

CLEVELAND EMS

Bed Bug Control Procedures

Presenter: Jamie Marquardt, Operations Sergeant

WHAT I AM NOT



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We need to overreact to this issue rather then underreact. The last thing we want is a patient to get bed bugs from our ambulances or for one of our employees take bugs home to their families.

OVERVIEW



HOW DID WE ARRIVE AT THIS POINT?

- "Sleep tight and don't let the bedbugs bite."
- 1950's Bugs were rare find
- Ban of DDT in 1972
- Reemergence 1990's
 - Increased Travel
 Illegal aliens
 Thrift shops
 No DDT
 - The economy
- Cleveland is greatly affected



HOW DID WE ARRIVE AT THIS POINT

- Major jump in incidents of bedbugs in 2010.
- Crews began voice concerns about PPE.
- Using insect bombs and bleach.
- Realized:
 - Prepared for chemicals.
 - Prepared for diseases.
 - Not prepared for bed bugs.
- Current practices did not protect or eliminate.

Major Concerns

- Are we cross contaminating patients?
- Are crews contaminating their homes?
- Are crews at risk of contaminating bases?
- Does our current measures kill bed bugs?
- What cost of hiring extermination company?
- Danger of chemicals to patients and crews.
- Out of service time for units.
- Patient confidentiality vs. Crew protection.
- Can we be contaminating hospitals?



PLAN OF ATTACK

- Extensive investigation started.
- Experienced and reputable sources used.
- Generated Research Paper
 "Bed Bug Control Strategies for Ambulance Personnel" February 4, 2011
- Research Paper converted to General Order









PLAN OF ATTACK

Education

Background

- -Why the increase?
- -East vs. West

Images

- -What do they look like?
- -How big are they?

Description and Behavior

- -Where are they?
- -How can I tell them from a flea, tick or cockroach?
- -What do they want?
- -What should I look for?



PREVENTION

- Squads and bases kept clean.
- No furniture brought into base.
- Frequent inspection of squad and base.
- Linens
- Uniforms
- Personnel
- CAD



DETECTION

- Live Bug may be seen.
- Someone informed you.
- You inspect:
 - -Patient
 - -Surroundings





Procedures

- PPE (Personal Protective Equipment)
 - -Jump suits
 - -Boot covers
 - -Head covers
 - -May have allergies
- Protect Equipment Bags.
- Remove clothes, wrap patient up.
- Leave patient belongings or bag them
- Avoid riders from same house
- Notify Captain and receiving hospital
- Personal Inspection at hospital
- · If time passed, steps retraced



	Bed Bug Control Strategy Questionnaire
Dec	Date and Time of Call: 6 14 11 Capper 130am Unit Number:
	Crew: Gomet 248, Gors, M. 199, McCool 282 Truck Number: 20
	Location of Call: This was removed for patient privacy purposes Transport Location:
	Field Cpt: Captain Styffan RED Center Cpt.: Captain Moore
	CFD Unit(s): Laddle 13 CPD Unit(s): N/A
 Unit 	Where did you find the bed bugs? HU OVER !! (pt/home) Not in our trule
O m	Did the patient claim to have bed bugs? What protective measures were used for patient?
	What equipment was taken into the house?
	Was the equipment set down on any soft surfaces?
Cre	Did you witness any bugs on patient / surroundings? Did the patient have insect bites on them?
Ren	Did you witness any live bugs in squad or on equipment? Where?
• Car	At any point did you witness a live bug? Where? in home on pt
 With 	Did you take riders with Where did the rider sit?
	Did the riders live at the same residence as infestation?
	Did patient bring any items with them to hospital? 1 bag of much between the items placed? 5 shut.
	What protective measures were used for crew? Girman hanta of mes tape bugs on yourself?
	Items needing replaced (Gowns, infection control kits, belonging bags, etc.)
	Additional Comments:
, ,	Procedures Completed (Office use only) Sprayed col + matrices = Bellan - Hans 1887



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after call.

