

ABBREVIATIONS AND ACRONYMS

A

AAP: Army ammunition plant
ABD: acute beryllium disease
ACD: allergic contact dermatitis
ACGIH: American Conference of Governmental Industrial Hygienists
AD: Army depot
ADA: Americans with Disabilities Act
ADC: Army Dosimetry Center
ADHD: attention deficit hyperactivity disorder
ADLs: activities of daily living
ADNT: aminodinitrotoluene
AF: adjustment factor
AFHSC: Armed Forces Health Surveillance Center
AFI: Air Force instruction
AFMAN: Air Force manual
AFMSA: Air Force Medical Support Agency
AFPD: Air Force policy directive
AFV: armored fighting vehicle
AG: antigen
AGE: arterial gas embolism
AGSM: anti-G straining maneuver
AIHA: American Industrial Hygiene Association
ALARA: as low as reasonably achievable
ALP: alkaline phosphatase
ALT: alanine aminotransferase
AMC: Army Materiel Command
AMCOM: Aviation and Missile Life Cycle Management Command
AMEDD: Army Medical Department
AMSP: asbestos medical surveillance program
ANSI: American National Standards Institute
AOEHP: Army Occupational and Environmental Health Program
APHC: Army Public Health Center
AR: Army regulation
ASD HA: Assistant Secretary of Defense for Health Affairs
AST: aspartate aminotransferase
ASW: antisubmarine warfare
ata: absolute atmosphere
atm: atmosphere
ATPIAL: Advanced Target Pointer Illuminator Aiming Light
AV: antivibration

B

BAL: broncho-alveolar lavage
BBP-SPM: blood-borne pathogen surveillance program manager
BDPE: benzo[a]pyrene diol epoxide
BDS: battle dressing station
BE: bioenvironmental engineering
BEI: biological exposure index
BeLPT: beryllium lymphocyte proliferation test
BFV: Bradley fighting vehicle
BLL: blood lead level
BOMC: base operational medicine clinic
BOS: base operating support
BR: basic restriction
BSI: biological surveillance initiative
BUMED: Navy Bureau of Medicine and Surgery

C

C4ISR: communications, computers, intelligence, surveillance, and reconnaissance
CAD: chemical agent detector

CAM: chemical agent monitor
CAMS: Central Atmosphere Monitoring System
CAP: Computer/Electronic Accommodations Program
CARC: chemical agent-resistant coating
CB: constrictive bronchiolitis
CBC: complete blood count
CBD: chronic beryllium disease
CBLI: cumulative blood lead index
CBRN: chemical, biological, radiological, and nuclear
CD: chemical depot
CDC: Centers for Disease Control and Prevention
CEGL: continuous exposure guideline level
CEMR: civilian employee medical record
CEU: continuing education unit
CFKE: Coburn, Foster, and Kane equation
CFR: US Code of Federal Regulations
CHCS: Center for Healthcare Services
CHPPM: US Army Center for Health Promotion and Preventive Medicine
CHRA: Civilian Human Resources Agency
CIA: Central Intelligence Agency
CIE: International Commission on Illumination
CITE: center of industrial and technical excellence
CIVD: cold-induced vasodilation
CMC: commandant of the Marine Corps
CME: continuing medical education
CMP: complete metabolic panel
CNO: chief of naval operations
CNS: central nervous system
CO: commanding officer
COCO: contractor-owned, contractor-operated
COT: Committee on Toxicology
CPP/DCPAS: Civilian Personnel Policy/Defense Civilian Personnel Advisory Services
Cr VI: hexavalent chromium
CRNA: certified registered nurse anesthetist
CS: compensation specialist
CSP: Chemical Surety Program
CT: computed tomography
CURR: US Armed Services Center for Unit Records Research
CV: cardiovascular
CWA: chemical warfare agent
CWI: cold weather injuries

D

DA: Department of the Army
DAF: Department of the Air Force
DBNP: 2,6-di-tert-butyl-4-nitrophenol
DBP: 2,6-di-tert-butylphenol
DCPAS: Defense Civilian Personnel Advisory Service
DCS: decompression sickness
DCS PH: deputy chief of staff for public health
DDC: deck decompression chamber
DEET: N,N-diethyl-meta-toluamide
DHA: Defense Health Agency
DISSUB: disabled submarine
DMDC: Defense Manpower Data Center
DMED: Defense Medical Epidemiologic Database
DMO: diving medical officer
DMSA: 2,3-dimercaptosuccinic acid
DMSS: Defense Medical Surveillance System
DNA: deoxyribonucleic acid
DNAN: 2,4-dinitroanisole
DNIF: duty not involving flying

