Prehospital Injury Prevention

นพวีรศักดิ์ พงพุทธา

EP KKH

Goal of Injury Prevention

To change in knowledge, attitude, and behavior of the society and EMTs

Strategies of Injury Prevention

- 1 Passive strategies, example
 - Air bag
 - Sprinkler systems
 - Vehicle structure
- 2 Active strategies
 - Manual seat belt
 - Helmet
 - Baby Car seat

Strategies Implementation

The 3 E's of injury prevention

- 1 Education
- 2 Enforcement legal requirement :
- Apply the seat belt , helmet , baby car seat
- Speed limit prohibition, Drunk-driving law, assault law
- Vehicle safety standard, swimming pool standard, highway standard
- etc.
- 3 Engineering: The most effective for Injury Prevention
 - Automatic sprinkler system in buildings
 - Floatation hulls in the boat
 - Backup alarms on ambulances
 - etc.

Public Health Approach

Single person or single agency can not provide a public safety prevention. EMS must join the other agency to provide Injury Prevention to achieve the success.

- 4 steps process of Public Health Approached
 - 1 Surveillance
 - 2 Risk factor identification
 - 3 Intervention evaluate
 - 4 Implementation

Surveillance for Risk Identification

Surveillance is the process of collecting data within communication for discovered the injury effect on the community

- Mortality data
- Hospital admission and discharge statistic
- Medical records
- Trauma registries
- Police report
- EMS run sheets
- Insurance report

Unique surveillance data collected to study the risk

Intervention evaluate for Implementation

The final step in public health approach is Implementation the Intervention goal -

- Chang the skill, attitude, and judgement
- Change the behavior
- the changes lead to favorable outcome

Role of EMS in Injury Prevention

- 1 One-on-One interventionUse the role model to change behavior
- 2 Community-Wide interventions
 - Teaching by Emergency Physician or Nurse
 - Use the injury data to provide injury prevention in EMS person
- 3 Injury Prevention for EMS Providers
 - Well trained or experience level
 - Limit degree of fatigue, Adequate sleep
 - Trained to operated vehicle safely
 - In-house injury prevention program implementation
 - Violence safety program implementation
 - Prevention of occupational injury program implementation
- etc.

Prehospital Infection Control

นพ วีรศักดิ์ พงพุทธา

EP KKH

Attempt to limit spread the infectious disease refers to the infection control measure

- 1 Personal safety
 - Risk management
 - Risk profile
- 2 Patients safety
 - Infectious is a two-way street
- 3 Family safety
 - Carrier can be a cause of infection spread

transmission Disease

- 1 Contact transmission
- 2 Airborne transmission
- 3 Ambulance transmission
- 4 Vector Transmission

Common organism and Infection

Organism and Illness	Sign and Symptom	Mode of Transmission
Adenovirus (Common cold)	Runny nose, cough, sore throat, congestion	Contact with droplet
Varicella virus (Chicken pox)	Fever, pain full rash	Contact with open lesion , air borne
Mycobacterium Tuberculosis	Cough, fever, fatigue, weight loss	Air borne
Hepatitis virus type A	Fever, nausea, vomiting, yellow skin	Contaminated food and water
Hepatitis virus type B,C,D	Fever, nausea, vomiting, yellow skin Abdominal pain	Contact with blood or other body fluid
HIV	Multiple infection ,fever ,weight loss	Contact with blood or other body fluid
Neisseria Meningitidis	Fever ,rash, headache , stiff neck	Air borne respiratory infection
Influenza virus	Cough , fever , myalgia, vomiting, diarrhea	Air borne

Clinical Syndrome	Potential Pathogen	Empiric Precaution
Adult with Diarrhea	Clostridium Difficile	Contact
Fever and altered mental status	Neisseria Meningitidis	Droplet
Generalized rash of unknown etiology	Neisseria Meningitidis Varicella Rubeola (measles)	Droplet, Airborne (N-95 mask) and Contact
Cough, fever and hemoptysis	Mycobacterium Tuberculosis	Airborne (N-95 mask)
Cough, fever in an HIV patient	Mycobacterium Tuberculosis	Airborne (N-95 mask)
Skin abscess or draining wound	Staphylococcus Aureus	Contact
History of drug-resistant infection	MRSA, Vancomycin Resistant Enterococcus	Contact

