

Condition	%	VVF #s	NVF #s	Category
CNS				
Spastic Paralysis		320%	0.32%	0.10% CNS
Migraines		626%	6.01%	0.96% CNS
Neuropathy		743%	0.52%	0.07% CNS
Arteriovenous Malformation		400%	0.20%	0.05% CNS
Limb Defects				
Chondromalacia Patella		567%	0.68%	0.12% Limb Defects
Muscle Defects				
Hiatal Hernia		262%	3.70%	1.41% Muscle Defects
Fibromyalgia		1682%	3.70%	0.22% Muscle Defects
Spine Defects				
Spinal Muscular Atrophy		206%	0.72%	0.35% Spine Defects
Spondylolisthesis		1167%	1.75%	0.15% Spine Defects
Lordosis		440%	0.44%	0.10% Spine Defects
Spinal Stenosis		686%	1.51%	0.22% Spine Defects
Spondylosis		1040%	1.04%	0.10% Spine Defects
Anklosing Spondylitis		800%	0.16%	0.02% Spine Defects
Degenerative Disc Disease		2200%	0.44%	0.02% Spine Defects
Eye Defects				
Astigmatism		246%	10.71%	4.35% Eye Defects
Vision Defects		216%	12.23%	5.66% Eye Defects
Glaucoma		280%	1.12%	0.40% Eye Defects
Ear Defects				
Chronic Tinnitus		616%	7.45%	1.21% Ear Defects
Cranial / Facial Defects				
Swollen or Bleeding Gums		443%	4.70%	1.06% Cranial / Facial Defects
TMJ		1360%	0.68%	0.05% Cranial / Facial Defects
Cardiovascular Defects				
Mitral Valve Prolapse		386%	2.47%	0.64% Cardiovascular Defects
Cardiac Arrhythmia		265%	3.42%	1.29% Cardiovascular Defects
Hypertension		560%	7.05%	1.26% Cardiovascular Defects
Tachycardia		360%	0.36%	0.10% Cardiovascular Defects
Gastrointestinal Defects				
Crohn's Disease		524%	1.31%	0.25% Gastrointestinal Defects
Chronic Stomach Problems		234%	18.76%	8.01% Gastrointestinal Defects
Celiac Disease		347%	0.52%	0.15% Gastrointestinal Defects
IBS		538%	4.90%	0.91% Gastrointestinal Defects
Barrett's Escophagus		800%	0.16%	0.02% Gastrointestinal Defects
Colitis / Ulcerative Colitis		1800%	0.36%	0.02% Gastrointestinal Defects
Diarrhea / Chronic Diarrhea		480%	0.24%	0.05% Gastrointestinal Defects

Liver / Bile Duct			
Absent Gallbladder	343%	1.27%	0.37% Liver / Bile Duct
Liver Function Disorder	210%	1.83%	0.87% Liver / Bile Duct
Hepatomegaly	202%	1.19%	0.59% Liver / Bile Duct
Splenomegaly	213%	0.64%	0.30% Liver / Bile Duct
Gall Stones	320%	0.32%	0.10% Liver / Bile Duct
Genitourinary Defects			
Bicornuate Uterus	320%	0.64%	0.20% Genitourinary Defects
Interstitial Cystitis	1840%	0.92%	0.05% Genitourinary Defects
Absent Uterus	240%	0.24%	0.10% Genitourinary Defects
Skin Defects			
Psoriasis	440%	5.54%	1.26% Skin Defects
Acne-like Rash	352%	12.35%	3.51% Skin Defects
Skin Fungus	728%	5.02%	0.69% Skin Defects
Changes In Skin Color	235%	3.90%	1.66% Skin Defects
Lamellar Ichthyosis	400%	0.20%	0.05% Skin Defects
Tumors (Benign)			
Neurofibromatosis	336%	0.84%	0.25% Tumors (Benign)
Pseudotumor Cerebri	347%	0.52%	0.15% Tumors (Benign)
Fibroids	2590%	2.59%	0.10% Tumors (Benign)
Syndromes			
Marfan	320%	0.16%	0.05% Syndromes
Nail-Patella	229%	0.16%	0.07% Syndromes
Prader-Willi	229%	0.16%	0.07% Syndromes
Wolff-Parkinson-White	320%	0.48%	0.15% Syndromes
Cushing	480%	0.24%	0.05% Syndromes
Orofacialdigital	400%	0.08%	0.02% Syndromes
Williams	200%	0.20%	0.10% Syndromes
Cancer			
Neuroblastoma	480%	0.48%	0.10% Cancer
Leukemia	575%	1.15%	0.20% Cancer
Lymphoma	2200%	0.44%	0.02% Cancer
Colon Cancer	1000%	0.20%	0.02% Cancer
Non-Hodgkins Lymphoma	2200%	0.44%	0.02% Cancer
Sarcoma	533%	0.64%	0.12% Cancer
Astrocytoma	229%	0.16%	0.07% Cancer
Thyroid	1986%	1.39%	0.07% Cancer
Brain or CNS	1200%	0.24%	0.02% Cancer
Cervical Cancer	1600%	0.32%	0.02% Cancer
Cysts			
Ovarian	1046%	13.18%	1.26% Cysts
Ganglion	645%	3.03%	0.47% Cysts
Pilonidal	565%	0.96%	0.17% Cysts

