

# *Antidote Anecdotes:*

## Fire B-12 and LE Naloxone experiences in the Land of Enchantment

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# Questions to consider...

1- Logistically possible w/ training, area of response, cooperating agencies?

2- Fiscally prudent and sustainable?

3- Benefits?





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**QUICK FACT**

Today I found out...

Cyanide poisoning works by not allowing the body to use oxygen. So the blood remains oxygenated after it passes through your body and back to the lungs. Thus, it causes the body to suffocate, even though the lungs are working properly.

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## CYANIDE ANTIDOTE KIT



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Clin Toxicol (Phila). 2006;44 Suppl 1:37-44.

## Prehospital administration of hydroxocobalamin for smoke inhalation-associated cyanide poisoning: 8 years of experience in the Paris Fire Brigade.

Fortin JL<sup>1</sup>, Giocanti JP, Ruttimann M, Kowalski JJ.

### Abstract

**INTRODUCTION:** This article reports the results of a retrospective study of 8 years of experience of the Paris Fire Brigade with the prehospital use of hydroxocobalamin.

**METHODS:** The head physician at the Paris Fire Brigade extracted and summarized data from standardized forms completed at the fire scene and, when available, hospital reports to assess survival status and clinical parameters associated with the use of hydroxocobalamin for each patient who received it for smoke inhalation-associated cyanide poisoning from 1995 to 2003.






# 2007

## Prospective Study of Hydroxocobalamin for Acute Cyanide Poisoning in Smoke Inhalation

Presented in part at the 2005 annual meeting of the American College of Emergency Physicians, September 2005, Washington, DC.

[Stephen W. Borron](#), MD, [Frédéric J. Baud](#), MD , [Patrick Barriot](#), MD, [Michel Imbert](#), MD, [Chantal Bismuth](#), MD



DOI: <http://dx.doi.org/10.1016/j.annemergmed.2007.01.026>



### Emergency Medicine News:

July 2007 - Volume 29 - Issue 7 - p 10

doi: 10.1097/01.EEM.0000285229.94962.45

Toxicology Rounds

## Hydroxocobalamin Approved for Cyanide Toxicity (Finally!)

Is Hydroxocobalamin Safe and Effective for Smoke Inhalation?  
Searching for Guidance in the Haze

**Andrew R. Erdman, MD**

From Drug Safety/Development, Genentech Pharmaceutical, South San Francisco, CA.

0196-0644/\$-see front matter

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doi:10.1016/j.annemergmed.2007.03.006



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**INDICATION: CYANIDE POISONING**



**ANTIDOTE: CYANOKIT  
(HYDROXOCOBALAMIN)**



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# The Flock (34 agencies)

- 21 Yes- Hydroxocobalamin
- 9 No/ 3 \$\$ biggest obstacle
- 4 still Na Thiosulfate
- Most on BC/Sup rigs
- 0-50 administrations





# AFD Feb 2015 roll out

## AFD using new device to help save victims of smoke inhalation



Updated: 02/24/2015 5:53 PM | Created: 02/24/2015 5:29 PM  
By: Stuart Dyson, KOB Eyewitness News 4



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# AFD experience

- 2/15- just after roll out- OK!
- 10/15- Lact 19.3/CO 49.6\*
- 12/15- Lact 12.7/CO 38.9\*

