

# **FORCE HEALTH PROTECTION**



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# OVERVIEW

- **WHO WE ARE**
  - USAFE Environmental Team
  - Air Force Medics - “Team Aerospace”
- **WHAT WE DO**
  - Force Health Protection (FHP)
  - Human Weapon System
  - FHP and Environmental Security
- **SUMMARY & QUESTIONS**



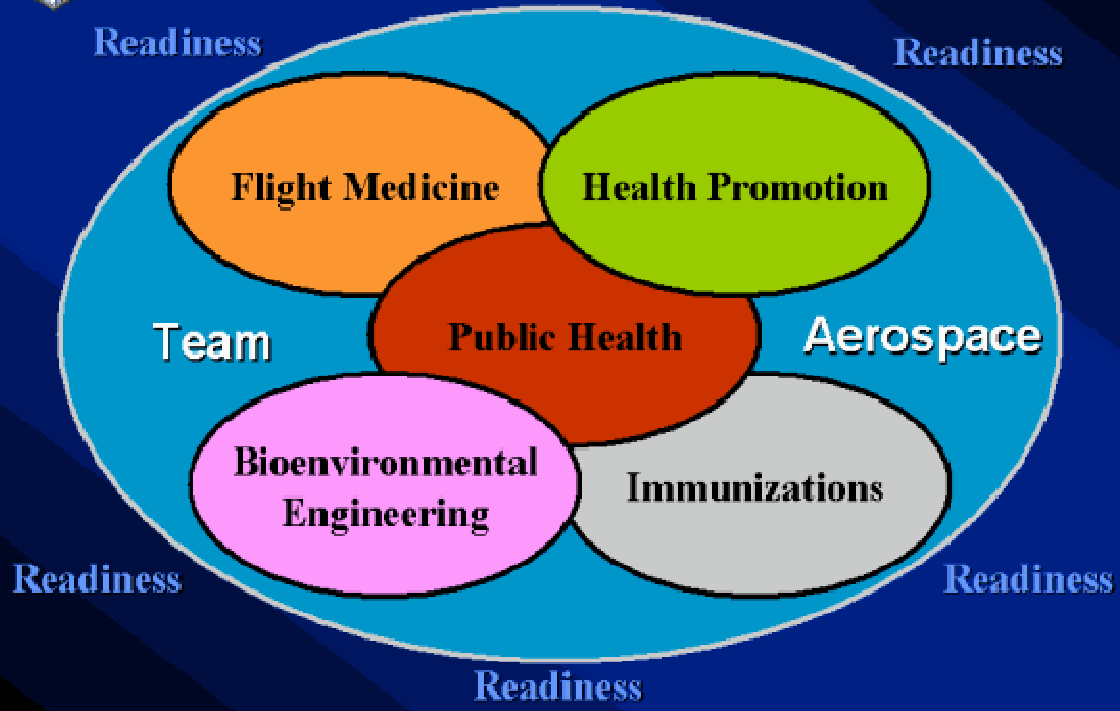
# WHO WE ARE USAFE "Environmental Team"



**Environmental Security**



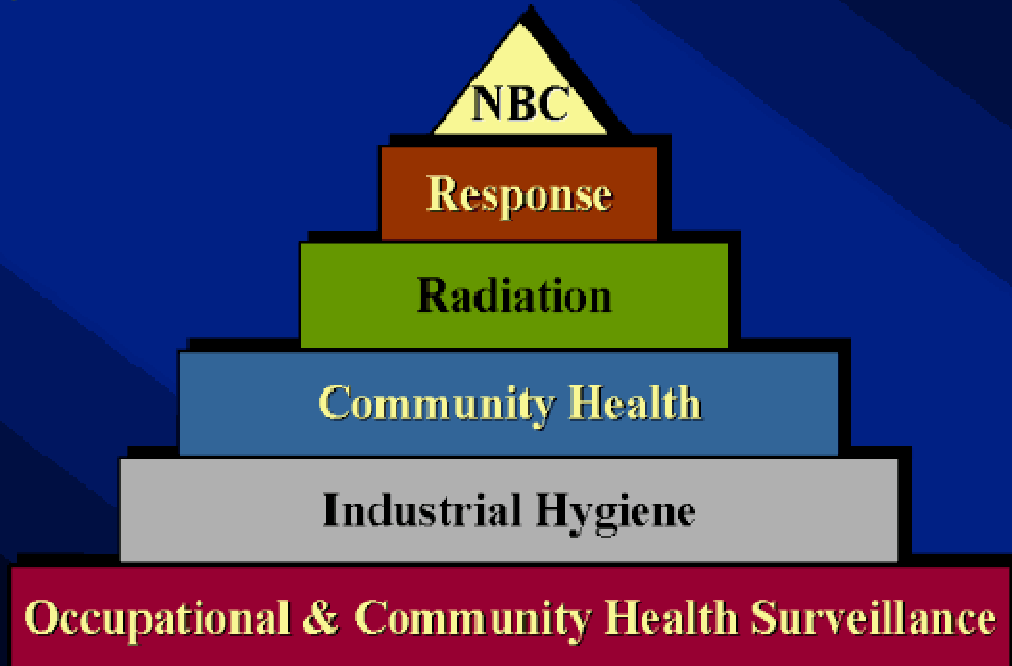
# WHO WE ARE USAFE "Team Aerospace"





