



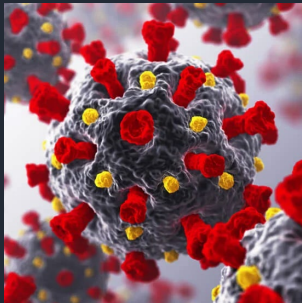
Government of **Western Australia**
Department of **Health**

Disaster Preparedness and Management Directorate (DPMD) and State Health Incident Coordination Centre



Disaster Preparedness and Management Directorate

- crucial component of the Public and Aboriginal Health Division of the Department of Health to enable mandated responsibilities,
- employs a specialized team dedicated to providing leadership and oversight of health emergency management arrangements and capabilities,
- plans, coordinates, and implements relevant strategies to effectively respond to health emergencies, either as a Hazard Management Agency (HMA), or as a combat agency for other HMAs.



Disaster Contingency Warehouse (DCW)

Specialist function as part of the DoH responsibilities under the Emergency Management Act 2005.

Established in 2007 following the London bombing attacks.

WA state strategic cache of equipment available for:

- immediate deployment to disaster or mass casualty incident sites,
- support / enhance hospital surge capacity and capability in response to such events,
- field self-sustainability equipment to support the WA Medical Assistance Team (WAMAT) deployments,
- WA disaster medicine stockholding, and
- Commonwealth facilitated National Medicine Stockpile



Core functions

State-level Policies
and Plans

Advisory Emergency
Management
Service

Policy Advocacy

Collaboration and
Partnerships

Early Warning
Systems

Interagency
Representation and
Participation

Emergency
Response and
Coordination

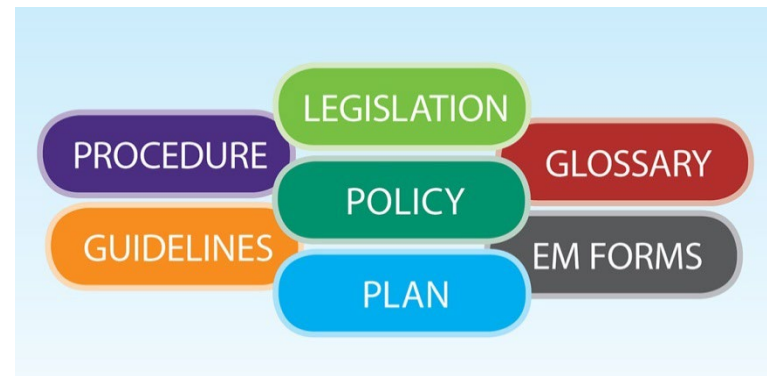
Strategic and
Tactical Deployable
Capabilities and
Resources

Training and
Capacity Building

Research and
Innovation

Health Safety of
Public Events

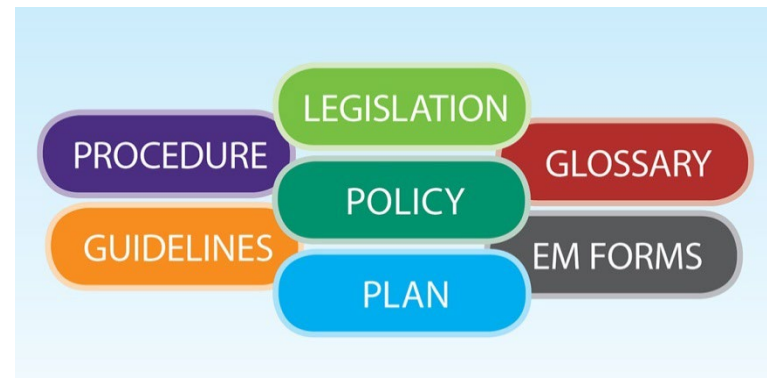
Legislation



- *Emergency Management Act 2005*
- *Emergency Management Regs 2006*

- *Health Services Act 2016*
- *Public Health Act 2016*

State Policy & Planning



- State EM Policy
- State EM Plan and State Hazard Plans
- State EM
 - Support plans
 - Procedures
 - Guidelines

What guides Emergency Management?