# Changing gears...



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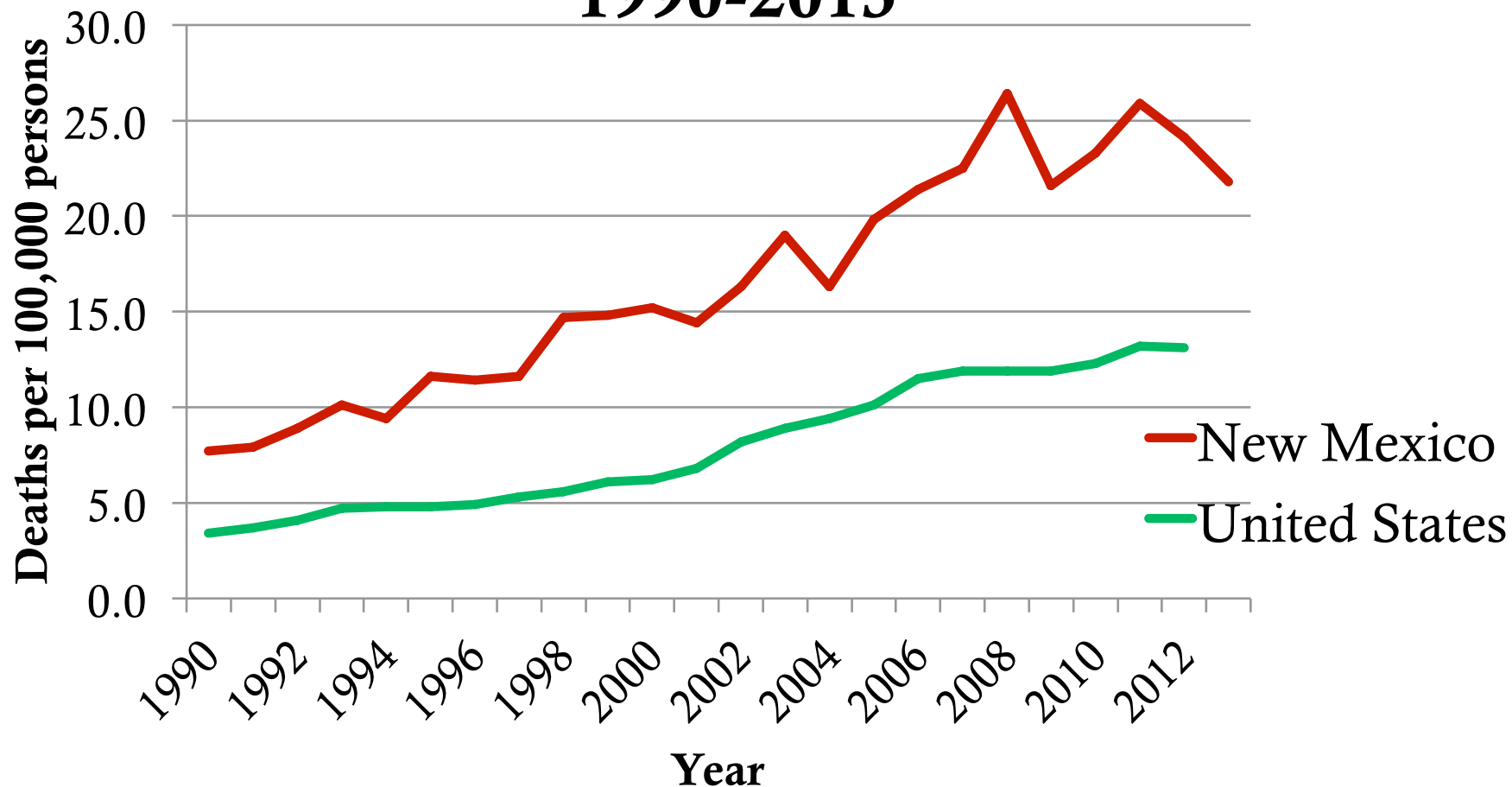




