

***Public Health Emergencies
What School Nurses Need To Know***

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Today's Focus



- **Literature.** Overview of disaster management literature in US.-application to school nurses.
- **Resources.** Review resources for school nurses.
- **Evidence Based Teaching.** Demonstration of one low cost, high impact, evidence based educational technique.

What is a Public Health Emergency?

ARE YOU PREPARED TO HELP?

Public Health Emergencies



International experience & school nursing way of life.

- ***Natural:* Hurricane, Flooding, Fire, Snow Storms.**
- ***Man Made:* Terrorist, Shooting Incidents, Toxic Spills.**

Overview Literature

Hospital Care



Capacity
Structure/Process/Outcomes)
Supplies
Staff
Systems

Community Care



Personal Preparedness
EMS
Agencies

*Professional

Literature Focus: "Gaps"

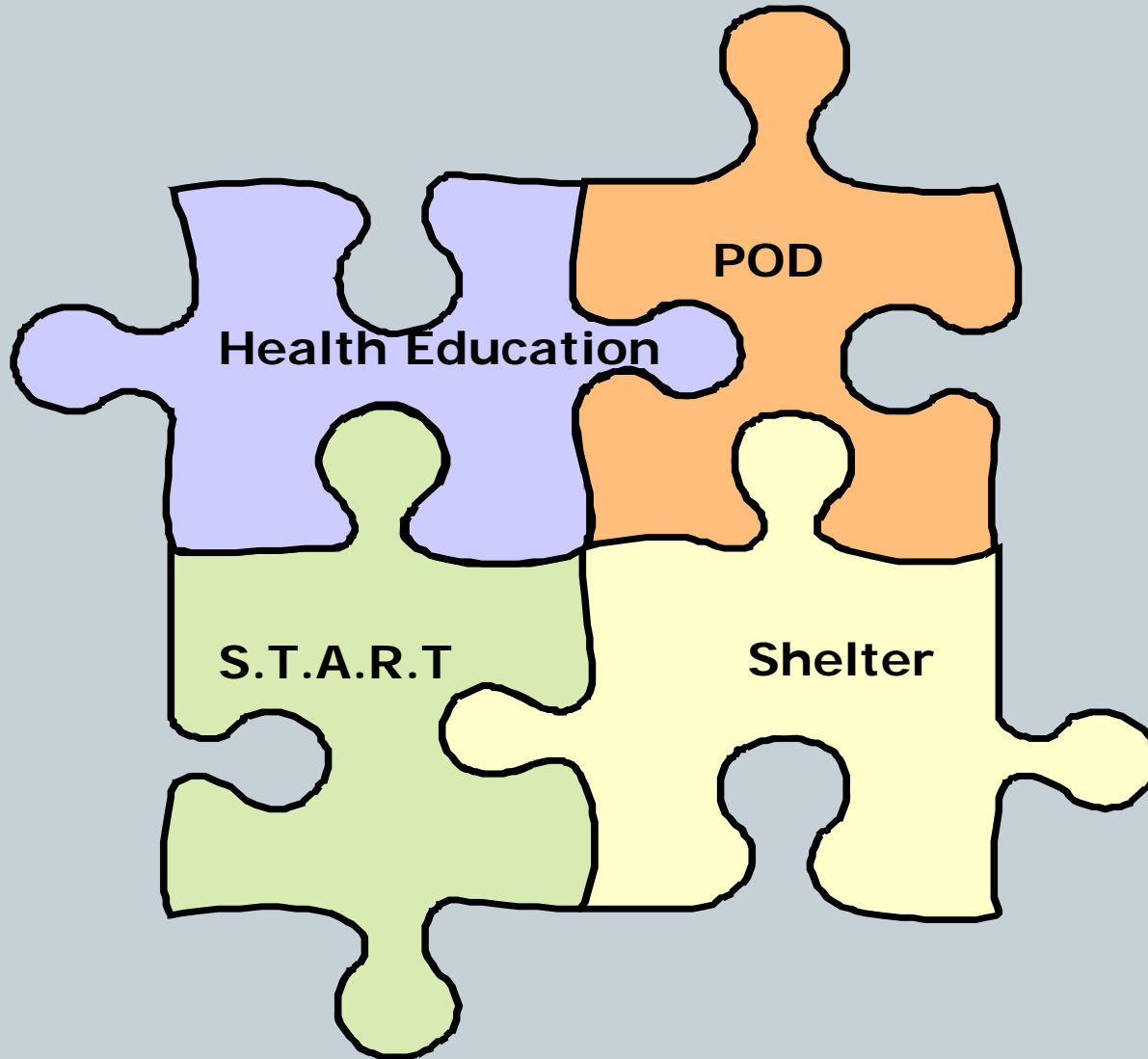


1) COORDINATION

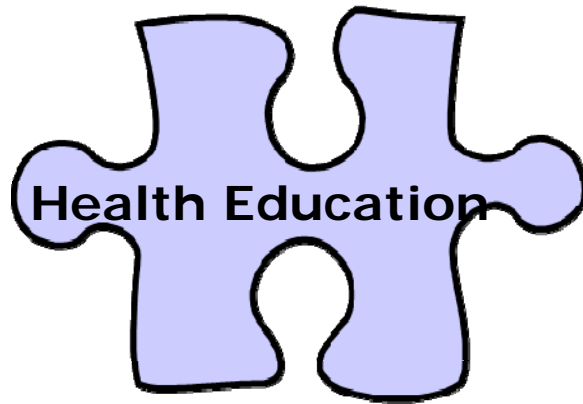
2) KNOWLEDGE (i.e. S.T.A.R.T., NIMS, ROLE).

3) MANPOWER (Need, School Nurses can be Key).

School Nurses



School Nurse as Health Educator



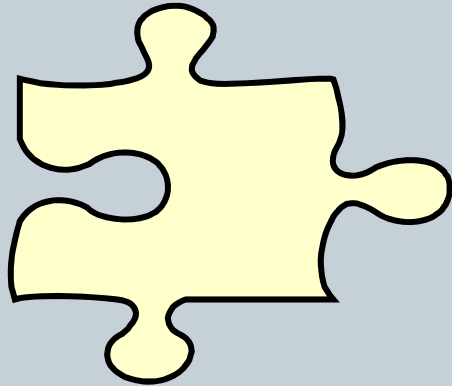
1. Drills (School/Home; Physical & emotional) **Resource:** www.FEMA.gov "get ready America".

2. Food/Shelter Resources: Nursing Organizations (i.e. www.nsna.org, red cross, FEM.WHO).

3. School Nurse: Plans, Supplies, "Go Bag", 3 day Medications

SHELTER

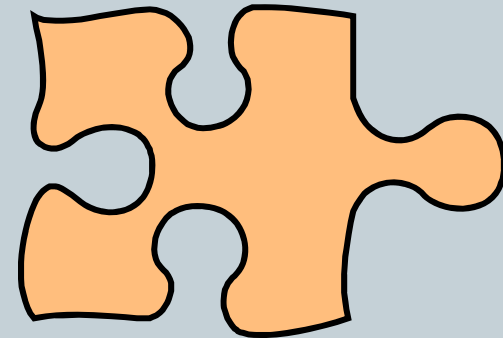
(Medical/Non Medical)



People ?

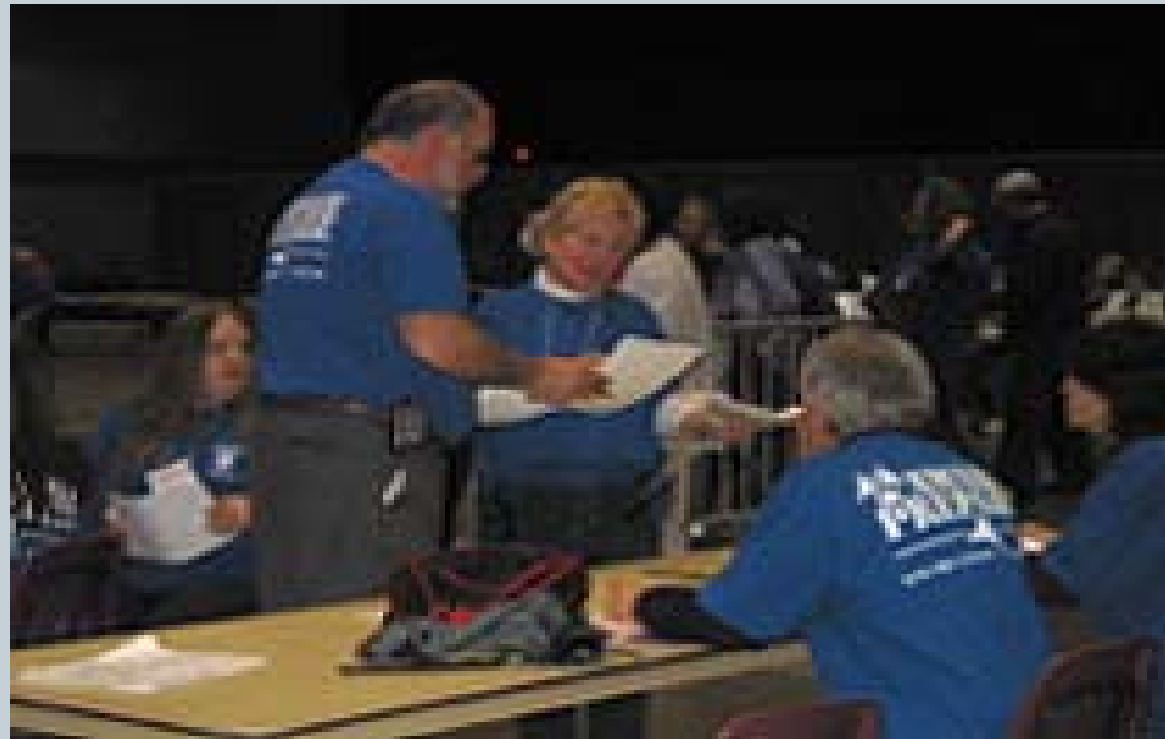
P.O.D.