The Emergency Management Policy Framework

- Legislation
- State Policy & Plans
- Principles & Guidelines
- Health Policy and Planning

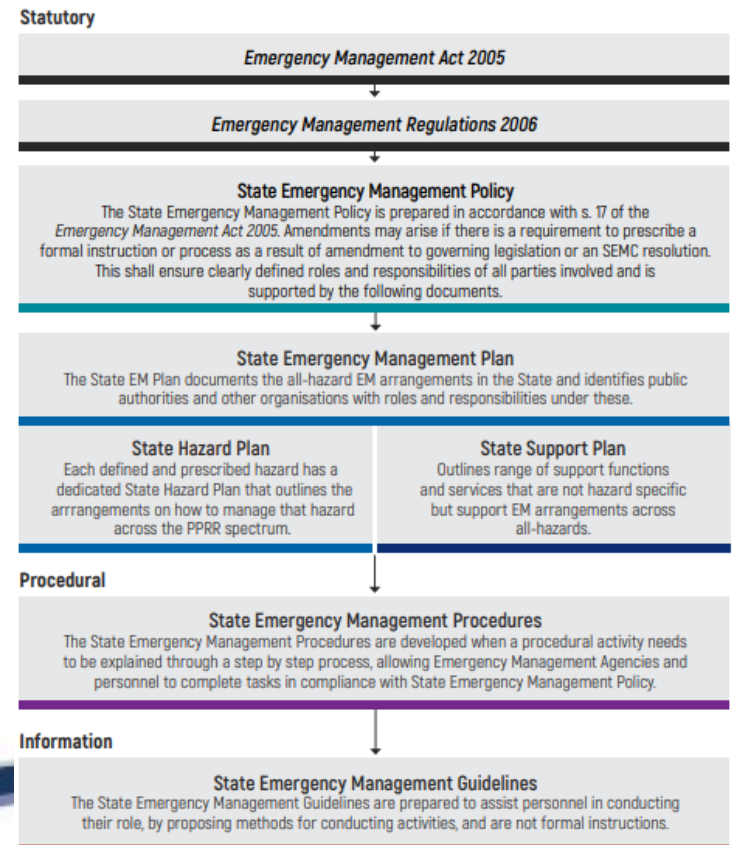


Figure 1: The State Emergency Management Framework

Hazard Management Agencies (HMA)

Note: Actual HMA's are department heads

DFES

- Collapse
- Cyclone
- Earthquake
- Flood
- Storm
- Tsunami
- Fire
- HAZMAT
- PPRR Chemical / Radiological

Dept of Transport

- Marine transport emergency
- Marine oil pollution

WA Health

- Human Epidemic
- Heatwave
- PPRR Biological release / spill

Coordinator of Energy

- Gas supply disruption
- Liquid fuel disruption
- Electricity supply disruption

PTA / Brookfield

- Rail crash

WA Police

- Road crash
- Air crash
- Terrorist Act
- Land/Marine search and rescue
- Radiation escape NPW
- Space re-entry debris

DPIRD

- Animal and plant: Pest or diseases

Health Policy



- **Health Emergency Management Policy**
 - **MP0170/21 with 8 policy requirements**
- **State Health Emergency Response Plan (SHERP)**
- **Infectious Disease Emergency Management Plan (IDEMP)**

Emergency Management Principles

- Risk Management Approach
 - Shared Responsibility
 - All Hazards Approach
 - Graduated Approach
 - All Agencies Approach
 - Continuous Improvement
 - Integrated Information Management
 - Community Engagement
- 



What is SHICC

What We Do – State Health Incident Coordination Centre

- The SHICC is the operational centre at Royal Street that coordinates a Health response to any incident requiring State-level intervention.
- The SHICC can be activated at very short notice in order to provide communication, coordination and assistance to any significant incident.