# Law Enforcement Naloxone in New Mexico

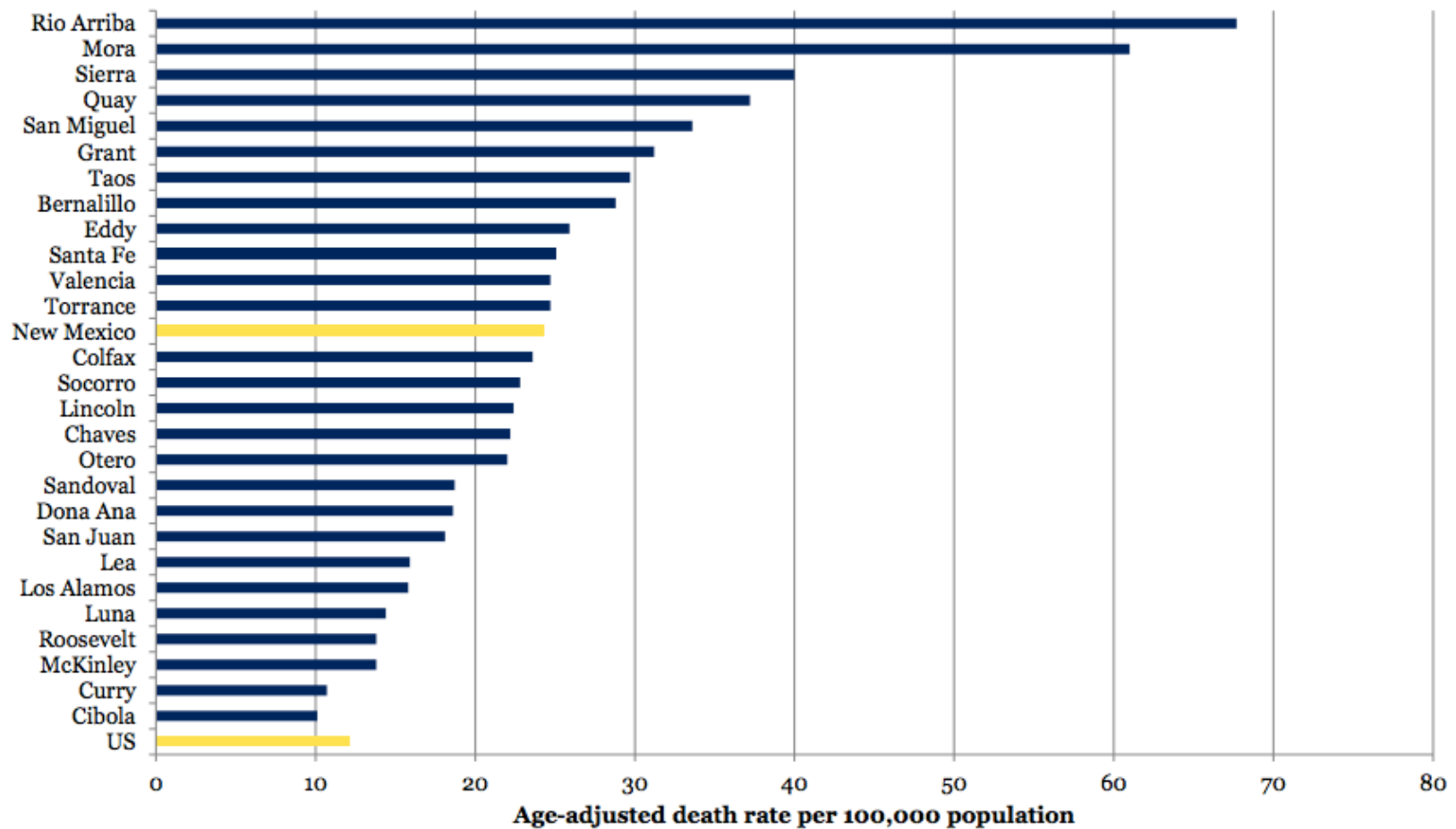


# Drug Overdose Death Rates New Mexico and United States, 1990-2013



Source: United States (CDC Wonder); New Mexico (NMDOH BVRHS/SAES, 1990-1998; NM-IBIS, 1999-2013)

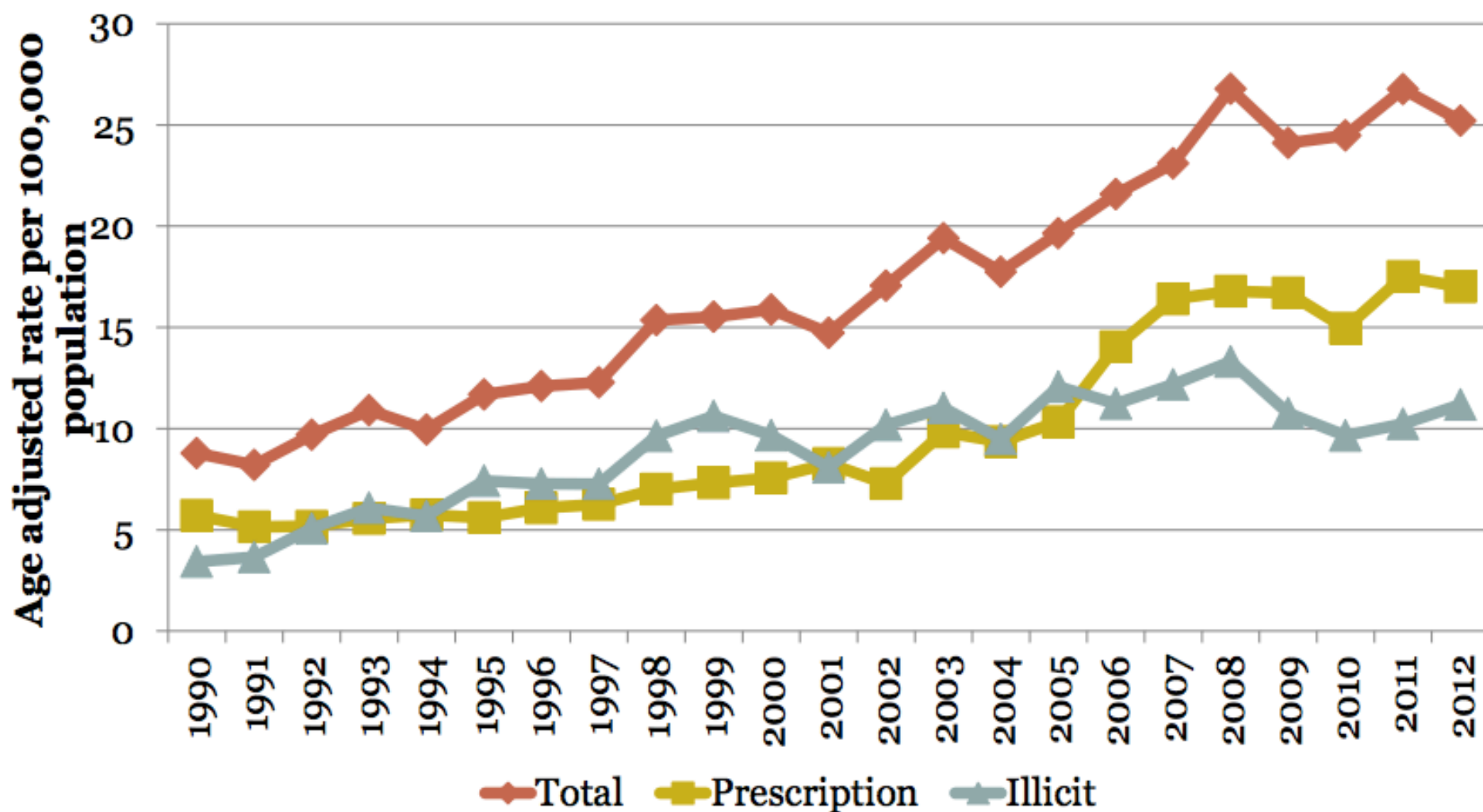
## Drug Overdose Death Rates by County New Mexico, 2008-2012 and US, 2010



