

ABBREVIATIONS AND ACRONYMS

A

ACOEM: American College of Occupational and Environmental Medicine
AEG: Acute Exposure Guideline Level
AFCITA: Air Force Complete Immunization Tracking Application
AFHSC: Armed Forces Health Surveillance Center
AHLTA: Armed Forces Health Longitudinal Technology Application
AHR: airway hyperresponsiveness
AIT: allergy immunotherapy
AOR: adjusted odds ratio
ATP: adenosine triphosphate
ATS: American Thoracic Society
A-VO₂: arterial-venous oxygen difference

B

BAL: bronchoalveolar lavage
BALF: bronchoalveolar lavage fluid
BAMC: Brooke Army Medical Center
BASE: Building Assessment Survey and Evaluation
BC: bradycardia
BMI: body mass index
BPT: bronchoprovocation testing

C

CATI: computer-assisted telephone interview
CB: constrictive bronchiolitis
CBPR: community-based participatory research
CDC: Centers for Disease Control and Prevention
CENTCOM AOR: Central Command Area of Responsibility
CERC: Clinical Evaluation of Respiratory Conditions
CHAMPS: Career History Archival Medical and Personnel System
CI: confidence interval
CIA: Central Intelligence Agency
CL: confidence limit
CLa: absolute confidence limit
CLr: relative confidence limit
CO: cardiac output
CONUS: continental United States
COP: cryptogenic organizing pneumonia
COPD: chronic obstructive pulmonary disease
COT: Committee on Toxicology
CPET: cardiopulmonary exercise testing
CPRS: Computerized Patient Record System
CSP: Cooperative Studies Program
CT: computed tomography
CTR-EMED: Combat Trauma Registry Expeditionary Medical Encounter Database
CXR: chest X-ray

D

DA: Department of the Army
DARE: Deployment Airborne Respiratory Exposure
DAV: Disabled American Veteran
DD: Department of Defense
DEERS: Defense Enrollment Eligibility Reporting System
DHB: Defense Health Board
Dis: disease
DLCO: diffusing capacity of the lung for carbon monoxide
DLCO/VA: diffusing capacity of the lung for carbon monoxide corrected for alveolar volume
DLLD: Division of Lung Disease
DMDC: Defense Manpower Data Center
DMSS: Defense Medical Surveillance System
DNA: deoxyribonucleic acid

DoD: US Department of Defense
DoDSR: Department of Defense Serum Repository
DOEHRS: Defense Occupational and Environmental Health Readiness System
DU: depleted uranium
DVA: US Department of Veterans Affairs

E

EDHA: Electronic Deployment Health Assessment
EIB: exercise-induced bronchospasm
Endo: endocrine
EPMS: enhanced particulate matter sampling/surveillance
EPMSP: Enhanced Particulate Matter Survey Program
ERS: European Respiratory Society
EU: European Union

F

FEV₁/FEV1: forced expiratory volume in 1 second
FMEF: forced midexpiratory flow
FOB: fiberoptic bronchoscopy
FOH: Federal Occupational Health
FRC: forced residual capacity
FVC: forced vital capacity
FVL: flow volume loop

G

G6PD: glucose-6-phosphate dehydrogenase
GenISIS: Genomic Information System for Integrated Sciences
GMP: Genomics Medicine Program
GMPAC: Genomics Medicine Program Advisory Committee

H

H₂S: hydrogen sulfide
HEAR: Health Enrollment Assessment Review
HIPAA: Health Insurance Portability and Accountability Act
¹H-NMR: proton nuclear magnetic resonance
HRCT: high-resolution computed tomography
HVAC: heating, ventilation, and air conditioning

I

IARC: International Agency for Research on Cancer
ICD: *International Classification of Diseases*
ICD-9: *International Classification of Diseases, Ninth Revision*
ICD-9-CM: *International Classification of Diseases, Ninth Revision, Clinical Modification*
ID: identification
IEHR: integrated electronic health record
IgE: immunoglobulin E
ILD: interstitial lung disease
ILER: individual longitudinal exposure record
IMCA: indicators for monitoring COPD and asthma
IOM: Institute of Medicine
IR: incidence rate
IRR: incidence/incident rate ratio
IUATLD: International Union Against Tuberculosis and Lung Disease

J

JBB: Joint Base Balad/Joint Air Base Balad
JMeWS: Joint Medical Workstation
JPMWG: Joint Particulate Matter Work Group
JTTR: Joint Theater Trauma Registry

K

Kt: kiloton

L

LLD: limit of longitudinal decline
 LLDa: absolute limit of longitudinal decline
 LLDr: relative limit of longitudinal decline
 LLN: lower limit of normal