- Satellite voice comms
- MERN (Radio Comms)
- Video Conferencing
- Media

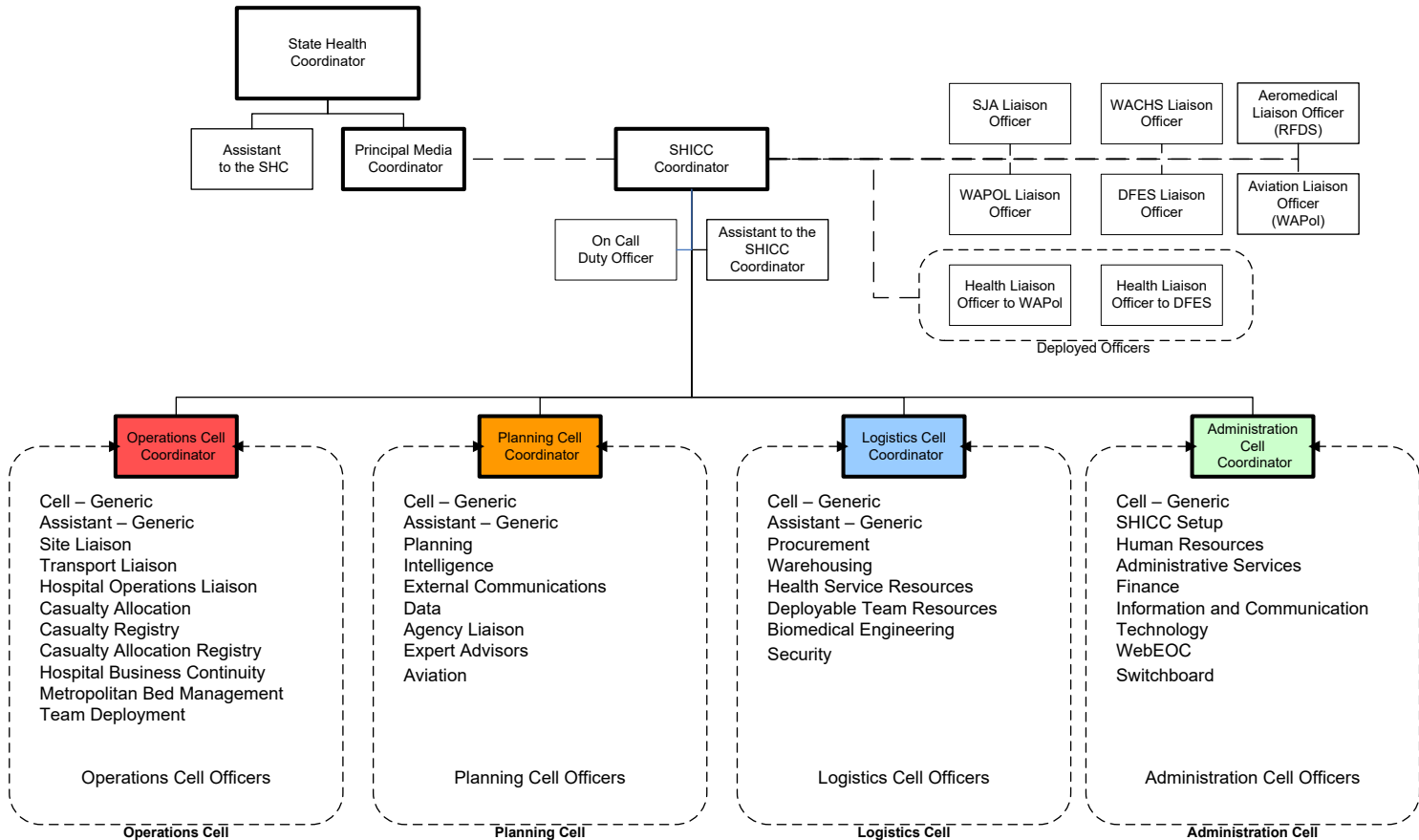


Incident management in

Health

State Health Incident Coordination Centre

Version 0.13



Notification

- 24/7 Duty Officer – Health (08) 9328 0553
- *On Call Duty Officer – OCDO*
- *On Call Operations Officer – OCOO*
- *Director General's Delegate - DGD*

MAJOR INCIDENT



SEND ALL THE THINGS!!!