# WHO WE ARE

## Bioenvironmental Engineering





# WHO WE ARE

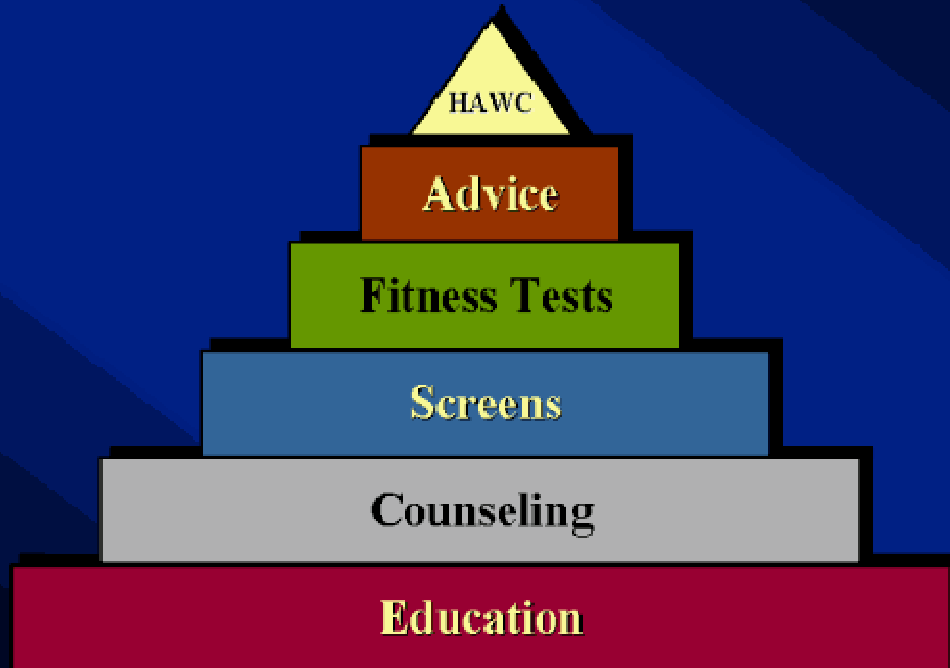
## Public Health





# WHO WE ARE

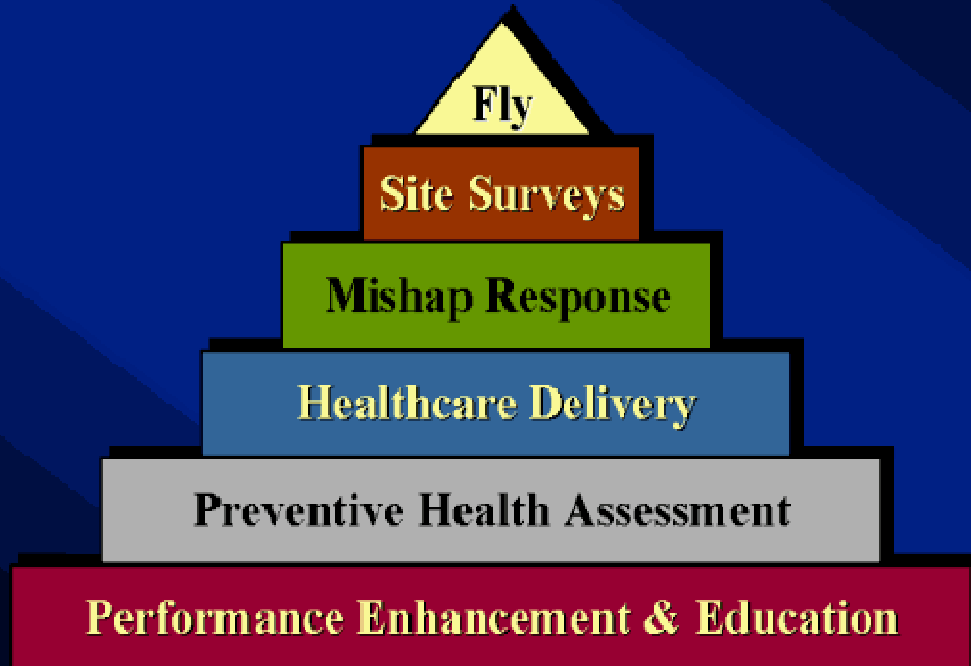
## Health Promotion





# WHO WE ARE

## Flight Medicine

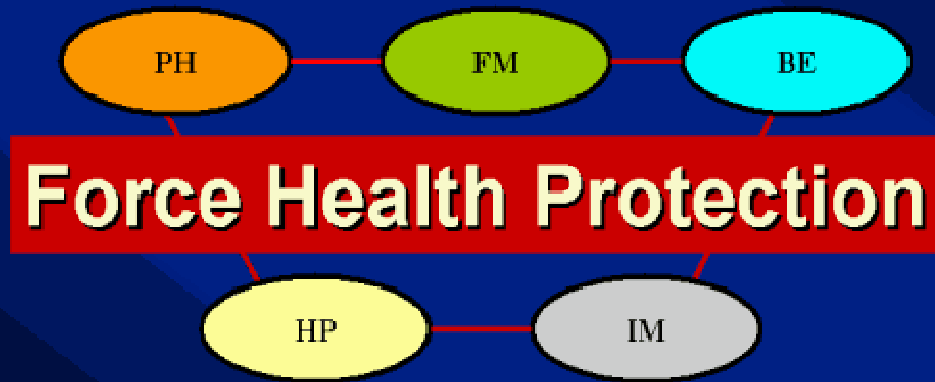






# WHAT WE DO USAFE Team Aerospace

SUPPORT COMMANDERS: "Job 1"



CARE, FEEDING & PROTECTION OF PEOPLE



# WHY WE DO WHAT WE DO

## Force Health Protection Drivers

Persian Gulf  
Illness

Khobar  
Towers

Oklahoma  
City

Tokyo  
Subway

Asymmetric  
Threat

WMD

Public  
Expectation

“People  
First”

READINESS

SURVIVABILITY

SUCCESS



# WHY WE DO WHAT WE DO

## Environmental Security Specifics

Depleted Uranium

Oil Well Fires

Pesticides

Chemical Agents

Industrial Materials

Drinking Water

Food Supply

Physical Hazards

AIR

WATER

SOIL



## **FORCE HEALTH PROTECTION** **Definition**

**“Optimizing health readiness and protecting Service members from all health and environmental hazards associated with military service.”**