Defense against of infection

- 1 Skin
- 2 Mucous membrane
- 3 Immunization

But not all disease have immunization available *also we have to use*

- 4 Standard precaution
- 5 Hand hygiene
- 6 Personal Protective Equipment

Standard precaution

The guideline require for EMT personal to protect against the transmission of disease included -

- Protocol
- check list
- SOP
- Equipments provided

Universal/Standard Precautions

For Infection Control

Hand Hygiene Personnel Protective

Equipments Safe Handling and Disposal of Sharps Follow needle stick

injury protocol
Safe Handling and
Disposal of Wastes
Managing Blood and
Body Fluids
Disinfection of the 6.

Equipments

Environmental Disinfection

Immunization

Isolation



To prevent the spread of infection, ANYONE ENTERING THIS ROOM MUST

Para prevenir el esparcimiento de infecciones, TODAS LAS PERSONAS QUE ENTREN EN ESTA HABITACION TIENEN QUE:



Hand Hygiene Higiene De Las Manos





Surgical Mask Mascara Quirurgica





Gloves Guantes





Gown Bata



N-95 Respirators should not be used for personal protection for patients on droplet precautions.

Isolation shall not be discontinued without the <u>notification</u> of Infection Prevention & Control.

Los Respiradores N-95 no se deben utilizar para la proteccion personal de pacientes con precausiones contra praticulas o gotitas.

La insolacion no debe de ser descontinuada sin antes notificar a Prevencion y Control de Infecciones.



Standard Precaution for infection Control

Items	Details
Wash hands	-Before and after touch the patients or after every tine that touch the body fluid - Immediately after remove the glove
Wear gloves	 Just before touching the body fluid, mucous membrane or nonintact skin Change glove after contact the procedure that high concentrate of organism and before other procedure Change glove after contact with high concentrate of organism environment
Wear mask and Eye protection or Face shield	- Protect the face and eye from splashes or spray of body fluid
Wear Gown	- Protect skin from splashes or spray of body fluid or high concentrate organism environment
Patient care Equipments	Appropriated cleaned before and after reprocess
Linen	Appropriate disposing the material in waste bag or

Hand hygiene

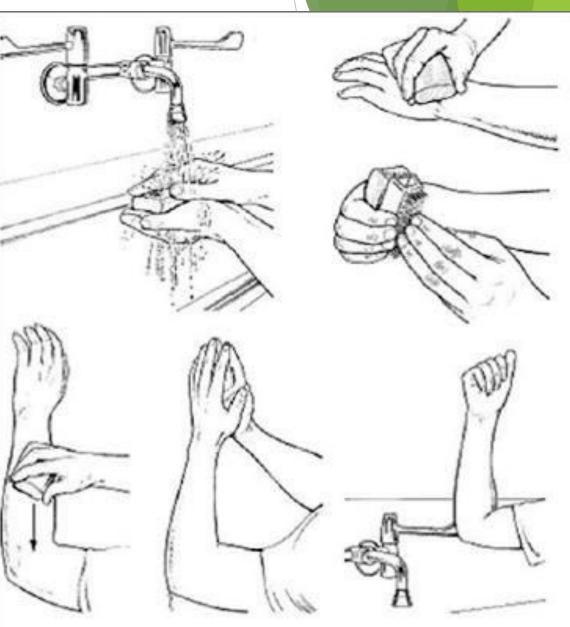
- Unwashed hand contributed to food borne illness trans

```
mission; Salmonella, E. coli
```

- The type of soap not importance to washing technique
- Scrub: hand washing technique by vigorous scrubbing in the running water with soap for 20 seconds

Hand washing steps





Personal Protective Equipment: PPE

The first rule: treat all body fluid as if there are potentially infectious

The EMTs use dispatch information and time before arriving the scene to don the PPE upon arrival

PPE: Barrier devices

- **▶** Gloves
- Goggles
- Masks
- Pocket mask
- **▶** Gowns
- Etc?