Major Incident

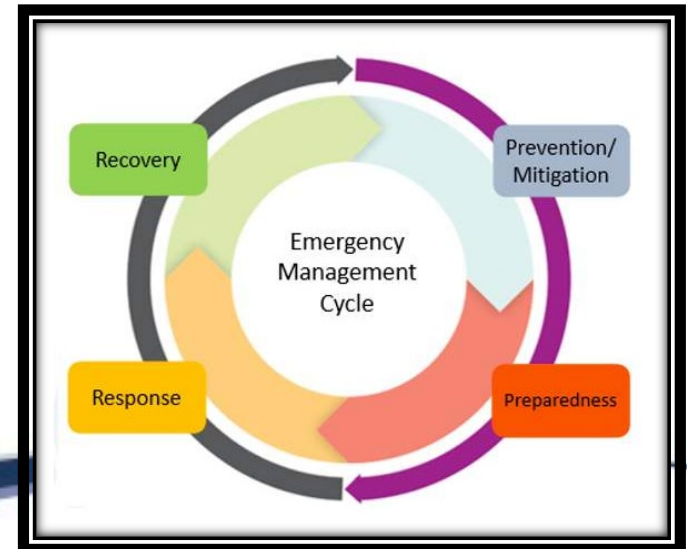
An Emergency (or Major Incident) means the occurrence or imminent occurrence of a hazard which is of such a nature or magnitude that it requires a significant and coordinated response.

Emergency Management Act 2005

Major Incident Management

The management of the adverse effects of an emergency including:

- Prevention
- Preparedness
- Response
- Recovery



Response Continuum



How does PPRR align?