**- Chairman, Joint Chiefs of Staff**

**Body**

**Environment**

**Mind**

**P R E V E N T I O N**

**PROTECTING THE HUMAN WEAPON SYSTEM**



## The HUMAN WEAPON SYSTEM



**PEOPLE... THEY MAKE AIR POWER HAPPEN!**



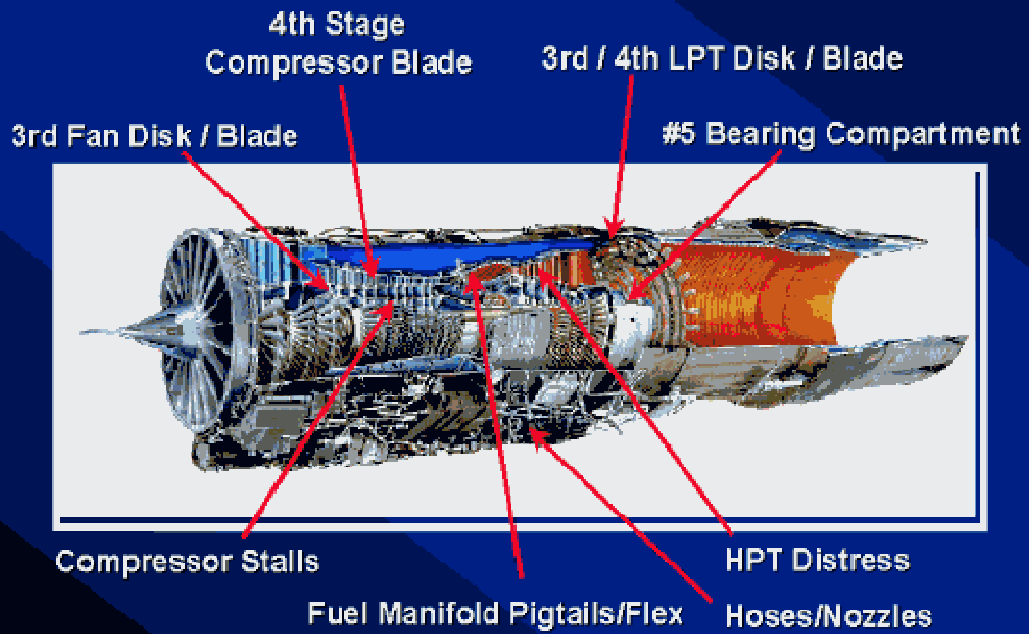
# HUMAN WEAPON SYSTEM Life Cycle Vision





# HUMAN WEAPON SYSTEM

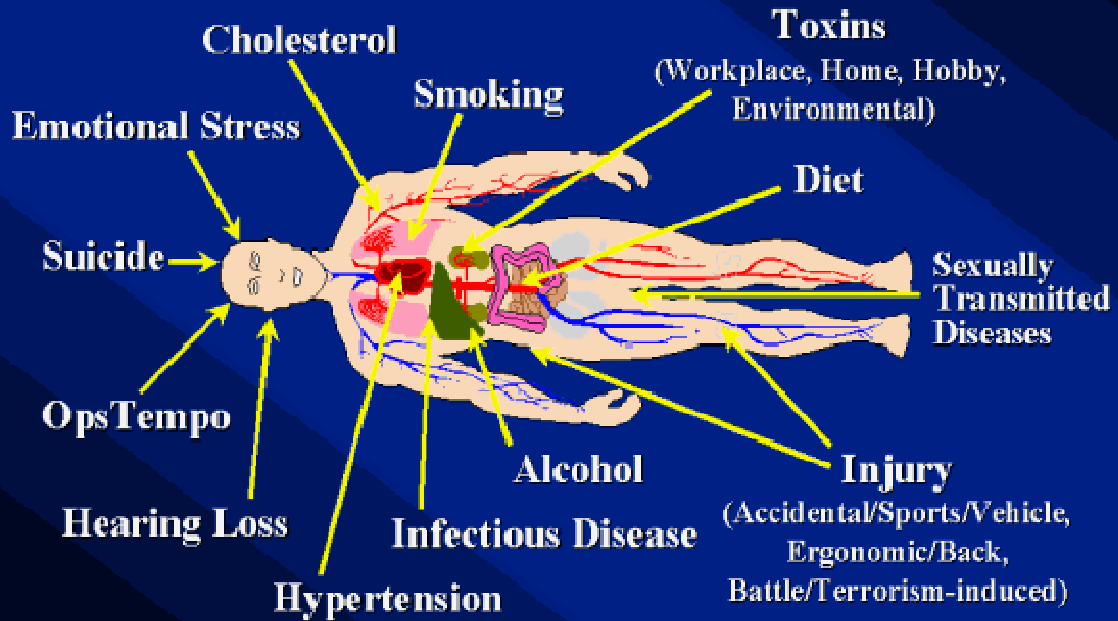
## F100 Engine Performance Threats





# HUMAN WEAPON SYSTEM

## Performance Threats



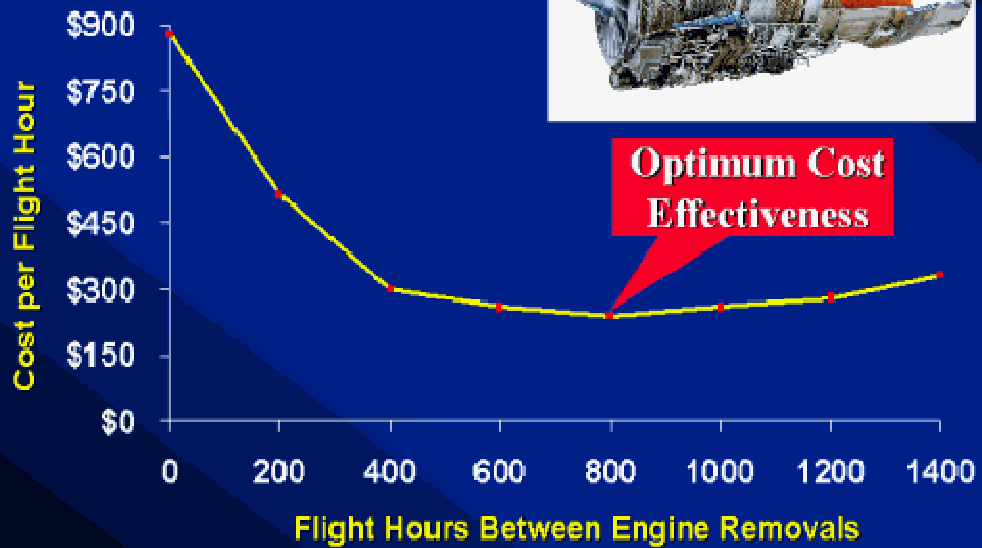
