further assistance in managing the outbreak.

Other parties to notify of the reported outbreak:

- Local emergency department closest to port of entry if there are passengers who may need to be hospitalised
- DAWR via generic email address (Brisbane.seaports@agriculture.gov.au) if a local officer was not the notifier. Email should let DAWR know that we have been notified, the number of cases and total number of passengers, the causative agent if known and that appropriate management has been implemented. On call phone number for DAWR if needed is: **0400 xxx xxx**
- Chief Human Biosecurity Officer (Deidentified@health.qld.gov.au). Email should include: the ship, where it has travelled, case and total passenger and crew numbers, causative agent if known, date and time ship is expected to dock, when it will depart Brisbane and the next port it is expected to dock, any concerns about the management of the outbreak or that management has been appropriate.
 - CHBO will notify relevant state health authorities where next destination port is in Australia
 - CHBO will notify National Incident Room (NIR) to enable international communication with health authorities in other countries where next destination port is overseas
 - MNPHU should communicate with relevant local Queensland public health unit where next destination port is within Queensland (many itineraries include Cairns)
- MNPHU Director (Deidentified@health.qld.gov.au) CC John into the email to the CHBO.
- On call PHP for central region – CC the on call PHP for the evening into the email to the CHBO.
- MNHHS media team if public interest in outbreak anticipated. The generic email address is metronorthnews@health.qld.gov.au. At the time of writing, *Deidentified* is the MNHHS media team liaison for MNPHU, E: Deidentified@health.qld.gov.au, P: 07 xxxx xxxx, M: 04xx xxx xxx

Extra information that may be of use in the event the outbreak is due to influenza:

- Ships can purchase private flu vaccine to administer to staff. They should have a supplier for this.
- The ship will have a supply of Tamiflu, but in a large outbreak, it can run out quickly. If the doctor is concerned they will not have sufficient Tamiflu prior to docking, they may like to consider confining the use of Tamiflu to cases confirmed on point of care or for cases with a high pre-test probability. The ship will be able to arrange to restock supplies of Tamiflu when they dock and will purchase it privately.
- The ships have point of care tests for influenza, but again may run out / run low in a large outbreak. If they are having trouble sourcing further supplies, they could try private pathology providers, S&N ph (07) 3377 8666 or Freecall 1800 777 877, or QML ph(07) 3121 4444 (24 hours) or Freecall: 1800 677 491.
- If the ship requests laboratory testing in addition to their POC testing, they can be directed to QML or S&N in the first instance.

Contact details for Carnival Australia Public Health Specialist

Name: *Deidentified*

Title: Public Health Specialist

P: 02 xxxx xxxx

M: 04xx xxx xxx

E: *Deidentified@carnivalaustralia.com*

A: *Deidentified*, North Sydney NSW 2060

Appendix: Carnival Australia outbreak response levels

AGE Response Levels		
Carnival Corporate Term	HA Group Term	Description
Baseline	Level 1	Baseline illness levels observed (e.g., background rates based on historical data for itinerary and voyage length). Standard operating procedures.
Elevated	Level 2	<p>For vessels with <700 guest population:</p> <ul style="list-style-type: none"> ▪ ≥ 3 cases among either passengers or crew with illness onset in 24 hours <p>For vessels with ≥700 guest population:</p> <ul style="list-style-type: none"> ▪ ≥ 6 cases among either passengers or crew with illness onset in 24 hours
Maximum	Level 3	<p>Significant AGE activity observed where:</p> <ul style="list-style-type: none"> ▪ the cumulative proportion of reportable cases reaches ≥ 2% among passengers or crew OR; ▪ there is an observed daily attack rate of ≥ 0.45%, and there are ≥ 9 cases with illness onset within a 24-hour period OR; ▪ there are ≥ 15 cases with illness onset within 48-hours OR; ▪ the number of new onset cases amongst passengers or crew is below these thresholds, at the discretion of the Head of the Public Health or the Medical Department.

RTI Released

Appendix 1 : Information requested from Ship's PHO/ Ship Doctor

Total number of passengers	
Total number of Crew	
Number of cases in passengers	
Percentage of passengers affected	
Number of cases in crew	
Percentage of crew affected	
Epidemic curve	
Point of care test results (if available)	
Interventions in place	
Would any patients require hospitalisation?	
Staff vaccination coverage for Influenza outbreak	
Relevant information about cruise route and ports	
Has Quarantine pre-arrival report been submitted	
Docking details: Date, time and port	
Departure: Date, time & port	
Next port after Brisbane, and first interstate or overseas port	

Appendix 2: Information provided

Queensland Health Fact sheet	
Relevant Song	
Aged care Outbreak guidelines for respiratory	

illness	
Other	

Appendix 3: Notifications

Local emergency department	
DAWR (Dept of Agriculture and Water Resources) (if not notifier) <u>Brisbane.seaports@agriculture.gov.au</u> by email. Ph: 0400 xxx xxx	
Chief Human Biosecurity Officer <i>Deidentified@health.qld.gov.au</i>	
MNPHU Director (cc) <i>Deidentified@health.qld.gov.au</i>	
On Call Public Health Medical Officer (cc)	
MNHHS Media Team (if public interest anticipated) <u>Metronorthnews@health.qld.gov.au</u> <i>Deidentified@health.qld.gov.au</i> h:07 xxxx xxxx, M: 04xx xxx xxx	

RTI Release