Prevention & Preparedness

Training, exercising, risk mitigation, capacity building

Response

Crisis management

Recovery

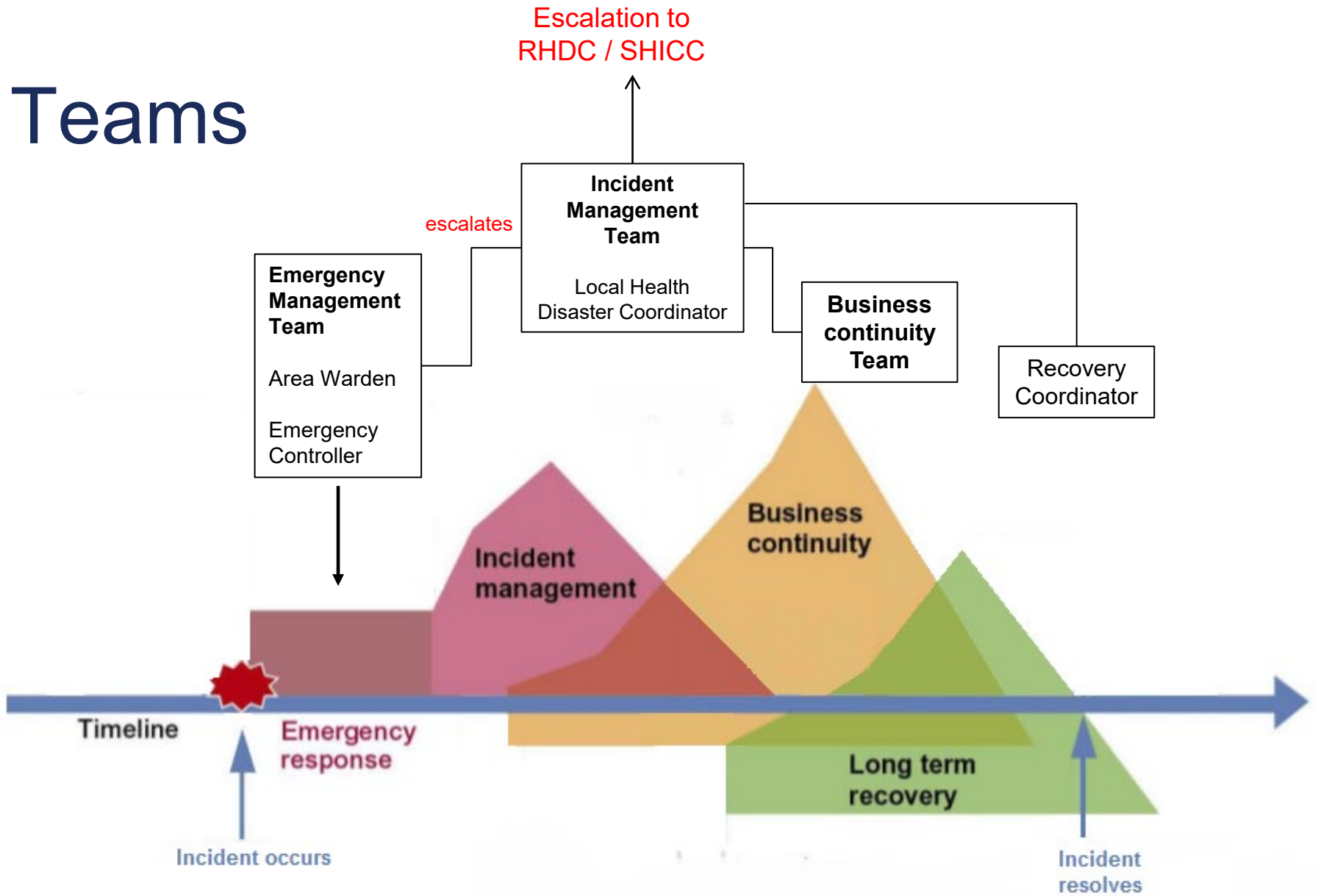
Prevention & Preparedness

Lessons learned, Continuous improvement

Returning to normal operations



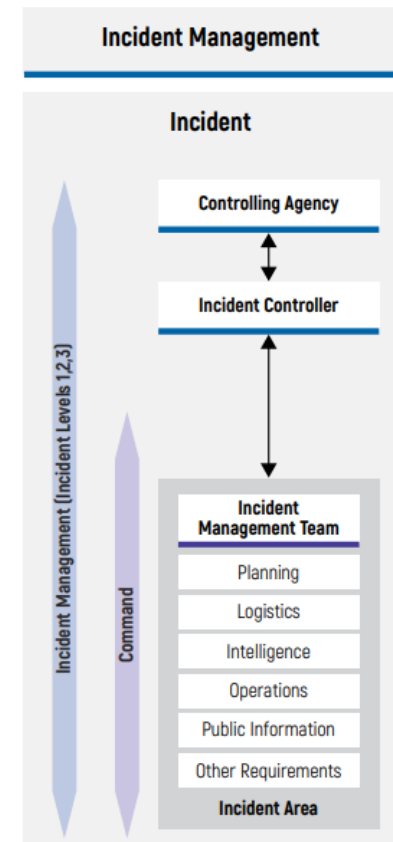
Teams




Incident Management Team

- Established by the Incident Controller
- The IMT is made up of functional areas/cells (AIIMS or ICCS plus)

- **Coordination**
- **Operations**
- **Logistics**
- **Administration/Finance**
- **Planning**
- **Public information**
- **Safety**
- **Communications**
- **Investigations**
- **Intelligence**
- **Recovery**