Levels of PPE



Los Alamos National Laboratory 912/2017 | 1

Level A Level A protection must be used when the highest level of skin, eye, and respiratory protection is required based on measured levels or potential for high concentrations of atmospheres, vapors, gases or particulates, or when a high potential for skin contact with harmful materials exists.

HERITAGE







OSHA Levels for Hazardous Waste Operations and Emergency Response PPE

To protect:	Level D	Level C	Level B	Level A
Skin (dermal)	Inner Barrier: Street clothes Outer barrier: Coveralls, scrubs or other protection	Inner Ba Environmental tempe Street clothes/scrubs to Outer ba Hooded chemical-re	rature dependent insulated coveralls	Inner Barrier: Totally-encapsulating chemical-protective suit Outer barrier: Disposable protective suit (if warranted)
Skin - specifically hands	Disposable gloves	Chemical-resistant outer gl		Chemical-resistant outer gloves over encapsulating suit
Respiratory		Air purifying respirator (APR) • Full-mask for unknown hazards & zoonoses • Half-mask for non-zoonotic	Self-contained breathing apparatus (SCBA)	
Eyes		See above	SCBA	
Footwear		oes appropriate orm duties	Chemical-resistant steel toe boots	Chemical-resistant steel toe boots over encapsulating suit

Known hazard
No risk of skin contamination
No risk of inhalation
No risk of hazardous material contact

Unknown hazard Skin contamination imminent Respiratory exposure imminent Eye exposure imminent

Infection Control Preparation

- 1 Response to a call
- 2 On the scene
- 3 Transport infection control
- 4 After the call
- 5 Documentation
- 6 Clean up

Infection Control Preparation

- 1 Response to a call
- Use pre arrival instruction from CCC to prepare PPE

Common Chief Concern and PPE

Chief Concern	Gloves	Mask	Eyewear	Gown
Fever	Yes	Yes		
Rash	Yes	Yes		
Seizure	Yes	Yes		
Coughing	Yes	Yes	Yes	
Bleeding wound	Yes	Yes (if spurting)	Yes (if spurting)	Yes (if spurting)
Neck stiffness	Yes	Yes		
Vomiting	yes	yes	yes	

Infection Control Preparation

2 On the scene

- During Procedure
- Disposal of waste

During Procedure

- Discover the sign of disease during patients assessment for example; rash, coughing, salivation, bleeding, fever, etc.
- Then take appropriate PPE and standard precaution for the procedures

Common Sign/Symptom and PPE

Chief Concern	Gloves	Mask	Eyewear	Gown
Fever	Yes	Yes		
Rash	Yes	Yes		
Seizure	Yes	Yes		
Coughing	Yes	Yes	Yes	
Bleeding wound	Yes	Yes (if spurting)	Yes (if spurting)	Yes (if spurting)
Neck stiffness	Yes	Yes		
Vomiting	yes	yes	yes	

Common Procedure and PPE

Procedure	Gloves	Mask	Eyewear	Gown
Taking pulse rate	Yes			
Measuring blood pressure	Yes			
Control bleeding (Minimal visible blood)	Yes			
Giving an injection	Yes			
Insert oropharyngeal or Nasopharyngeal airway	Yes	Yes	Yes	
Suctioning	Yes	Yes	Yes	
Intubation	Yes	Yes	Yes	
Arterial bleeding control	Yes	Yes	Yes	Yes
Assisting childbirth	Yes	Yes	Yes	Yes
Disinfecting equipments	yes	yes	Yes	yes