(Point of Distribution)



Medications

P.O.D. & Shelter



National Strategic Stock



Resources: Department of Health And Human Services (MRC)
Red Cross (disaster Team) & Schools of Nursing.

Develop Teaching Tools



POD & Shelter (MASH)

- **Utube.com- Video**
- **Virtual Practice** interact with “top” sim lab.Pieces like a puzzle(stress reduction **music**).
- **Virtual Practice** with interactive PPT & Mini clickers.
- **“Living Poster”**- Invention for presentations.

Resources for School Nurses



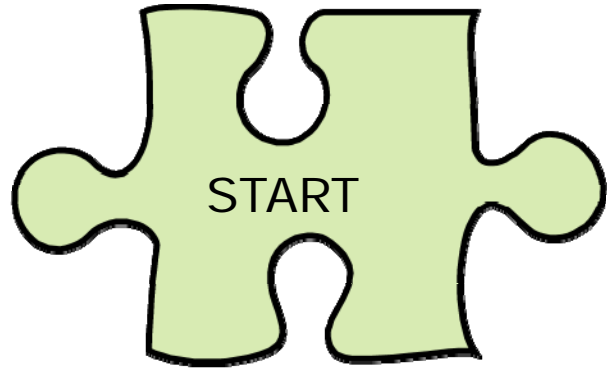
1. National School Nurses Association. www.nsna.org

2. **nowak@lasalle.edu (Adult & Child Modules)

3. Red Cross www.redcross.org

4. FEMA www.fema.gov

5. Jean Watson (Caring); David Kolb (Interactive Education); Revised Bloom Taxonomy) 2 Dimensions of Learning)



What is S.T.A.R.T.?

START IS:

- ✓ **A triage system used in a mass casualty incidents (MCI).**
- ✓ **International Technique.**
- ✓ **MCI (US) is 5 or more victims.**

S= Simple

T= Triage

A= And

R= Rapid

T= Transport



S.T.A.R.T.

Triage is usually done more than once. 15 Sec/pt.



RPM...



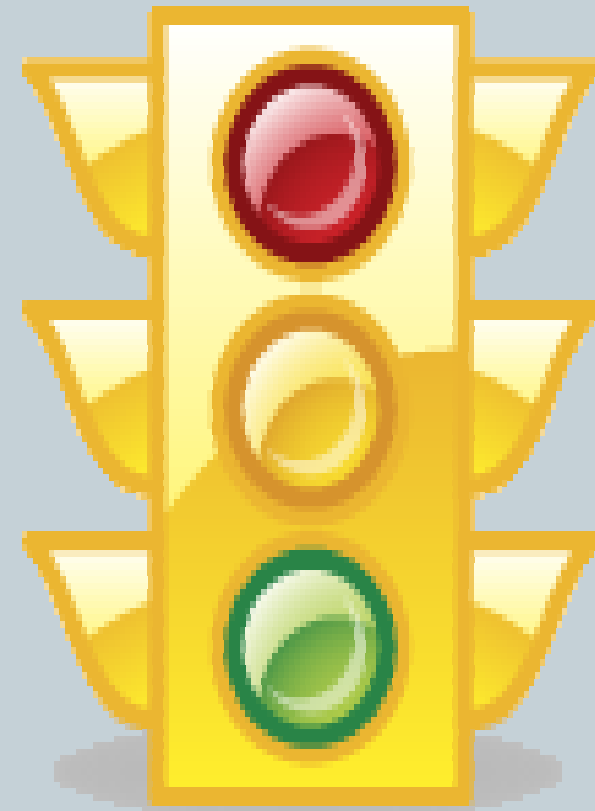


32 Q

RED=
Stop/Urgent
(Ambulance Light)

Yellow=
Caution/Can Wait

Green= Go/Walk



RED TRIAGE

- **R = > 30**
- **P = > 2 sec. (or absent radial pulse)**
- **M = Confused, disoriented**

Green



- Minor/Walking

Black



- No Breathing (reposition head)

Yellow



- All others

7:45 am on a Saturday in August the weather is clear, temperature is 70 degrees. You go with a friend for a relaxing weekend breakfast at a small local airport. A commuter plane with 40 passengers onboard begins speeding down the runway. As the plane lifts off the landing gear retracts, suddenly a catastrophic equipment failure causes the aircraft to crash in the field just west of the airport.