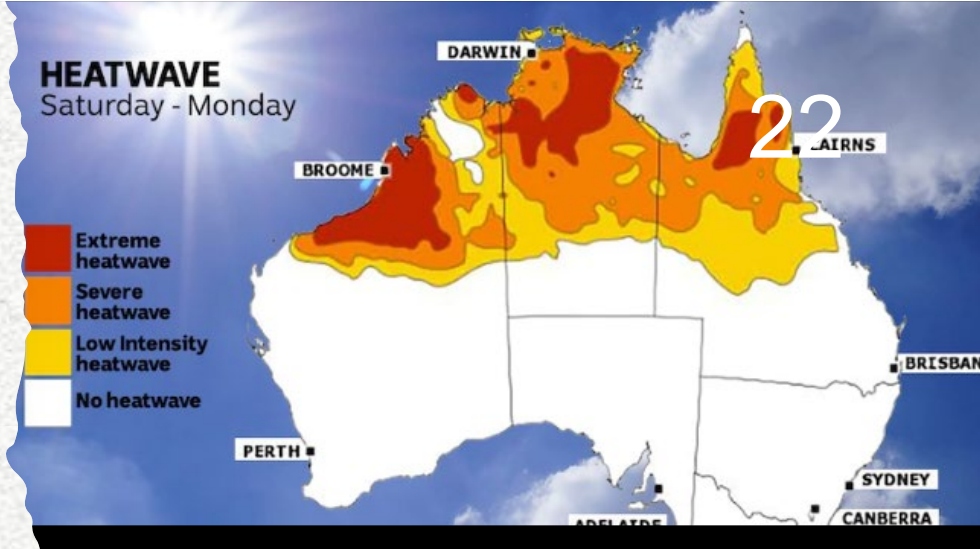


Risk Management

- Although HMAs are responsible for prescribed hazards, all agencies have a role in risk mitigation
 - Risk assessment, mitigation & management
 - People
 - Economy
 - Environment
 - Social Setting
 - Public Admin
 - Infrastructure
 - Specific hazard mitigation strategies
(as outlined in State Hazard Plans)
- 

Heatwave Pilbara & Kimberley – December 2022

- Health as HMA
- 1st event with new trigger and Australian Warning System



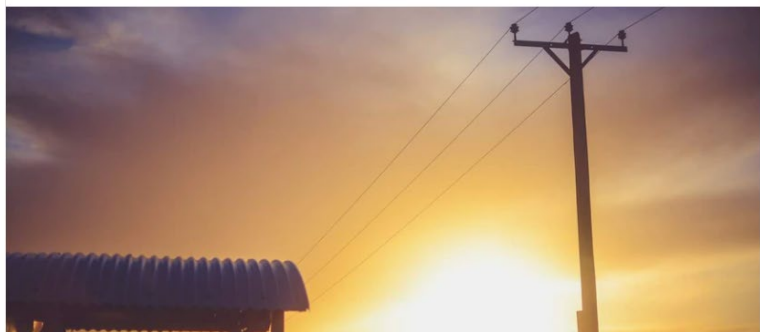
Heatwave
STATE HAZARD PLAN

| | | | | | |
|---|--|-------------------------------------|-------------------------------|---|---|
| RESPONSIBLE AGENCY Department of Health (Disaster Preparedness and Management Unit) | APPROVED BY State Emergency Management Committee | RESOLUTION NUMBER T022021 | VERSION NUMBER 3.01 | DATE OF APPROVAL 21 DECEMBER 2022 | DATE OF EFFECT 22 DECEMBER 2022 |
| | | | | REVIEW DATE OCTOBER 2027 | |

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Heatwave alert for Australia's north as temperatures tipped to hit 48 degrees this weekend

By Tyne Logan
Posted Sat 10 Dec 2022 at 3:07am, updated Sat 10 Dec 2022 at 9:01am



Excess Heat Factor -trigger

| Town | Thu 8 Dec | Fri 9 Dec | Sat 10 Dec |
|------------------|-----------|-----------|------------|
| Argyle | 1.8 | 2.0 | 0.6 |
| Bidyadanga | -0.5 | 0.7 | 1.1 |
| Broome | 0.2 | 1.2 | 2.1 |
| Derby | 2.0 | 3.2 | 2.1 |
| Fitzroy Crossing | 3.5 | 4.0 | 2.3 |
| Halls Creek | 0.9 | 1.3 | 0.2 |
| Kalumburu | 4.2 | 5.4 | 3.4 |
| Kununurra | 3.1 | 4.5 | 2.2 |
| Lombadina | 0.2 | 0.8 | 0.6 |
| Wallal | 0.4 | 2.8 | 3.2 |
| Wyndham | 3.1 | 3.7 | 1.5 |

