Presentation 6 – Joel Graves

SEE CHART OF OFFICE OF RESEARCH
AND DEVELOPMENT SUPPORT OF
ONGOING GW RESEARCH PROJECTS SODIUM PHENYLBUTYRATE FOR ALS 3 GW TREATMENT RESEARCH CTRS BRAIN BANK GENE BANK HRONIC FATIGUE SYNDROME HYSTOLOGICAL TULTIPLE CHEMICAL SENSITIM RRITABLE BOWEL SYNDROME IBROMYALGIA IPLE SCLEROSIS As of 13 Dec 2005 GWRAC Meeting MAJOR SPECIFIC SYMPTOMS (Notes 1, 5, 6) This chart lists those exposures which overdy or subtley affected Gulf War veterans. The following Exposures and Stressors, and their synergistic effects, are significant for understanding Gulf War Illness. MAIN CATEGORY 3RD SUB-CATEGORY 3RD SUB-CATEGORY GULF WAR VETERAN EXPOSURES AND STRESSORS CHART EXPOSURES

CHANGES/UPDATES. Please contact Joid Graves with changes, recommendations, or updates to this form - igraves@e

- Stopped at 3 sub-categories (when it could go further in some areas) to identify the important issues, but to also keep the chart simple/less complicated Under MAJOR SYMPTOMS, every possible symptom is not listed, but only those that are significant and specific to most GULF WAR Illness.
 - Vaccines: Anthrax, Plague, Botulinum, Typhoid, Cholera, Diphtheria, Pertussis, Tetanus, Meningood
- 4. Pesticides: OP, OCI, Carbamates, Pyrethroids, Repellents
- 6. LEVEL OF CONTACT (Degree of Exposure) and MULTIPLE EXPOSURES (2 or more) in conjunction at times/posably with STRESS arefactors to be considered when analyzing the symptoms in individuals. (Degree of Exposure: Verified exposures, possible and/or self-reported, unverified exposures, non-exposed)
 - it is important that all studies distinguish between people forward deployed from other types of deployments or the study results/out comes might be viewed as If people were with forward deployed forces (combat/combat support), they are more likely to have multiple exposures, stressors, and higher levels of contact.
 - Simply referencing deployed from non-deployed, leads to irrelevant data, as outcomes usually mirror the general population.
- Chronio Widespread Pain, Immunological Recall, Myalgia, Arthralgia, Myofacial Pain, Low Bone Density, Carcinogenic Effects, Neurotoxio Effects The following were not used but could be added to the list: Somstoform Disorders, Cognitive Problems, Neurological Problems, Sleep Disorders,
 - Research Criteria: a. Addresses one or more symptoms, or b. Addresses one or more diagnoses, or c. Addresses one or more exposure events
 - Gulf War Illness could be caused by Multi-Combination Exposures.
- Three Treatment Development Centers: Not typically for treatment (unless in pilot program), but to determine what's working among GW vaterans. Locations to be determined.

Center Purposes: 1. Collect and analyze data on GW vet treatment sisymptom relief - ID promising therapies for further research; 2. Create good definitions for studies butcomes 3. Define ways of stratelying the GW vets; 4. Focus on evaluation of bio markers and treatments; 5. Engage in pilot clinical research projects.