Appropriate Disposal the waste

Appropriate disposat the waste				
Item	Regular waste (white bag)	Biohazard waste(red bag)	Sharp container (plastic box)	
Airway equipment	yes			
Tissues		Yes		
Nasal cannula	Yes			
Oxygen mask	Yes			
Bag-valve mask	Yes			
Plastic wrap	Yes			
Glove	Yes(if no blood)			
Paper gown	Yes			
Filled emesis basin		Yes		
Bloody dressing		Yes		
Vaginal pad		Yes		
Absorbent pads		Yes		
Soiled adult undergarment		Yes		
IV needles			Yes	
Injection needles			Yes	

Infection Control Preparation

3 Transport infection control

- Use appropriate Standard precaution and PPE for the transported patients
- Optimized vehicle's ventilation for increase volume of air exchange during transport

PATIENT ISOLATION GUIDE FOR EMS TRANSPORT

Actions to Take	Contact Precautions	Droplet Precautions	Airborne Precautions
All persons Entering Room (healthcare workers and parents/visitors)	Hand Hygiene Gown Gloves	Hand Hygiene Mask	Hand Hygiene N95 respirator
Patient In preparation for transport and during transport	CLEAN patient gown Clean sheet (not the sheet off the bed)	CLEAN patient gown Clean sheet (not the sheet off the bed) Mask (cover patient's nose/mouth with sheet if unable to wear a mask; can be removed in the ambulance)	CLEAN patient gown Clean sheet (not the sheet off the bed) Mask (procedural mask, not N95, or cover patient's nose/mouth with sheet if unable to wear a mask; can be removed in the ambulance)
Healthcare Worker During transport	Hand Hygiene Use Gloves for patient contact	Hand Hygiene Wear Mask if patient unmasked	Hand Hygiene Wear appropriate mask or respirator if patient unmasked
Family	Ask to wash or gel hands; no need to wear any equipment		
All persons Entering Room at Destination (healthcare workers and parents/visitors)	Hand Hygiene Gown Gloves	Hand Hygiene Mask	Hand Hygiene N95 respirator

- > Contact Isolation for C.difficile or Norovirus =Infection Prevention and Control staff will assist with directions
- > Droplet Isolation for Pertussis = Infection Prevention and Control staff will assist with directions
- > Airborne Isolation and Airborne/Contact Isolation = Infection Prevention and Control staff will assist with directions
- Call Infection Prevention and Control with any questions.

Special situation during transport

- 1 Resistant Infection Disease
- Multidrug-resistant organism
- Transmission through direct person-to-person
- always use standard infection procedure (Body substance isolation)
- 2 Pandemic Precaution
- For example Avian flu , SAR , Influenza , etc .
- Require transport to health care facility (Depended local protocol)

PPE for Influenza patients transport

Item	Influenza -Like illness <u>with</u> Patient Screening	Suspected Influenza without Patient Screening
PPE for the Patient	1 Symptomatic: Place a surgical mask to all patients (if tolerated) with container of droplet expel during cough 2 Asymptomatic: Cover the patients mouth and nose by tissue or mask when coughing	Consider use of surgical mask during transport (if pandemic Influenza)
PPE for EMTs	EMTs should use respirators mask (N-95 or better) use surgical mask if not available	EMTs should use respirator mask ZN-95 or better) use surgical mask if not available

Infection Control Preparation

4 After the call

- Remove any contaminated clothes and Place to proper bin for laundary
 - wash the hand
 - put on a clean change of clothes
 - Wash the hand

Infection Control Preparation

5 Documentation

- A critical part of EMTs
- Record and report the patients condition (chief concern, sign and symptom), the cared procedure, number and name of caring EMTs

Infection Prevention & Control Transport Tool

Patient Name (please print):	Date:
ISOLATIO	ON PRECAUTIONS
☐ Contact (gown/glove)	☐ Airborne (N95 Mask)
□ Droplet (Procedure mask)	□ No Isolation Precautions

