Emergency Medical Response
Partnering with Victoria’s Fire Services to improve Out-Of-Hospital cardiac arrest survival

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ambulance.vic.gov.au
4400 Paramedics in a two-tier model (3850 ALS & 550 MICA) & over 1000 First Responders
Victoria’s Fire Services

52 fire stations across Metropolitan Melbourne

1220 fire stations across outer-metropolitan Melbourne & Regional Victoria
Cardiac Arrest in Victoria (2016/17)

We attended 6,034 cardiac arrest patients across Victoria - the most cardiac arrest cases ever.

6,034 \(\text{↑} \ 2.3\%\)

- **64% Male**
- **65 years**
- **36% Female**
- **72 years**

- 76% of cases occurred in private residences
- 15% in a public place
- 8% in aged care facilities
- 1% in medical facilities

DEMographics
The EMR Program
The Partnership

- Long-standing
- Memorandum of Understanding
- Clinical Governance
- Dedicated departments within each organisation
- Clinical debrief & skills maintenance training
- Outcome data captured by Victorian Ambulance Cardiac Arrest Registry (VACAR)
- Strong commitment from all agencies
## The Results

### The Last Five Years
(July 2013 – June 2018)

<table>
<thead>
<tr>
<th>Agency</th>
<th>EMR Events Attended</th>
<th>Cardiac Arrests</th>
<th>% Cardiac Arrest EMR First O/S</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFA</td>
<td>4977</td>
<td>2036 (41%)</td>
<td>47.5%</td>
</tr>
<tr>
<td>MFB</td>
<td>19930</td>
<td>7644 (38%)</td>
<td>44.5%</td>
</tr>
<tr>
<td>Total</td>
<td>24907</td>
<td>9680 (39%)</td>
<td></td>
</tr>
</tbody>
</table>
## The Results

### The Last 12 Months
(April 2017– March 2018)

<table>
<thead>
<tr>
<th>Agency</th>
<th>Confirmed Arrest</th>
<th>EMR First On Scene</th>
<th>Commenced CPR</th>
<th>Defibrillation</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFA</td>
<td>632</td>
<td>291 (46%)</td>
<td>120 (42%)</td>
<td>24 (9%)</td>
</tr>
<tr>
<td>MFB</td>
<td>1578</td>
<td>708 (45%)</td>
<td>223 (32%)</td>
<td>40 (6%)</td>
</tr>
<tr>
<td>Total</td>
<td>2210</td>
<td>999 (45%)</td>
<td>343 (35%)</td>
<td>64 (6.5%)</td>
</tr>
</tbody>
</table>
The Results

EMR Defibrillation

Source: 2016/17 VACAR Annual Report
The Results

Ambulance Victoria overall State-wide Survival (VF/VT)

Source: 2016/17 VACAR Annual Report
The Future of EMR

- Further expansion of the program
- Enhancement of training and qualification awarded
- Consideration of expanded EMR skill-sets for fire fighters
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