

Naloxone for administration by peers in cases of heroin overdose

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TO THE EDITOR: We wish to call for the removal of scheduling and legislative barriers in Australia that prevent easy access to naloxone for administration by peers to people suffering from a heroin overdose.

Use of illicit opioids, typically heroin, remains the major cause of illicit drug-related mortality in this country, with at least one accidental opioid overdose currently occurring each day.¹ Although population levels have not reached those seen during the peak in the late 1990s, geographically localised and transient increases in overdoses are evident.²

Mortality from heroin overdose typically occurs some time after use. In many cases, other people are present, and there is considerable scope for intervention to prevent death.³ Yet, in more than 70% of cases of fatal overdose, there is no intervention, and, where action is taken, calling an ambulance is seldom the first strategy, resulting in even greater risk of mortality.³

Opioid substitution treatment (with methadone or buprenorphine) is the mainstay of overdose prevention in Australia. Other interventions implemented here include outreach services and education for injecting drug users about the risks of overdose and how to respond to it.³

In 2000, Lenton and Hargreaves summarised the evidence for distributing the opioid antagonist naloxone for administration by peers to prevent deaths from heroin overdose. They concluded that an Australian research trial was needed.⁴ When, in 2001, the Australian heroin market was disrupted and heroin use and overdoses declined, the trial did not proceed.

Since then, emerging international evidence has demonstrated that injecting drug-using peers, family members and outreach workers can successfully administer naloxone to reverse heroin overdose — with few, if any, adverse effects.⁵ By December 2008 in the United States, 52 programs distributing naloxone for administration by peers were operating in 17 states, with over 1000 documented overdose reversals resulting from these programs.⁵ Most concerns about the intervention — such as the possibility of unsafe naloxone administration, re-intoxication or more risky drug use — appear to have been unfounded, and naloxone administration by trained peers has been shown to be a remarkably safe intervention.⁵

In our view, the international evidence clearly indicates that increased naloxone availability will prevent many cases of fatal overdose, that conducting a trial in Australia is now unnecessary, and that naloxone should be made available without delay to be administered by peers in cases of opioid overdose. Careful monitoring and evaluation should be a part of this process.

We call on all Australian states and territories to immediately enact Good Samaritan legislation to legally protect lay people using naloxone in emergency situations. Naloxone should be reclassified from a Schedule 4 (S4) drug (available only on prescription) to S3 or S2 to make it available over the counter. As naloxone is no longer under patent,⁵ there may be little financial incentive for a drug company to pursue rescheduling. However, it could be rescheduled in Australia under provisions that allow state health authorities, professional associations or the [National Drugs and Poisons Schedule Committee](#) to initiate the process.

Heroin overdose deaths are preventable. We need to take action now to enable this peer-led intervention to reduce this serious outcome.

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