Infection Prevention & Control Transport Tool

Patient Name (please print):	Date:
ISOLATION PE	RECAUTIONS
☐ Contact (gown/glove)	☐ Airborne (N95 Mask)
☐ Droplet (Procedure mask)	□ No Isolation Precautions

Infection Prevention & Control Transport Tool

Patient Name (please print):	Date:			
ISOLATION PRECAUTIONS				
☐ Contact (gown/glove)	☐ Airborne (N95 Mask)			
☐ Droplet (Procedure mask)	□ No Isolation Precautions			

Infection Control Preparation

6 Clean up

- Emergency Equipment Cleanup
- Cleaning areas
- Cleaning the ambulance

Equipments cleanup

- Depended on intended use of equipments
- Cathegorize as a Low, Intermediate, high risk for decontamination
 - 1) Low level: Running water disinfection
- 2) Intermediate level: Bleach-and-water solution
 - 3) High level: Sterilization by Autoclave

Decontamination Equipments

Item	Low	Intermediate	High
Stretcher		1	
Linen	/	1	
Surface	1		
Benches	1		
Stethoscope		1	
Blood pressure cuff		/	
Splints		1	
Cervical collars		/	
Back boards		1	
Intubation Equipments			/

Cleaning Area

All ED and EMS area are the 'Special room 'that dangerous to contamination (both infection or Chemical)

Area decontamination item -

- Well light and ventilated
- Regular decontaminated portable equipments
- Regular disinfection of floor, bedpans, backboards, sinks, bowl, bin, etc.

Abulance cleanupm

After remove contaminated equipments and waste, clean the vehicle

The rule for cleaning an ambulance are the same as cleaning equipments

- 1) No blood or body fluid
- Cleaning by hospital disinfectant and dry up
- 2) Blood or other Biohazard visible
- Soak up by absorbant towel, and proper disposed
- Scrub the surface by soap and water and follow by decontaminate with disinfectants such as bleach-water solution
- Air out the vehicle until dried

CHECKLIST FOR THE CLEANING AND DISINFECTION OF AN AMBULANCE

	Cleaning Following Each Patient Transport
Completed	Action
	Place potential infected medical waste in a clearly marked biohazard waste receptacle or bag per OSHA standards.
	Carefully dispose of sharps into a sharps container.
	Clean and disinfect all equipment used during the patient encounter following your agency's policies (See Appendix B – Cleaning Standards for Ambulance Equipment).
	Clean and disinfect the cab and patient compartment, as required.
	Restock vehicle as required.
	If the vehicle is heavily contaminated, it should be taken out of service and cleaned following your agency's policies.
	Routine Scheduled Cleaning
Completed	Action – Patient Compartment
	Remove all equipment and sweep out the compartment; clean and disinfect.
	Remove stretchers; clean and disinfect all components including mattress and belts.
	Remove wall suction; clean and disinfect.
	Remove the contents of cabinets and shelves; clean and disinfect all surfaces.
	Clean, disinfect, and dry all hard surface items before returning them to the cabinet or shelf; inspect for damage and expiration dates; repair/replace as needed.
	Sweep, vacuum, clean, and disinfect floor.
	Clean and disinfect all chairs, bench seats, and seat belts.
	Clean and disinfect all interior surfaces, including ceiling and walls.
	Empty, clean, and disinfect weste containers.
	Clean interior windows.
Completed	Action - Driver's Compartment
	Remove all equipment from the front of the vehicle.
	Clean and vacuum floor.
	Clean and disinfect all interior surfaces, including walls, doors, radio equipment, windows, and the dashboard.

CLEANING STANDARDS FOR AMBULANCE EQUIPMENT

According to OSHA standards, every EMS agency is required to have an exposure control plan for their EMS providers. This plan must clearly state how the EMS vehicle and each piece of equipment is to be cleaned, including the brand name of the cleaning products to be used, and how often it is to be cleaned (McCallion, 2012).