Learning Disabilities			
Dyslexia/Reading	347%	16.21%	4.67% Learning Disabilities
Math	310%	23.38%	7.54% Learning Disabilities
Spelling/Writing	223%	20.55%	9.22% Learning Disabilities
Memory Problems	278%	17.76%	6.40% Learning Disabilities
Visual Memory Deficits	231%	6.09%	2.64% Learning Disabilities
Attention Deficit Disorders			
Attention Deficit w/o Hyperactivity	314%	15.21%	4.84% Attention Deficit Disorders
Emotional / Behavioral			
Depression	507%	33.69%	6.65% Emotional / Behavioral
Obsessive / Compulsive	292%	14.74%	5.04% Emotional / Behavioral
Mood Swings	334%	27.48%	8.23% Emotional / Behavioral
Anger	287%	24.81%	8.65% Emotional / Behavioral
Breaks Law / Rules of Society	608%	7.05%	1.16% Emotional / Behavioral
Schizophrenia	722%	1.95%	0.27% Emotional / Behavioral
Dysthymia	440%	0.88%	0.20% Emotional / Behavioral
Anxiety Disorder	286%	24.61%	8.60% Emotional / Behavioral
Bi-Polar	407%	7.73%	1.90% Emotional / Behavioral
Borderline Personality Disorder	866%	5.54%	0.64% Emotional / Behavioral
Manic Depression	463%	4.58%	0.99% Emotional / Behavioral
Allergies			
Hives	287%	9.88%	3.44% Allergies
Hay Fever	332%	18.04%	5.44% Allergies
MCS	588%	2.47%	0.42% Allergies
Immune Response Disorder			
Primary Immune Defect	300%	0.96%	0.32% Immune Response Disorder
Hypogammaglobulinemia	427%	0.64%	0.15% Immune Response Disorder
Autoimmune Disorder	691%	8.92%	1.29% Immune Response Disorder
Addison's	286%	0.20%	0.07% Immune Response Disorder
Rheumatoid Arthritis	941%	4.14%	0.44% Immune Response Disorder
Lupus	2240%	1.12%	0.05% Immune Response Disorder
Multiple Sclerosis	1680%	0.84%	0.05% Immune Response Disorder
Endocrine Defects			
Early Puberty	215%	4.30%	2.00% Endocrine Defects
Delayed Puberty	314%	3.74%	1.19% Endocrine Defects
Thyroid Defect	381%	8.12%	2.13% Endocrine Defects
Diabetes	707%	6.29%	0.89% Endocrine Defects
Hypoglycemia	416%	3.70%	0.89% Endocrine Defects
Hashimoto's Disease	933%	1.12%	0.12% Endocrine Defects
Hypothyroidism	635%	2.35%	0.37% Endocrine Defects
Polycystic Ovarian Syndrome	1359%	2.99%	0.22% Endocrine Defects
Osteoporosis	800%	0.16%	0.02% Endocrine Defects

Misc Defects				
Endometriosis	1723%	6.89%	0.40%	Misc Defects
Menstrual Problems	828%	19.20%	2.32%	Misc Defects
Frequent Headaches	370%	27.24%	7.37%	Misc Defects
Heat/Cold Sensitivity	260%	15.25%	5.86%	Misc Defects
Light Sensitivity	253%	11.39%	4.50%	Misc Defects
Chronic Fatigue Syndrome	589%	16.73%	2.84%	Misc Defects
Muscle Pain / Weakness	291%	21.74%	7.46%	Misc Defects
Joint Pain	491%	28.28%	5.76%	Misc Defects
Arthritis	1454%	12.94%	0.89%	Misc Defects
Hair Loss	680%	9.72%	1.43%	Misc Defects
Anemia	219%	8.48%	3.88%	Misc Defects
Sleep Disorder	260%	17.96%	6.90%	Misc Defects
Frequent Nose Bleeds	212%	5.93%	2.79%	Misc Defects
Anorexia or Bulimia	407%	1.79%	0.44%	Misc Defects
Infertility	689%	6.61%	0.96%	Misc Defects
Unexplained Fevers	218%	7.49%	3.44%	Misc Defects
Ankyloglossia	207%	0.56%	0.27%	Misc Defects
High Cholesterol	2400%	0.48%	0.02%	Misc Defects
Raynaud's Phenomenon	457%	0.32%	0.07%	Misc Defects

The chart shows the percentage of increase for all conditions that are doubled or more in the children of Vietnam veterans. The same pattern always emerges: neurodevelopmental, immune and endocrine problems increased. The chart is color-coded by condition categories.

This data has been collected since the Birth Defect Research for Children (BDRC) online questionnaire went live in 2004. Before that, there were 3,000 – 4,000 cases in the original booklet form, but not all of those filled out the new questionnaire. The findings bear out the same pattern of disabilities in the children of Vietnam veterans, BDRC analyzed the first 300 cases of Viet vet children compared to 1,500 non-veterans' children, arriving at the same result seen in this report, twenty years later.