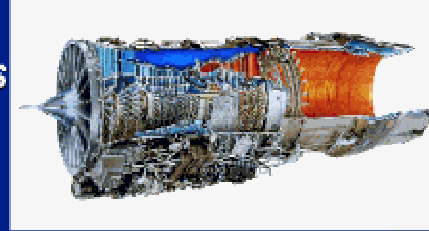




# HUMAN WEAPON SYSTEM

## F-100 Preventive Maintenance Frequency

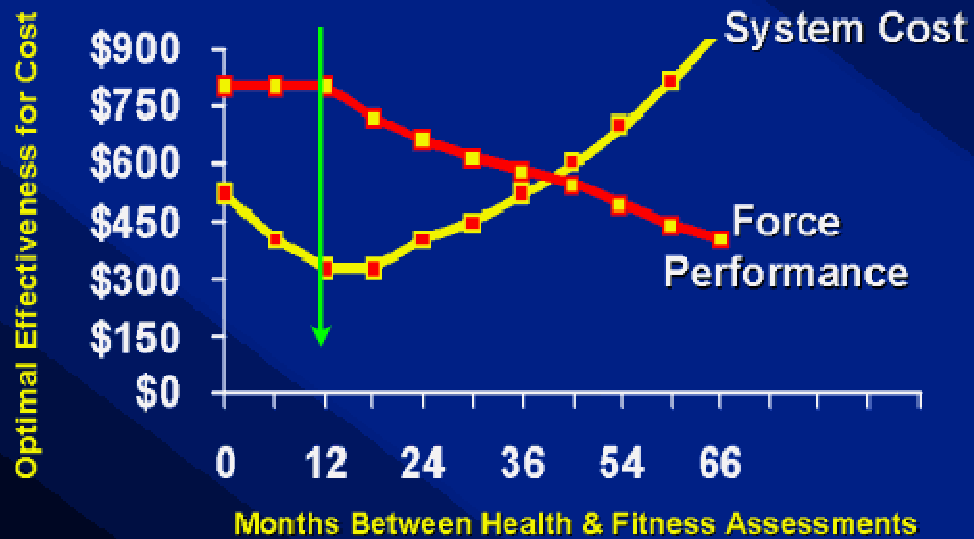
*Projected Operational Cost vs  
Time Between Engine Removals*





# HUMAN WEAPON SYSTEM Preventive Maintenance Frequency

Projected Costs and Effectiveness for Intervals  
Between Preventive Assessment of Health & Fitness