Vehicle Equipment – Patient Contact				
Equipment	Standard	Cleaning Frequency	Additional Considerations	
Stretchers	All parts should be visibly clean with no blood, body substances, dust, dirt, debris, or spillages	After every patient use		
Spinal Boards/ Head Blocks	All parts should be visibly clean with no blood, body substances, dust, dirt, debris, or spillages	After every patient use		
Transport Chair and Other Manual Transfer Equipment	All parts should be visibly clean with no blood, body substances, dust, dirt, debris, or spillages	After every patient use		
All Reusable Medical Equipment (e.g., cardiac monitor, defibrillator,	All parts should be visibly clean with no blood, body substances, dust, dirt, debris, or spillages	After every patient use		
Stretcher Mattresses	Should be visibly dean with no blood, body substances, dust, dirt, debris, or spillages	After every patient use		
Pillows	Should be visibly dean with no blood, body substances, dust, dirt, debris, or spillages	After every patient use		
Linerta	Should be visibly dean with no blood, body substances, dust, dirt, debris, or spillages	After every patient use		
Passenger Seat - Upholatered	All parts, including seafbelts and the underneath, should be visibly clean with no blood, body substances, dust, dirt, stains, or spillages	After every use	Replace seatbelts if heavily contaminated with blood or body fluids. Tom or damaged seat covers should be replaced. Vacuum and/or shampoo if necessary.	

Vehicle Equipment – Non-Patient Contact				
Equipment	Standard	Cleaning Frequency	Additional Considerations	
Response Kits and Bags	All surfaces, including the underside, should be visibly clean with no blood, body substances, dust or dirt	Bags regularly taken into patient care areas must be wiped clean after every use, with special attention given if contaminated with blood or body fluid Heavily used bags should be laundered weekly or monthly Lesser used bags should be cleaned every other month	All bags placed on ambulances should be made of wipeable material Any bag heavily contaminated with blood or body fluids should be disposed	
Hand Sets (e.g., radios and mobile phones)	All parts should be visibly clean with no blood, body substances, dust, dirt, debris, or spillages	Daily and when contaminated		
Sharps Container	The external surfaces should be visibly clean with no blood, body substances, dust, dirt, debris, or spillages	Weekly or when contaminated		

Vehicle – Internal and External Fixed Features				
Equipment	Standard	Cleaning Frequency	Additional Considerations	
Overall Appearance - Exterior	The vehicle exterior should be clean at all times. Any presence of blood or body substances is unacceptable	Routine cleaning should be performed weekly, or as necessary due to weather conditions	If operational pressures prevent thorough cleaning of the exterior, the minimum cleaning standards to comply with health and safety laws should be met (i.e. windows, lights, reflectors, mirrors, and license plates)	
Overall Appearance - Interior	The area should be tidy, ordered, and uncluttered, with well-maintained furniture appropriate for the area being used Any presence of blood or body substances is unacceptable	Clean between patients, daily, and deep-clean weekly	Clean all surfaces in contact with the patient and that may have been contaminated Crews should routinely clean the vehicle floor Remove all detachable equipment and consumables	
Ceiling	All surfaces should be visibly clean with no blood, body substances, dust, dirt, debris, or spillages	Weekly	If contaminated, clean as soon as possible	
Cabinets, Drawers, and Shelves	All parts, including the interior, should be visibly clean with no blood, body substances, dust, dirt, debris, or spillages	Weekly	If contaminated, clean as soon as possible	
Product Dispensers	All parts of the dispenser, including the underside, should be visibly clean with no blood, body substances, dust, dirt, debris, or spillages	Daily or as soon as possible, if contaminated	Liquid dispenser nozzles should be free of product build-up, and the surrounding areas should be free from splashes of the product	
Electrical Switches, Sockets, and Thermostats	All surfaces, including the undersides, should be visibly clean with no blood, body substances, dust, dirt, or adhesive tape	Weekly or as soon as possible, if contaminated		
Equipment Brackets	All parts of the bracket, including the undersides, should be visibly clean with no blood, body substances, dust, or dirt	Weekly or as soon as possible, if contaminated		