DNT: dinitrotoluene
DO: dental officer
DoD: Department of Defense
DoDI: Department of Defense instruction
DoDSR: Department of Defense Serum Repository
DOEHRS: Defense Occupational and Environmental Health Readiness System
DOEHS: Deployment Occupational and Environmental Health Surveillance
DoN: Department of the Navy
DoT: Department of Transportation
dps: disintegration per second
DR: digital radiography
DRS: Disease Reporting System-internet
DSOC: Defense Safety Oversight Council
DTPA: diethylenetriamine pentaacetic acid
DU: depleted uranium
DVCC: disease vector control center
DVECC: disease vector ecology control center

E

EAB: emergency air breathing
EAD: equivalent air depth
EBC: exhaled breath condensate
ECG: electrocardiogram
ECWCS: Extended Cold Weather Clothing System
ED: emergency department
EDTA: ethylenediaminetetraacetic acid
EEGL: emergency exposure guidance levels
EGDN: ethylene glycol dinitrate
EKG: electrocardiogram
ELIS: enzyme-linked immune spot
ELISA: enzyme-linked immunosorbent assay
EMI: electromagnetic interference
EMP: electromagnetic pulse
EOD: explosive ordnance disposal
EPA: Environmental Protection Agency
Er:Glass: erbium doped glass
ERPG: emergency response planning guidelines
ESAMS: Enterprise Safety Applications Management System
ESIP: Environmental Surveillance Integration Program
ESOH: environment, safety, and occupational health
EST: exercise stress test
EVD: Ebola virus disease

F

FAA: Federal Aviation Administration
FBR: fast-burst reactor
FDA: Food and Drug Administration
FDPMU: forward deployable preventive medicine units
FECA: Federal Employees' Compensation Act
FEDCU: fleet epidemic disease control units
FEL: free electron laser
FEP: free erythrocyte protoporphyrin
FEV: forced expiratory volume
FMCSA: Federal Motor Carrier Safety Agency
FOM: flight and operational medicine
FORSCOM: Forces Command
FRC: Federal Radiation Council
fsw: feet of seawater
FVC: forced vital capacity

G

G6PD: glucose-6-phosphate dehydrogenase
G-LOC: G-induced loss of consciousness
GA: tabun

GAO: Government Accountability Office
GB: sarin
GDL: ground designator laser
GF: cyclosporin
GFR: glomerular filtration rate
GGT: γ -glutamyltransferase
GINA: Genetic Information Nondiscrimination Act
GMO: general medical officer
GOCO: government-owned, contractor-operated
GOGO: government-owned, government-operated
GS: general service
GWI: Gulf War illness

H

HAN: hydroxyl ammonium nitrate
Hbco: carboxyhemoglobin
HBIG: hepatitis B immune globulin
HBOT: hyperbaric oxygen therapy
HBsAg: hepatitis B surface antigen
HBV: hepatitis B virus
HCE: Hearing Center of Excellence
HCV: hepatitis C virus
Hep B sAB: hepatitis B surface antigen
Hep C AB: hepatitis C antibody
HEPA: high efficiency particulate air
HF: hydrogen fluoride
HIPAA: Health Insurance Portability and Accountability Act
HIPIR: high power illuminator radar
HIV: human immunodeficiency virus
HMX: octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
Hp: haptoglobin
HPD: hearing protection device
HPNS: high pressure nervous syndrome
HRA: health risk assessment
HRM: human resource management

I

IARC: International Agency for Research on Cancer
ICP-MS: inductively coupled plasma mass spectrometry
ICRP: International Commission on Radiation Protection
ICU: intensive care unit
ID: infectious disease
IDC: independent duty corpsman
IDLH: immediately dangerous to life or health
IED: improvised explosive device
IEEE: Institute of Electrical and Electronics Engineers
IFN- γ : interferon
IH: industrial hygiene
IHC: inner hair cell
IHO: industrial hygiene officer
IME: independent medical exam
IMX: insensitive munitions explosive
INST: instruction
IOM: Institute of Medicine
IR: infrared