M

Max HR: maximal heart rate
 MCS: Millennium Cohort Study
 MCT: methacholine challenge test
 MEDPROS: Medical Protection System
 MEGs: Military Exposure Guidelines
 MEP: maximum expiratory pressure
 MESL: Military Exposure Surveillance Library
 Metab: metabolism
 MHS: Military Health System
 MIP: maximum inspiratory pressure
 MOMRP: Military Operational Medicine Research Program
 MOS-SF12: Medical Outcomes Study-Short Form 12
 MRC: Medical Research Council
 MRMC: US Army Medical Research and Materiel Command
 MS: musculoskeletal
 MTF: military treatment facility
 MVP: Million Veteran Program

N

NAMRU-D: Naval Medicine Research Unit-Dayton
 NCHS: National Center for Health Statistics
 NewGen: National Health Study for a New Generation of US Veterans
 NHANES: National Health and Nutrition Examination Survey
 NHANES III: Third National Health and Nutrition Examination Survey
 NHLBI: National Heart, Lung, and Blood Institute
 NHRC: Naval Health Research Center
 NIEHS: National Institute of Environmental Health Sciences
 NIOSH: National Institute for Occupational Safety and Health
 NMCB-17: Naval Mobile Construction Battalion SEVENTEEN
 NRC: National Research Council
 Nutrit: nutrition

O

OEF: Operation Enduring Freedom
 OIF: Operation Iraqi Freedom
 OND: Operation New Dawn
 ORD: Office of Research and Development
 OSHA: Occupational Safety and Health Administration

P

PACT: Patient Aligned Care Team
 PAH: polycyclic aromatic hydrocarbon
 PBD: postbronchodilator
 PCL: Posttraumatic Stress Disorder Check List
 PCL-M: PTSD Check List-Military
 PDF: Portable Document Format
 PDHA: Post-Deployment Health Assessment/Pre-Deployment Health Assessment
 PDHRA: Post-Deployment Health Reassessment
 PDTS: Pharmacy Data Transaction System
 PFT: pulmonary function test/testing
 PHQ-9: Patient Health Questionnaire-9
 PIMR: preventive Health Assessment and Individual Medical Readiness

PM: particulate matter
 PM₁₀: particulate matter with an aerodynamic diameter less than or equal to 10 µm; particulate matter level 10
 PM_{2.5}: particulate matter with an aerodynamic diameter less than 2.5 µm; particulate matter level 2.5
 PPV: positive predictive value
 pred: predicted
 Proj: projected
 PTSD: posttraumatic stress disorder
 PVNTMED: preventive medicine

Q

QG: quality grade

R

RADS: reactive airways dysfunction syndrome
 REF: reference value
 Regr: regression
 Rep: repeatability
 Resp: respiratory
 Rev: revised
 RNA: ribonucleic acid
 RR: respiratory rate
 RV: residual volume

S

SADR: Standard Ambulatory Data Record
 SD: standard deviation
 SE: standard error
 Seabee: member of the US Navy Construction Battalion (CB); the term "Seabee" is derived from "CB"
 SIDR: Standard Inpatient Data Record
 SO₂: sulfur dioxide
 Sp: absolute within-person variation
 SPIROLA: Spirometry Longitudinal Data Analysis (software)
 SPOD/E: Shuaiba Port of Debarkation/Embarkation
 Sr: relative within-person variation
 SSIC: Standard Subject Identification Codes
 STAMPEDE: Study of Active-Duty Military for Pulmonary Disease Related to Environmental Dust (or Deployment) Exposure
 Sw: within-person variation
 SWA: southwest Asia
 Swr: relative within-person variation
 Sys: system

T

TAIHOD: Total Army Injury and Health Outcomes Database
 TBLB: transbronchial lung biopsy
 TC: tachycardia
 TCDD: 2,3,7,8-tetrachlorodibenzo-*p*-dioxin
 TED: TRICARE Encounter Data
 TEFSC: Toxic Embedded Fragment Surveillance Center
 TGV: thoracic gas volume (performed by plethysmography)
 TIC/TIM: toxic industrial chemical/toxic industrial material
 TLC: total lung capacity
 TO: toxic organic

U

95% UCL: 95% upper confidence limit
 US: United States
 USAPHC: US Army Public Health Command
 USCENTCOM: US Central Command
 USEPA: US Environmental Protection Agency
 USPM: US urban particulate matter

V

VA: US Department of Veterans Affairs/Veterans Affairs
VAD IR/VADIR: VA/DoD Identity Repository
VAMC: Veterans Affairs Medical Center
VATS: video-assisted thoracoscopic surgery
VC: vital capacity
VCD: vocal cord dysfunction
VCO₂: carbon dioxide production
V_E: minute ventilation
VF: ventricular fibrillation
VHA: Veterans Health Administration
VO₂: oxygen uptake/oxygen consumption
VO_{2max}: maximal oxygen consumption
VOC: volatile organic compound

W

WG: working group
WHO: World Health Organization
WRIISC: War Related Illness and Injury Study Center
WTC: World Trade Center

Y

y: year

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