| District | Sun 4 Dec | Mon 5 Dec | Tue 6 Dec | Wed 7 Dec | Thu 8 Dec | Fri 9 Dec | Sat 10 Dec |
|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Central West | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave |
| Central Wheat Belt | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave |
| Eucla | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave |
| Gascoyne | Low | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave |
| Goldfields | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave |
| Great Southern | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave |
| Kimberley | Severe | Severe | Extreme | Extreme | Extreme | Extreme | Extreme |
| Lower West | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave |
| North Interior | Severe | Severe | Extreme | Extreme | Extreme | Extreme | Extreme |
| Pilbara | Extreme | Extreme | Extreme | Extreme | Extreme | Extreme | Extreme |
| South Coastal | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave |
| South East Coastal | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave |
| South Interior | Severe | Low | Severe | Severe | Severe | Low | No heatwave |
| South West | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave | No heatwave |

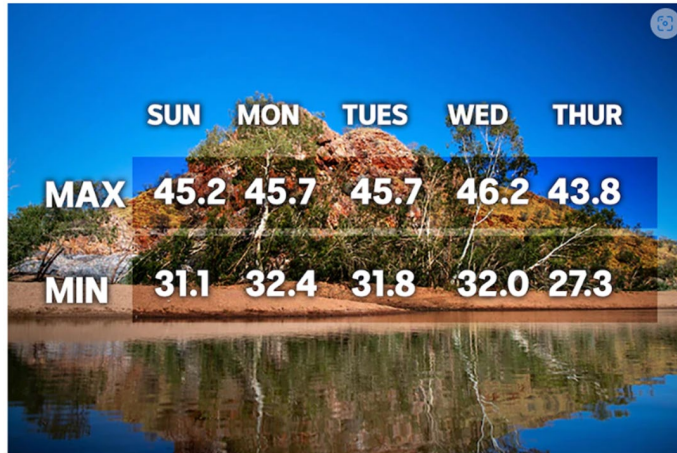
Community Alerts

Warnings now issued on
Emergency WA

Marble Bar hottest in the world

It has already been a week of extreme heat for northern Australia.

On Wednesday Marble Bar, in Western Australia's Pilbara region, was the hottest place in the world reaching 46.2C, according to Mr How.



Emergency WA



ADVICE



WATCH AND ACT



EMERGENCY
WARNING

Multiple vulnerabilities increase the risk of health impacts:



The less able, pregnant, or already infirm



The poor, displaced, and homeless



Children & the elderly



Athletes



Outdoor & manual workers

Most Importantly - Why

- Human beings need to maintain a core body temperature of 36.1 to 37.2⁰ C
- Essential for survival to enable critical enzymes to operate optimally
- Heat loss and production must remain balanced
- The rate of heat loss depends on loss through the skin via the blood
- Vulnerabilities increase the risk of illness and can increase premature mortality



Health Combat Agency 2023 Floods & Cyclones

Health supported a DFES request for EM specialists to deploy with their Pre-Formed Team.

Fitzroy Floods



Fitzroy Floods



Health Combat Agency 2023 Floods & Cyclones

- SHICC activated with
- WA Country Health Service – Pilbara & Kimberley Regional Operations Centre activated.

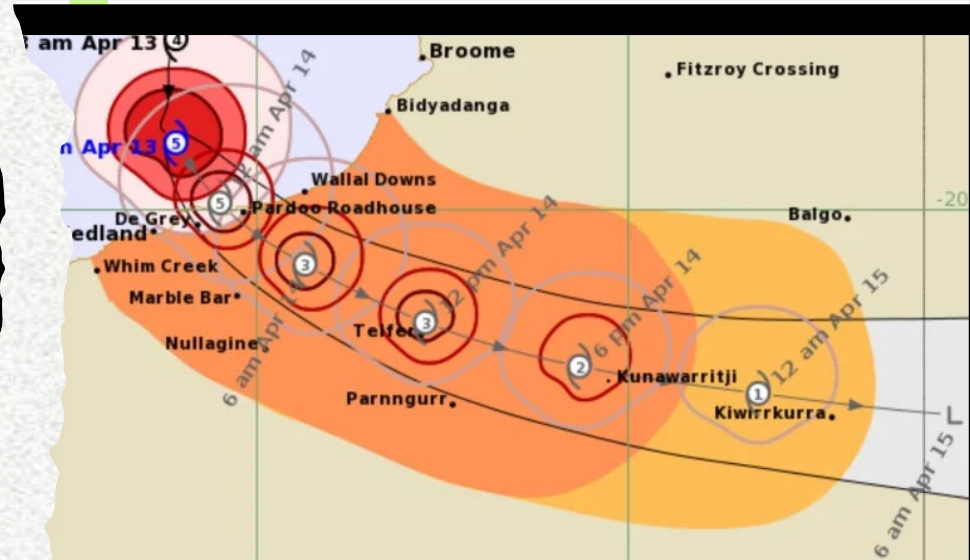
Government of Western Australia
Department of Health