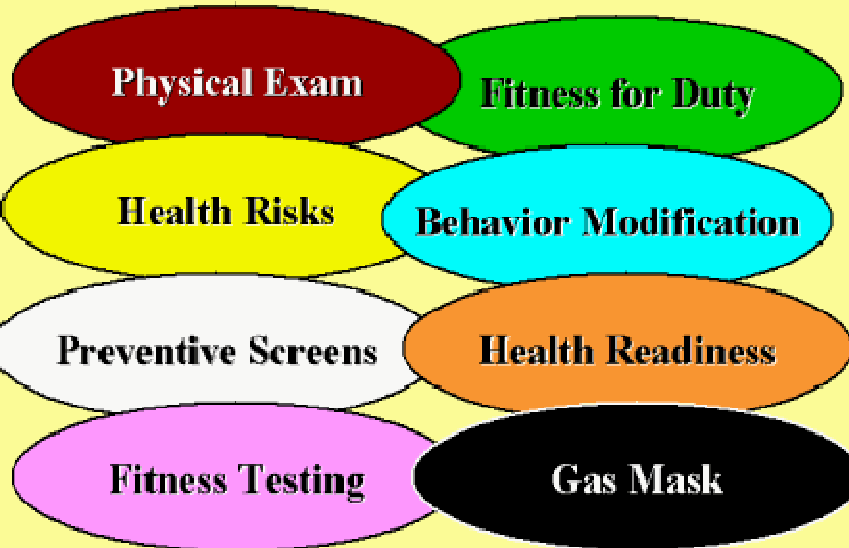




# WHAT WE DO

## Preventive Health Assessment (PHA)

Annual Assessment of Every ADAF Member

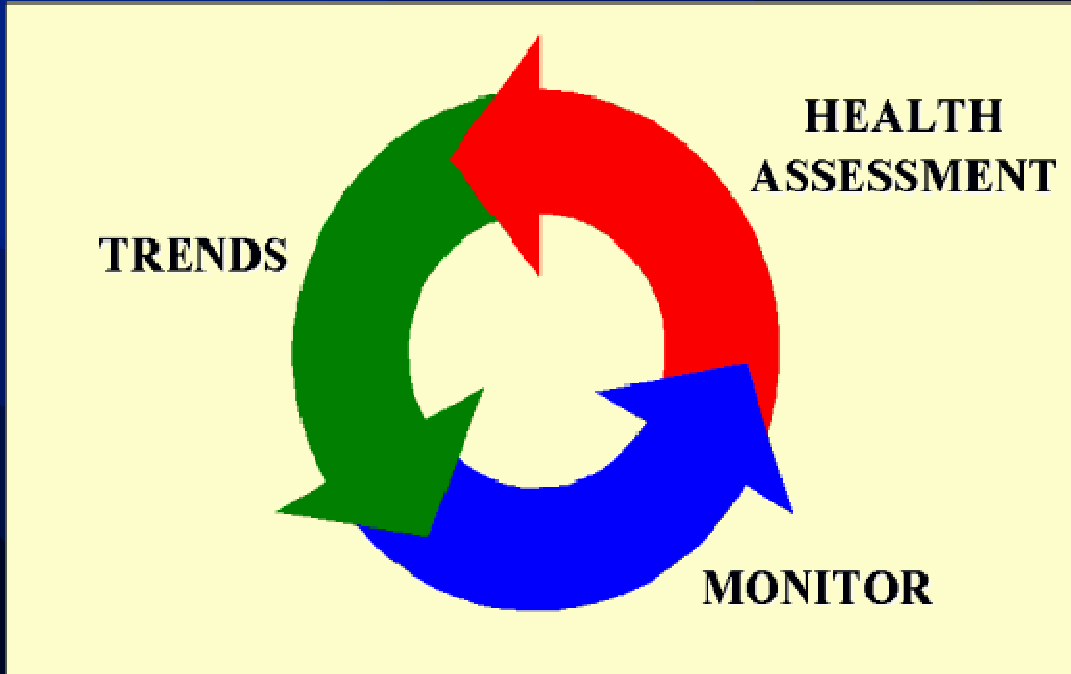


PHA



# WHAT WE DO

## Tying It All Together





# WHAT WE DO

## Protecting People & Environment

### Pre-deployment

VA/  
Site Survey

Env'l  
Assessment

Medical  
Intelligence

Current  
PHA

Personal  
Protection

### Deployment

Site Selection

Food-Water  
Safety

Sanitation  
& Hygiene

ESOH  
Evaluations

DNBI  
Surveillance

### Post-Deployment

Health  
Assessment

Medical  
Debrief

Medical  
Follow-up

ESOH  
Evaluations

After-Action



# WHAT WE DO

## Protecting People & Environment

### Pre-deployment

**Operational  
Procedures**

**Education**

**Documentation**

### Deployment

**Operational  
Procedures**

**Education**

**Documentation**

### Post-Deployment

**Operational  
Procedures**

**Education**

**Documentation**



## SUMMARY

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# **FORCE HEALTH PROTECTION**