J

JMC: Joint Munitions Command

L

LAP: loading, assembly, and packing
LASIK: laser in situ keratomileusis
LD₅₀: median lethal dose
LDH: lactate dehydrogenase
LEP: laser eye protection
LFT: liver function test

LIDAR: light detection and ranging
 LINAC: linear accelerator
 lncRNA: long non-coding RNA
 LV: lung volume

M

MAJCOM: major command
 MCL: maximum contaminant level
 MCT: mask confidence training
 MCW/LRP: meal, cold weather/food packet, long range patrol
 MDRO: multi-drug resistant organisms
 MEA: monoethanolamine
 MEB: medical evaluation board
 MEDCEN: medical center
 MEDCOM: Army Medical Command
 MEDDAC: Medical Department activity
 MEDEVAC: medical evacuation
 MEDPROS: Medical Protection System
 MERS-Cov: Middle East respiratory syndrome coronavirus
 MESL: Military Exposure Surveillance Library
 MHS: Military Health System
 miRNA: microRNA
 MIS: management information system
 MMWR: Morbidity and Mortality Weekly Report
 MO: medical officer
 MOPP: mission-oriented protective posture
 MOUT: mission operations on urban terrain
 MPE: maximum permissible exposure
 MRAP: mine-resistant, ambush-protected
 mRNA: messenger RNA
 MRSA: methicillin-resistant *S aureus*
 MSAT: Medical Situational Awareness in the Theater
 MSC: Medical Service Corps
 msw: meters of seawater
 MTF: medical treatment facilities

N

NAF: non-appropriated funds
 NAS-COT: National Academy of Science's Committee on Toxicology
 NATO: North Atlantic Treaty Organization
 NBC: nuclear, biological, and chemical
 NCRP: National Council on Radiation Protection
 NDI: nondestructive inspection
 NDSTC: Naval Diving and Salvage Training Center
 Nd:YAG: neodymium doped yttrium aluminum garnet
 NECE: Navy Entomology Center of Excellence
 NEDU: Navy Experimental Diving Unit
 NEHC: Navy Environmental Health Center
 NEPMU: Navy environmental and preventive medicine unit
 NFCl: nonfreezing cold injury
 NFPA: National Fire Protection Association
 NGIC: National Ground Intelligence Center
 NHANES: National Health and Nutrition Evaluation Survey
 NIEHC: Navy Industrial Environmental Health Center
 NIHI: noise-induced hearing injury
 NIHL: noise-induced hearing loss
 NIOSH: National Institute for Occupational Safety and Health
 NITROX: nitrogen-oxygen mixture
 NMC: Naval Medical Center
 NMCPhC: Navy and Marine Corps Public Health Center
 NMCPhC-TM: Navy and Marine Corps Public Health Center Technical Manual
 NOHIMS: Navy Occupational Health Information Management System
 NRC: National Research Council

NRC COT: National Research Council's Committee on Toxicology
 NSMRL: Naval Submarine Medical Research Laboratory
 NTC: National Training Center
 NTO: nitrotriazolone
 NTP: National Toxicology Program
 NU: natural uranium
 NVGs: night vision goggles

O

OASD: office of the assistant secretary of defense
 OBOGS: On-Board Oxygen Generation System
 OEF: Operation Enduring Freedom
 OEH: occupational and environmental health
 OEHS: occupational and environmental health surveillance
 OEHSa: OEH site assessment
 OEHWG: OEH working group
 OEL: occupational exposure limit
 OEM: occupational and environmental medicine
 OHC: occupational health center
 OHC: outer hair cell
 OHP: Occupational Health Program
 OHPSR: OHP status report
 OIF: Operation Iraqi Freedom
 OMPA: Occupational Medicine Program Assessment
 OND: Operation New Dawn
 OPM: Office of Personnel Management
 OPNAV: Office of the Chief of Naval Operations
 OR: operating room
 OSAGWI: Office of the Special Assistant for Gulf War Illnesses
 OSHA: Occupational Safety and Health Administration
 OTR: Operation Tomodachi Registry
 OTSG: Office of the Surgeon General
 OUA: Operation United Assistance
 OWCP: Office of Workers' Compensation Programs