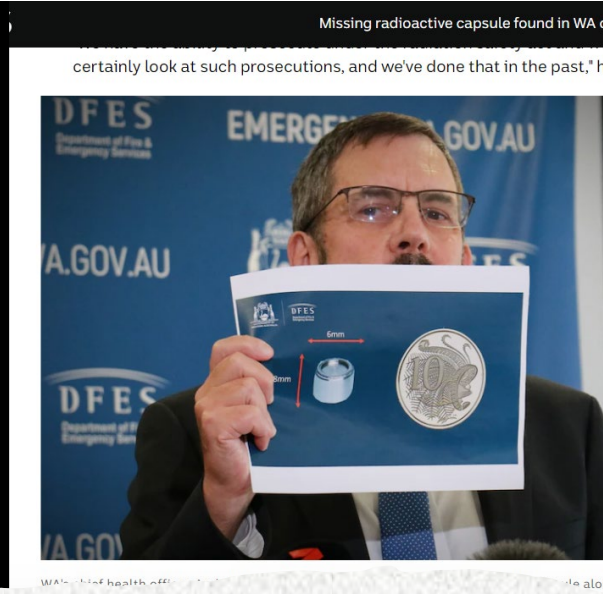
Hospital Preparedness Report

For support or assistance please email dpmu.webec@health.wa.gov.au.

Report Status - All

| Facility Name | Code | No. of Pt / clients at / using facility | No & type of Pt / clients difficult to evac | High risk Pt / clients in community | Deficits of staff | Deficits of pharmaceuticals / consumables | Deficits of medical gas | Deficits of food / water | Infrastructure problems | All comms are charged | No. of vehicles available | Other requests / issues | Report Status |
|----------------------------------|------------------|---|---|-------------------------------------|-------------------|---|-------------------------|--------------------------|-------------------------|-----------------------|---------------------------|-------------------------|---------------|
| EOC Tom Price : 14/04 1513hrs | None | 5 | 0 | 0 | No | No | No | No | No | Yes | 6 | No | FINAL |
| OC Paraburdoo : 14/04 1511hrs | None | 1 | 0 | 0 | No | No | No | No | Yes | Yes | 2 | No | FINAL |
| OC Roebourne : 14/04 1151hrs | Cyclone A8 Clear | 0 | 0 | 0 | No | No | No | No | No | Yes | 3 | No | DRAFT |
| OC Hedland : 14/04 0913hrs | Cyclone A8 Clear | 26 | 0 | 4 | No | No | No | No | No | Yes | 10 | No | DRAFT |
| EOC Newman : 14/04 0906hrs | None | 8 | 0 | 0 | No | No | No | No | No | Yes | 8 | Yes | FINAL |
| EOC Onslow : 13/04 1626hrs | None | 1 | 0 | 2 | No | Yes | No | No | No | Yes | 3 | No | DRAFT |





Combat Agency responsibilities

State Hazard Plan – HAZMAT
DFES as HMA

Health as a Combat Agency HAZMAT



NEWS

Missing radioactive capsule found in Y... back at... search

conference held late on Friday afternoon.



- @Leigh – Health LO
- @Hazel – Radiation Specialist

Planned Event: Total Solar Eclipse





Questions?

