



# **Keeping Collaboration on Track**

Lessons from the Richmond train incident

# Initial Incident

## The train

- On 22 January 2018 at approx. 0951 a Sydney Trains passenger train collided with the end-of-line buffer stop
- The train had stopped at East Richmond Station and then travelled 506 metres before entering Richmond station
- The trip between stations had taken 46 seconds with an average speed of 40 km/h
- Max operating speed of 130 km/h
- The estimated average speed while travelling through Richmond train station platform was 35 km/h
- The train was a double deck configuration consisting of eight cars
- The train recoiled 3 m after impact

Source: The Australian Transport Safety Bureau







# Initial Incident

## The passengers

- The train has a seated-passenger capacity of 896
- There were 24 passengers plus driver and guard
- Some passengers had risen from seating
  
- All cars had concertinaed together
- One car had derailed
- Damage to front of train and interconnecting areas
- Minimal damage to passenger saloon areas







NSW Ambulance





s/2018/jan/22/sydney-train-accident-passengers-trapped-and-injured-at-richm...





# Initial incident

## The response

- First wave included 5 transport ambulances
- Two supervisors
- Two single responders – Extended Care Paramedics
- First ambulance arrived within 10 minutes
  
- Following initial ambulance report:
  - 3 rescue helicopters
  - 2 Zone Managers
  - Special Operation Team paramedics
  - Further transport ambulances
  
- 22 resources in total attended





↑ Blacktown  
Penrith  
MARCH STREET  
Lithgow B59 →  
Springwood

AMBULANCE  
NSW AMBULANCE SERVICE  
CTCCTTA

Emergency Ambulance  
Ambulance  
DHY261A

# Initial incident

## Notifications

- NSW Ambulance into state HSFAC by Sydney Control Center
- WSNBM LHD local notification by Health Relationship Manager to Nepean Hospital
- Local notification to Westmead & Blacktown Hospital
- Continual updates of information to local hospitals
- No actual local escalation plan outside of hospital delays



# Initial incident

## Treatment & Transport

- Initially all patients were still on the train
- All walking (green label) patients directed to platform
- From platform directed to triage area across the road in a park
- All yellow labels left on train
  
- Injuries ranged from suspected dislocated shoulder, abdo pain, neck pain, nose bleeds and lacerations
  
- In total 16 patients assessed:
  - 5 yellow label
  - 11 green label





/2018-01-22/injured-woman-at-train-crash/9348880







NSW Ambulance







# Initial incident

## Transportation

16 treated and 15 transported:

6 to Hawkesbury (1 later transferred to Nepean)

3 Nepean

3 Westmead

3 Blacktown

1 patient refused transport against advice but later was triaged by Westmead ED



# Incident Outcomes

## Hospital findings

PATIENT	INJURIES	ADMIT/DISCHARGE
<b>Hawkesbury Hospital</b>		
Female – 24 years old	Soft tissue injury left foot, left elbow	Discharged
Female – 32 years old	Soft tissue injury right ankle	Discharged
Female – 45 years old	Scalp laceration, closed head injury, epistaxis, small facial laceration	Discharged
Male – 57 years old	Right sided chest wall pain	Discharged
Male – 53 years old	Scalp laceration, fractured nose, 4 x fractured ribs	Transferred to Nepean Hospital for faciomaxillary consult. Admitted at Nepean
<b>Nepean Hospital</b>		
Male – 32 year old	Fractured ulnar. Abdominal pain.	Admitted
Male - 59 year old	Head injury. Left lateral chest pain, fractured ribs, ?splenic injury	Admitted
Female – 56 year old	Head and forearm lacerations	Discharged



# Incident Outcomes

## Media

- Media in large numbers
- Initially full access to train platform and triage area
- Zone Manager giving media updates at site
- Zone Manager media grabs for radio
- Commander 'Sunrise' interview following day



# Incident Outcomes

## Media



# Incident Outcomes

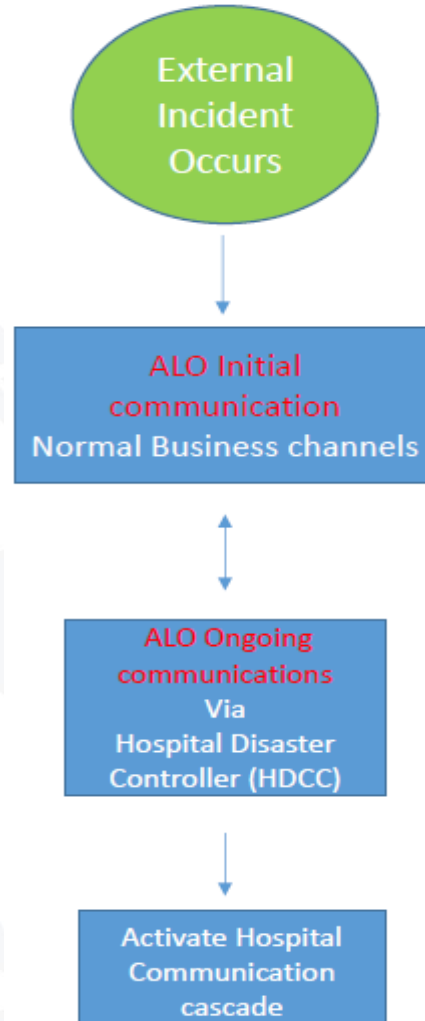
## Hospital Escalations

- State HSFAC will officially communicate notifications
- LHD HSFAC/ Disaster Managers missing loop of local arrangements
- Created a formalised local notification & escalation pathway



# Incident Outcomes

## Hospital Escalations For HRM



# Incident Outcomes

## Hospital Escalations