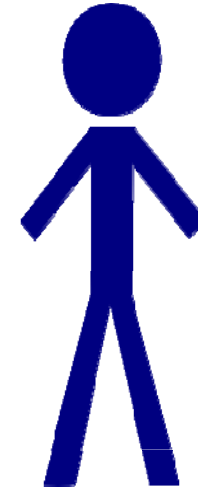


WHAT DO YOU DO?



Patient walks over to you and has an obvious broken arm

- ✓ Respirations are 22
- ✓ Cap. Refill is 2 sec
- ✓ He is awake, alert, and crying



What Triage Category?
GREEN

- ✓ Patient is soaked with blood
- ✓ No obvious injury.
- ✓ Respirations are 38

What Triage Category?
RED





RESPIRATIONS

R Yes
 No

PERFUSION

P + 2 Sec.
 - 2 Sec

MENTAL STATUS

M Can Do
 Can't Do

Move the Walking Wounded ▶ **MINOR**

No Respirations After Head Tilt ▶ **MORGUE**

Respirations - Over 30 ▶ **IMMEDIATE**

Perfusion - Capillary Refill Over 2 Seconds ▶ **IMMEDIATE**

Mental Status - Unable to Follow Simple Commands ▶ **IMMEDIATE**

Otherwise ▶ **DELAYED**

Agent Symbol Identification



RADIOLOGICAL
AGENT

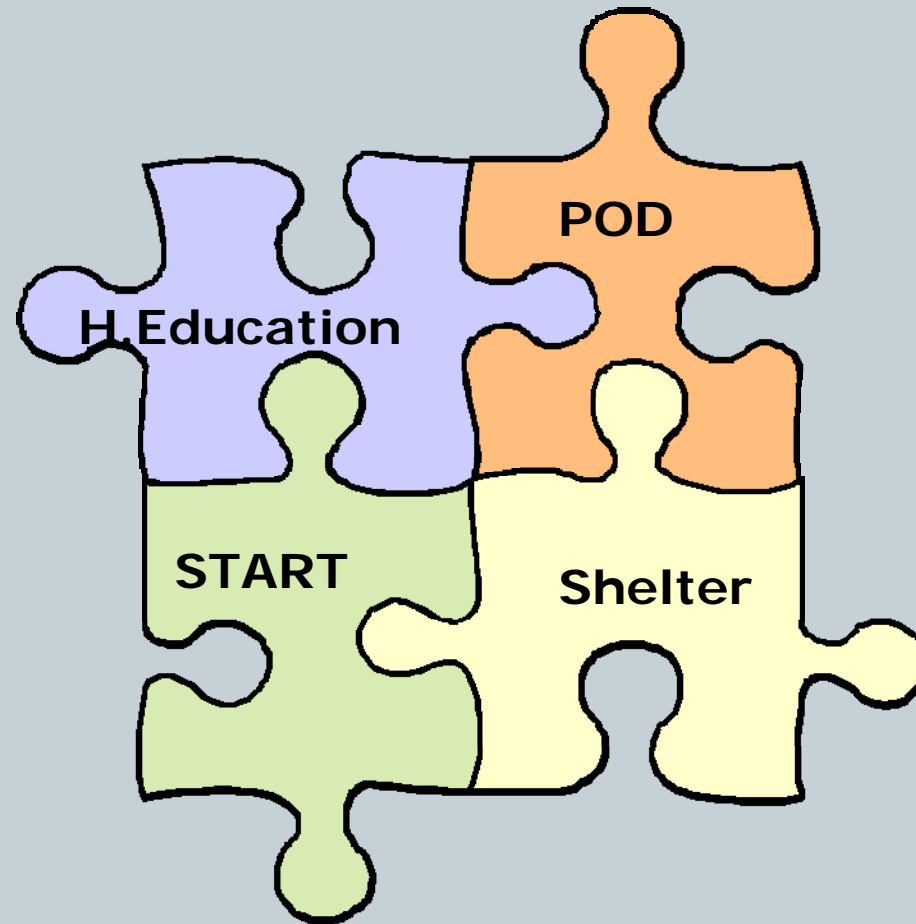


BIOLOGICAL
AGENT



CHEMICAL
AGENT

Conclusion



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Figures:

Pictures retrieved from Google images and sources above.

School nurses keeping children safe.



THANK YOU

