
ACRONYMS AND ABBREVIATIONS

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| ACGIH | American Conference of Governmental Industrial Hygienists |
| ACh | acetylcholine |
| AChE | acetylcholinesterase |
| AChEi | acetylcholinesterase inhibitors |
| AChEr | acetylcholinesterase receptors |
| AD | Alzheimer's disease |
| AFPMB | Armed Forces Pest Management Board |
| ALS | amyotrophic lateral sclerosis |
| AP | alkaline phosphatase |
| APT | Alexander Passalong test |
| ARCOM | U.S. Army Reserve Command |
| BBB | blood brain barrier |
| BDU | battle dress uniform |
| BuChE | butyrylcholinesterase |
| BVRT | Benton visual retention test |
| C | centigrade |
| CAS | Chemical Abstracts Service |
| CCEP | DoD Comprehensive Clinical Evaluation Program |
| CDC | U.S. Centers for Disease Control and Prevention |
| CF(S) | chronic fatigue (syndrome) |
| CI | confidence interval, or Cornell Index |
| CNS | central nervous system |
| D1-D5 | labels for 5 dopaminergic receptor transcripts |
| DA | dopamine |
| DNBI | disease and non-battle injury |
| ECG | electrocardiogram |

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|--------------------------|--|
| EEG | electroencephalogram |
| EPA | U.S. Environmental Protection Agency (also USEPA) |
| FDA | Federal Drug Administration |
| FIFRA | Federal Insecticide, Fungicide, and Rodenticide Act |
| FM | fibromyalgia |
| FSRA | forced respiratory sinus arrhythmia |
| GGT | gamma glutamyl transpeptidase |
| GI | gastrointestinal |
| GNDS | general neuropsychological deficit scale |
| GUP | general-use pesticide |
| GWI | Gulf War illness |
| hr | hour(s) |
| IARC | International Agency for Research on Cancer |
| ICD | International Classification of Diseases |
| IDLH | immediately dangerous to life or health (value) |
| IOM | Institute of Medicine |
| Ip | intraperitoneal |
| IRIS | Integrated Risk Information Service (USEPA) |
| IV | intravenous |
| kg | kilogram(s) |
| L | liter(s) |
| LAP | leucine amino peptidase |
| lb | pound(s) |
| LC50 or LC ₅₀ | median lethal concentration |
| LD50 or LD ₅₀ | median lethal dose |
| LDH | lactate dehydrogenase |
| M1-M5 | labels for 5 muscarinic ACh receptor transcripts |
| MCS | multiple chemical sensitivity |
| mg | milligram(s) |
| ml or mL | milliliter(s) |
| mM | millimolar |
| mm | millimeter(s) |
| MMWR | <i>Morbidity, Mortality Weekly Report</i> (published by CDC) |
| mo | month(s) |

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|----------------|--|
| mPa | milliPascal(s) |
| MSA | multiple-system atrophy |
| msec | millisecond(s) |
| µg | microgram(s) |
| µL | microliter(s) |
| m ² | square meter(s) |
| m ³ | cubic meter(s) |
| NA | not available |
| NBC | nuclear, biological, chemical |
| NCV | nerve-conduction velocity |
| ng | nanogram |
| NHL | non-Hodgkin's lymphoma |
| NIOSH | National Institute for Occupational Safety and Health |
| NOEL | no observable effect level |
| NRC | National Research Council |
| NS | not significant |
| NSN | National Stock Number |
| NTE | neuropathy target esterase |
| OC | organochlorine |
| OCT | ornithine carbamoyl transferase |
| ODS/DS | Operations Desert Shield and Desert Storm |
| OP | organophosphate |
| OPIDN | OP-induced delayed neuropathy |
| OR | odds ratio |
| OSAGWI | Office of the Special Assistant for Gulf War Illnesses |
| OSHA | Occupational Safety and Health Administration |
| OSHAct | Occupational Safety and Health Act |
| PAI | personality assessment inventory |
| PB | pyridostigmine bromide |
| PCC | Poison Control Center |
| PD | Parkinson's disease |
| PEL | permissible exposure limit |
| PGW | Persian Gulf War |
| PGWV | Persian Gulf War veterans |

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|-------|---|
| p.o. | per os (by mouth) |
| PON | paraoxonase (also PON1) |
| POR | prevalence odds ratio |
| PP | preparkinsonism |
| ppb | parts per billion |
| ppm | parts per million |
| PR | prevalence ratio |
| PTSD | post-traumatic stress disorder |
| RA | resting heart-rate variability |
| RBC | red blood cell |
| REL | recommended exposure limit |
| RfC | reference concentration |
| RfD | reference dose |
| RR | relative risk |
| RUP | restricted-use pesticide |
| SCE | sister-chromatid exchange |
| SD | standard deviation |
| SGPT | serum alanine aminotransferase (also ALT) |
| SMR | standardized mortality ratio |
| SPECT | single photon emission computerized tomography |
| SSID | signs, symptoms, and ill-defined conditions |
| STEL | short-term exposure limit |
| TLV | threshold limit value |
| TPT | tactical performance test |
| TWA | time-weighted average |
| ULV | ultra-low volume (pesticide spray) |
| USAR | U.S. Army Reserve |
| USEPA | U.S. Environmental Protection Agency (also EPA) |
| USNG | U.S. National Guard |
| VA | Veterans Administration |
| WAIS | Wechsler adult intelligence scale |
| WHO | World Health Organization |
| wk | week(s) |
| WMS | Wechsler memory scale |
| WRAT | wide-range achievement test |