cluding the		
buld be visibly clean body substances,	Weekly or as soon as possible, if contaminated	
r, including all edges, nain floor spaces, oly clean with no lbstances, dust, dirt, or spillages	Daily and when heavily soiled or contaminated with blood and/or body fluids.	
icluding the lould be visibly blood, body ust, dirt, or debris	Weekly or as soon as possible, if contaminated	
rail, including the ould be visibly clean body substances, is, or spillages	Clean rails that have been touched after every patient Clean all rails weekly	
art of the grill should n with no blood, body ust, dirt, or debris	Weekly or as soon as possible, if contaminated	
e should be visibly blood, body ust, dirt, adhesive jes	Weekly or as soon as possible, if contaminated	
red surfaces should n and smear free with r substances, dust, adhesive tape n appearance should	Weekly or as soon as possible, if contaminated	
nould be visibly clean body substances, as, or spillages	After every patient	
eptacle, including the visibly clean and h no blood, body ust, dirt, stains, or	Daily or as soon as possible, if contaminated	
	r, including all edges, nain floor spaces, by clean with no obstances, dust, dirt, or spillages cluding the bould be visibly clean body substances, as, or spillages art of the grill should he wisibly clean body substances, is, or spillages art of the grill should he with no blood, body ust, dirt, or debris art of the grill should he with no blood, body ust, dirt, or debris are should he wisibly clean body substances, dust, and smear free with	weekly or as soon as possible, if contaminated Daily and when heavily soiled or contaminated with blood and/or body fluids. Daily and when heavily soiled or contaminated with blood and/or body fluids. Weekly or as soon as possible, if contaminated with blood and/or body fluids. Weekly or as soon as possible, if contaminated with blood and/or body fluids. Clean rails that have been touched after every patient Clean all rails weekly Weekly or as soon as possible, if contaminated Clean rails that have been touched after every patient Clean all rails weekly Weekly or as soon as possible, if contaminated After every patient Daily or as soon as possible, if contaminated

*In addition to "routine" cleaning, items cleaned if visibly soiled or used for patient on expanded precautions.

Unless otherwise noted, use these disinfectants: Super Sani clothes (general use) or TB-Cide Quat (blood spill).

Contaminated equipment shall be stored only in the decontamination area.

Between Each Patient*	* Daily	Daily		Weekly	
0 0 0	BP Cuff		Monday		
Cot	BP Machine, portable		Bath in Bag warmer & cart		
Chart	Glucose Monitors - SureStepFlet		Nurse Server Cart, inside		
Clipboards, patient care		(clean outside with alcohol wipe, clean strip guide with warm water only)		1.	
Doppler					
EKG Cables	Thermometers		Computer Screen (dust only)		
EKG Monitor					
EKG Machine & wires					
IV Poles			Wednesday	100	
Lead Wires	Telephones		Coffee Maker (soap/water)		
Pulse Oximeter & cable	Desk Countertop		Microwave (soap/water), staff		
Stethoscopes, bandage scissor, hemostats, each staff member			Refrigerator (soap/water), staff		
Wheelchair (wipe seat & arms)	Back and front of squad??		Thursday	PH H	
Squad seats, floor, doors, etc.					
			Clipboards, unit		
	*Initials signify completion		*Initials signify completion		
	Department Specific*	DEL SE	Department Specific*	-	
Assigned To Init	ials Assigned To	Initials	Assigned To In	itials	
7-3	7-3		7-3		
3-11	3-11		3-11		
11-7	11-7		11-7		

*For any new equipment, please forward information to Infection Control for cleaning schedule recommendations and then add to Unit Specific list above.

** Oversight and delegation of these items will be the responsibility of the Charge Nurse.

Legal Obligations

- 1 Safety Officer
- 2 Reporting Exposure
- 3 Disease Surveillance and Notification

Hope you be a smart EP Thank you for your attention and Hope you develop Thailand EMS