**QUESTIONS?**

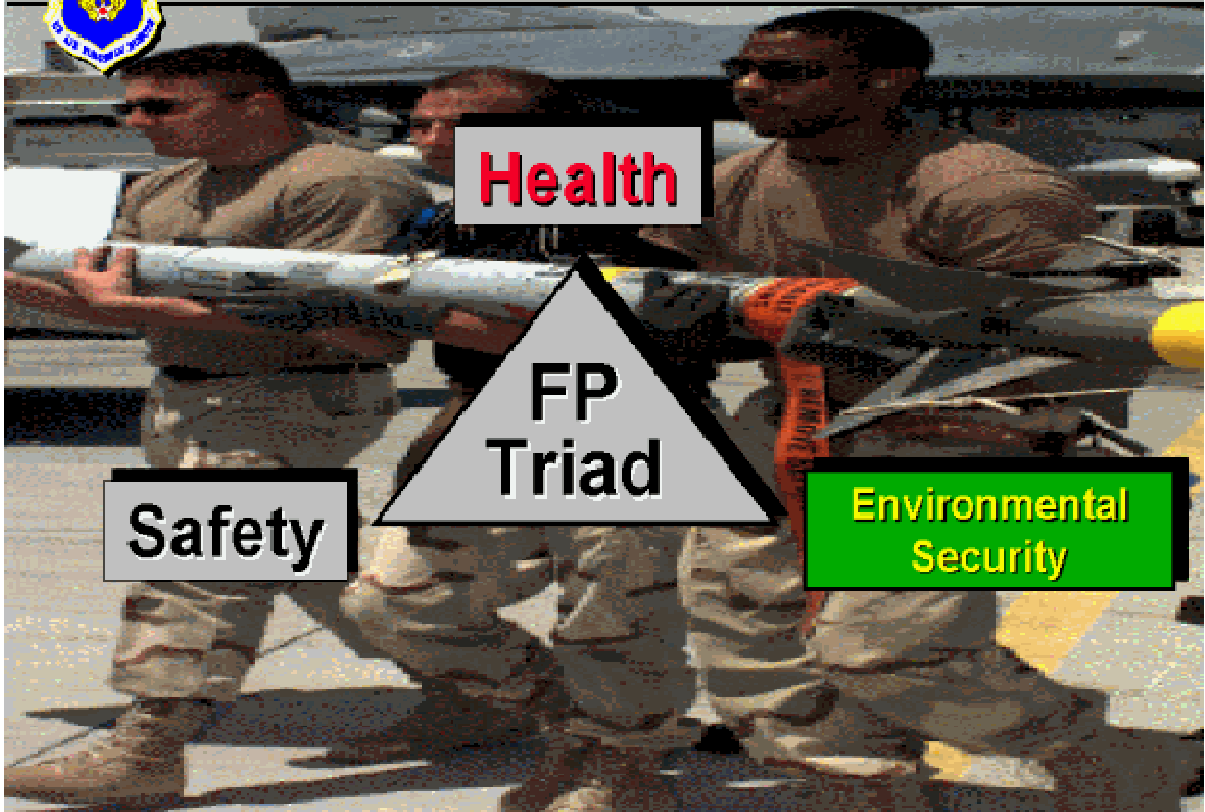


# BACK-UP SLIDES





# FORCE PROTECTION



**Health**

**FP  
Triad**

**Safety**

**Environmental  
Security**



## HOW WE PROTECT OURSELVES

- **Medical Intelligence**
  - ID threats, assess risk, determine countermeasures
- **Warrior Health Assessment**
  - current PHA & dental exam, health questionnaire
- **Immunizations & Screenings**
  - shots & malaria pills, HIV/serum bank, TB test
- **Personal Protection**
  - repellent, bed nets, hearing & respiratory protection
- **Education and Documentation are Key**



## WHAT WE DO FHP During Deployment

- **Site Selection & Set-up**
  - partner with CE to avert potential health problems
  - partner with LGC & SV for safe food, water, billeting
- **Surveillance**
  - DNBI data collection, analysis, & reporting
  - food & water safety/vulnerability
  - environmental & occupational hazards/risks
- **DNBI Prevention, Investigation & Remediation**
  - anticipate, recognize, evaluate & control problems
- **Education and Documentation are Key**



## WHAT WE DO Re/Post-Deployment FHP

- **Health Assessment**
  - health questionnaire
  - medical follow-up as required
- **Prophylaxis & Screenings**
  - malaria pills, HIV/serum bank & TB test as required
- **Medical Debrief**
  - all significant health events & exposures
- **After Action Reporting**
- **Education and Documentation are Key**