Decontamination Procedure

- Exposure Only
 - Concentrate on location of patient
 Check mattress for integrity-Replace as necessary
 Dispose all linen in patient care area
 Inspect equipment bags taken in the residence
 Cover with Bedlam
 - -Cot Mattress
 - -Cot Frame
 - -All Seats
 - -Walls
 - -Floors
 - -Equipment bags taken in house

Decontamination Mattress

Inspect Mattress



Spray Mattress



Decontamination Cot

Inspect Cot





Spray Cot



Decontamination Patient Care Area

Inspect Area



Spray Area

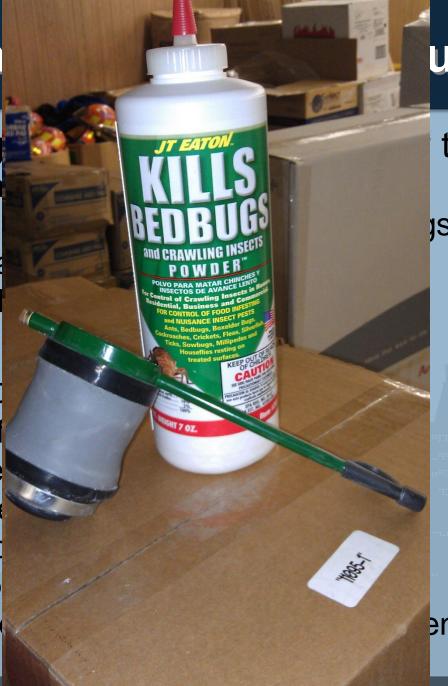




Decon

If bug Ren Dry Stea Bed J.T.

 Comp Prof Atte Det All c Exp Foll



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the cot:

js)

ents

Decontamination Procedure

If bug seen inside the squad off the cot:

Remove everything from squad

Dry Vacuum (Clean filters and bags)

Steam at 329° F

Bedlam Spray

JT Eaton Powder

Complete Infestation

Professional services contacted.

Attempts to track exposure.

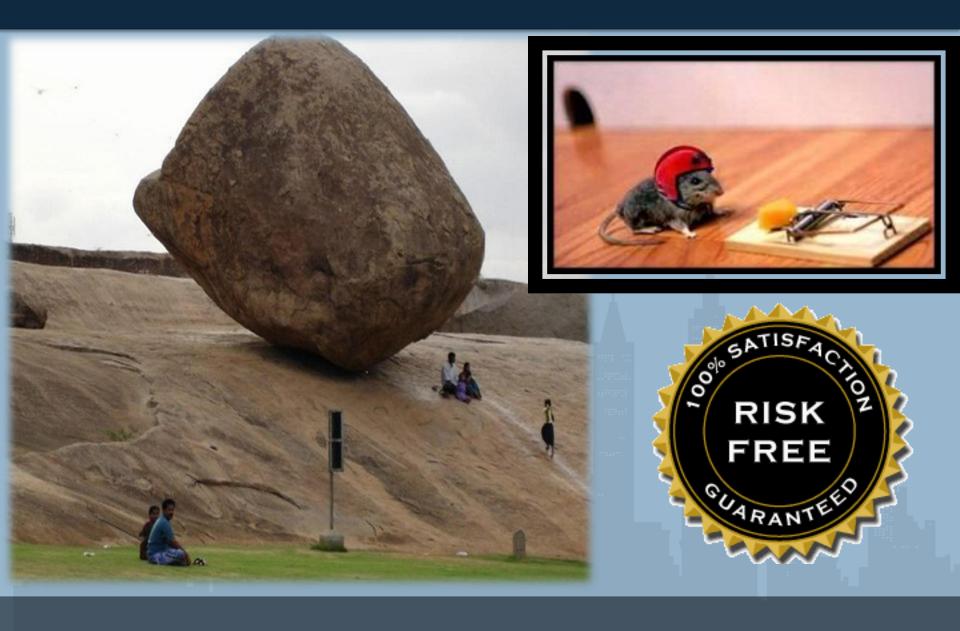
Determine Scope of incident

All crews notified.

Exposed patients notified.

Follow up of truck, crews and patients

RISK VS. REWARD



THANK YOU FOR LISTENING

Feel free to call or Email me with any questions or suggestions you may have.



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