Source: NMDOH BVRHS; CDC Wonder



## Total Overdose Death Rates by Type of Drug, New Mexico, 1990-2012



Source: New Mexico Office of the Medical Investigator.

Note: Groups are not mutually exclusive.

**NEW MEXICO DEPARTMENT OF HEALTH**  
Administrative Manual

Chapter

**ADMINISTRATION**

**EFFECTIVE:**

**REVISED: 4/13/9 draft**

Policy

**NALOXONE DISTRIBUTION POLICY**

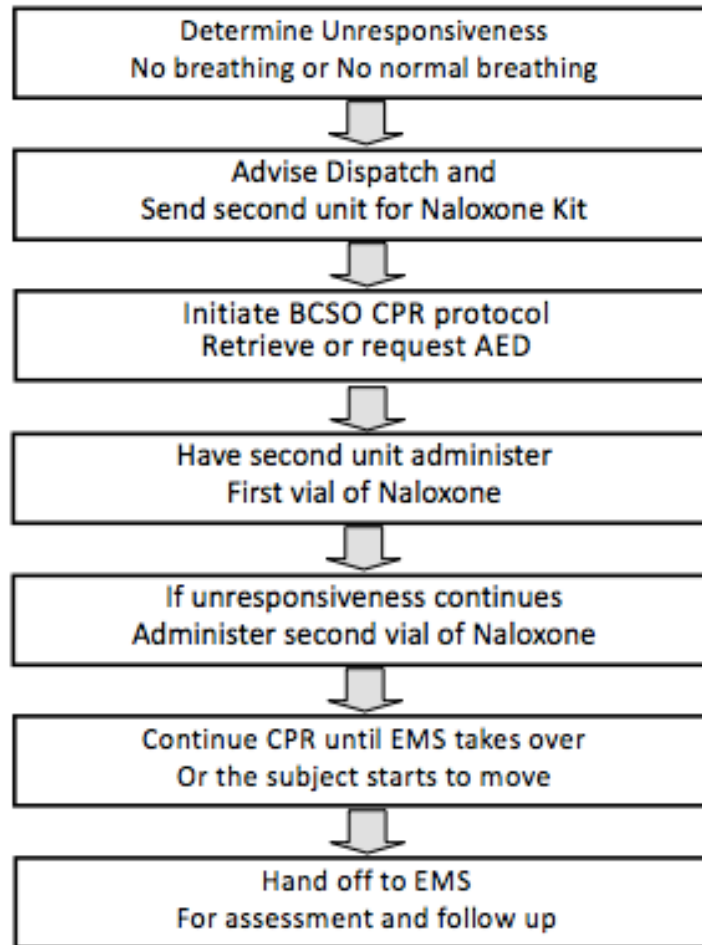
**I. PURPOSE:**

This New Mexico Department of Health (NMDOH) policy establishes guidelines for the dispensing of Naloxone through NMDOH Public Health Offices (PHO) and Contractors in order to reduce fatal opioid overdose as stated in Chapter 24, Article 23, Sections 24-23-1 and 24-23-2, NMSA 1978, and 7.32.7.1 through 7.32.13 NMAC, 9/13/2001.





## **BCSO Overdose Response with Naloxone**





# BCSD Naloxone experience

(Jul 15 rollout)

- 9 deployments so far, 1 almost immediately
- 4/9- NO response to Naloxone
- 5/9- restoration of normal respiration
- 1/9- cardiac arrest w/ ROSC after LE AED/CPR\*



# Couple of questions...

1- logistical issues - training, area of response, cooperating agencies, ?

2- fiscally prudent and sustainable?

3- benefits?



# Thank You

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