P

PA: physician assistant
 PAH: polycyclic aromatic hydrocarbons
 PAM: pamphlet
 PCR: polymerase chain reaction
 PDHRA: Post Deployment Health Reassessment
 PEF: peak expiratory flow
 PEL: permissible exposure level
 PEO: Program Executive Officer
 PEPLine: Postexposure Prophylaxis Hotline
 PET: positron emission tomography
 PFO: patent foramen ovale
 PFT: pulmonary function test
 PGDN: propylene glycol dinitrate
 PH: public health
 PHA: preventative health assessment
 piRNA: piwi-interacting RNA
 PL: public law
 PLHCP: physician or other licensed healthcare professional
 PMU: preventive medicine unit
 POC: point of contact
 POEMS: Periodic Occupational and Environmental Monitoring Summary
 POWER: Protecting Our Workers and Ensuring Reemployment
 PPE: personal protective equipment
 PRK: photorefractive keratectomy
 PT: physical training
 PTC: personnel transfer capsule
 PTS: permanent threshold shift
 PWO: physician's written opinion

Q

QA WTP: Qarmat Ali Water Treatment Plant
QWE: quality of the work environment

R

RBCs: red blood cells
RCW: ration, cold weather
RDD: radiation dispersal device
RDECOM: Research, Development and Engineering Command
RDX: hexahydro-1,3,5-trinitro-1,3,5-triazine
REL: radiation exposure limit
RF: radio frequency
RHC: regional health command
RN: registered nurse
RNA: ribonucleic acid
RSC: Radiation Safety Committee
RSO: radiation safety officer
RTD: return to duty
RV: residual lung volume

S

SCBA: self-contained breathing apparatus
SCUBA: self-contained underwater breathing apparatus
SDV: SEAL delivery vehicle
SEAL: sea, air, land
SEAL: Submarine Escape Action Level
SEG: similar exposure group
SEIE: submarine escape immersion equipment
SHARE: Safety, Health and Return to Employment
SIPRnet: Secret Internet Protocol Router Network
SMART-PM: Special Medical Augmentation and Response Team—
Preventive Medicine
SME: subject matter expert
SMO: senior medical officer
SNHL: sensorineural hearing loss
SOF: Special Operations Forces
SOH: safety and occupational health
SOP: standard operating procedure
SPECT: single photon emission computerized tomography
SPOD/E: sea port of debarkation/embarkation
SRDRS: submarine rescue diving and recompression system
STD: sexually transmitted disease
STS: significant threshold shift
SUBEX: submarine exercise

T

Tdap: tetanus, diphtheria, and acellular pertussis vaccine
TEH: Total Exposure Health
TLC: total lung capacity
TLD: thermoluminescent dosimeter
TLV: threshold limit value
TNT: trinitrotoluene
TRADOC: Training and Doctrine Command
TRANSCOM: Transportation Command
TTS: temporary threshold shift
TWA: time-weighted average

U

UBA: underwater breathing apparatus
UHF: ultra-high frequency
UHMS: Undersea and Hyperbaric Medical Society
UIC: unit identification code
UL: Underwriters Laboratory
UPTD: unit pulmonary toxicity dose
USAHEA: US Army Environmental Hygiene Agency

USAPHC: US Army Public Health Center
USD (AT&L): Office of the Under Secretary of Defense for
Acquisition, Technology, and Logistics
USD (P&R): Office of the Under Secretary of Defense for Personnel
and Readiness
USMC: US Marine Corps
USN: US Navy
USPHS: US Public Health Service
UV: ultraviolet

V

VA: Department of Veterans Affairs
VA: Veterans Administration
VC: vital capacity
VHA: Veterans Health Administration
VHF: very high frequency
VSAT: very small aperture terminal

W

WAG: waste anesthetic gas
WCT: wind chill temperature
WEEL: workplace environmental exposure level
WESS: Web-Enabled Safety System
WG: wage grade
WMSD: work-related musculoskeletal disorders
WRNMMC: Walter Reed National Military Medical Center
WTC: World Trade Center

X

XO: executive officer

Z

ZPP: zinc protoporphyrin