

Microbiome Information for: Cancer (General)

For prescribing Medical professionals Review

The suggestions below are based on an Expert System (Artificial Intelligence) modelled after the MYCIN Expert System produced at Stanford University School of Medicine in 1972. The system uses over 1,800,000 facts with backward chaining to sources of information. The typical sources are studies published on the US National Library of Medicine.

Many recent studies has found that symptoms and symptom severity has strong associations to the microbiome for many conditions. Correcting the microbiome dysfunction is beleived to reduce the severity of symptoms. In some cases, this correction may cause symptoms to disappear.

These are *a priori suggestions* that are predicted to independently reduce microbiome dysfunction. Suggestions should *only be done after a review* by a medical professional factoring in patient's conditions, allergies and other issues.

This report may be freely shared by a patient to their medical professionals

Best practise for making microbiome adjustments is to obtain the individuals microbiome. The following are the best microbiome to use with this expert system model. The suggestions below are intended as temporary suggestions until a test result in received.

In the USA

Ombre (<https://www.ombrelab.com/>)

Thome (<https://www.thome.com/products/dp/gut-health-test>)

Worldwide: BiomeSight (<https://biomesight.com>) - Discount Code 'MICRO'

Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229

Email: Research@MicrobiomePrescription.com

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Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Cancer (General)

Nota Bena: Many studies are done with a small sample size or mixtures of condition subsets which can greatly diminish the ability to detect bacteria shifts.

Bacteria Name	Rank	Shift	Taxonomy ID	Bacteria Name	Rank	Shift	Taxonomy ID
Anaerococcus	genus	High	165779	Clostridium novyi	species	Low	1542
Blastocystis	genus	High	12967	Clostridium perfringens	species	Low	1502
Desulfovibrio	genus	High	872	Enterococcus faecalis	species	Low	1351
Fenollaria	genus	High	1686313	Enterococcus faecium	species	Low	1352
Fusobacterium	genus	High	848	Lactocaseibacillus casei	species	Low	1582
Mucispirillum	genus	High	248038	Lactocaseibacillus paracasei	species	Low	1597
Mycoplasma	genus	High	2093	Lactocaseibacillus rhamnosus	species	Low	47715
Neisseria	genus	High	482	Lactiplantibacillus pentosus	species	Low	1589
Odoribacter	genus	High	283168	Lactiplantibacillus plantarum	species	Low	1590
Peptoniphilus	genus	High	162289	Lactobacillus acidophilus	species	Low	1579
Porphyromonas	genus	High	836	Lactobacillus delbrueckii	species	Low	1584
Prevotella	genus	High	838	Lactobacillus helveticus	species	Low	1587
Sneathia	genus	High	168808	Lactococcus lactis	species	Low	1358
Staphylococcus	genus	Low	1279	Ligilactobacillus salivarius	species	Low	1624
Veillonella	genus	High	29465	Limosilactobacillus fermentum	species	Low	1613
Salmonella enterica subsp. enterica serovar Typhimurium	no rank	Low	90371	Limosilactobacillus reuteri	species	Low	1598
Aggregatibacter actinomycetemcomitans	species	High	714	Pediococcus pentosaceus	species	Low	1255
Bacillus cereus	species	Low	1396	Porphyromonas gingivalis	species	High	837
Bacillus subtilis	species	Low	1423	Pseudomonas aeruginosa	species	Low	287
Bacteroides caccae	species	Low	47678	Saccharomyces boulardii (nom. inval.)	species	Low	252598
Bifidobacterium adolescentis	species	Low	1680	Salmonella enterica	species	Low	28901
Bifidobacterium longum	species	Low	216816	Streptococcus thermophilus	species	Low	1308
Clostridium butyricum	species	Low	1492	Bifidobacterium animalis subsp. lactis	subspecies	Low	302911
				Bifidobacterium longum subsp. infantis	subspecies	Low	1682

Substance to Consider Adding or Taking

These are the most significant substances that are likely to improve the microbiome dysfunction. Dosages are based on the dosages used in clinical studies. For more information see: <https://microbiomeprescription.com/library/dosages>. These are provided as examples only

Colors indicates the type of substance: i.e. probiotics and prebiotics, herbs and spices, etc. There is no further meaning to them.

Antibiotics annotated with [CFS] have been used with various degree of success with Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, Chronic Lyme, Chronic Q-Fever and Long COVID conditions. Rotation of antibiotics with 3 weeks off between courses is recommended.

AMOXICILLIN [CFS]

AMPICILLIN [CFS]

Azadirachta indica {Neem} 120 mg/day

benzylpenicillin sodium (antibiotic)

chloramphenicol

Cinnamomum zeylanicum {Ceylon Cinnamon} 6 gram/day

CIPROFLOXACIN [CFS]

Diferuloylmethane {Curcumin} 3 gram/day

foeniculum vulgare,fennel

gentamicin

imipenem

meropenem

origanum vulgare {oregano}

piperacillin-tazobactam

Propolis {Bee glue}

syzygium aromaticum {clove}

tetracycline

Thymus vulgaris {thyme}

tobramycin

VANCOMYCIN (ANTIBIOTIC)[CFS]

Substance to Consider Reducing or Eliminating

These are the most significant substances have been identified as probably contributing to the microbiome dysfunction.

In some cases blood work may show low levels of some vitamins, etc. listed below. This may be due to *greedy* bacteria reported at a high level above. Viewing bacteria data on the Kyoto Encyclopedia of Genes and Genomes (<https://www.kegg.jp/>) may provide better insight on the course of action to take.

(2->1)-beta-D-fructofuranan {Inulin}

Avena sativa x Hordeum vulgare {barley,oat}

dietary fiber

Fiber, total dietary

fructo-oligosaccharides

fruit

fruit/legume fibre

High-fibre diet {Whole food diet}

Hordeum vulgare {Barley}

Human milk oligosaccharides (prebiotic, Holigos, Stachyose)

oligosaccharides {oligosaccharides}

resveratrol-pterostilbene {grapes, blueberries}

Slow digestible carbohydrates. {Low Glycemic}

whole-grain diet

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Additional APriori Analysis Available

Available at: <https://microbiomeprescription.com/Library/PubMed>

Abdominal Aortic Aneurysm

Acne

Addison's Disease (hypocortisolism)

ADHD

Age-Related Macular Degeneration and Glaucoma

Allergic Rhinitis (Hay Fever)

Allergies

Allergy to milk products

Alopecia (Hair Loss)

Alzheimer's disease

Amyotrophic lateral sclerosis (ALS) Motor Neuron

Ankylosing spondylitis

Anorexia Nervosa

Antiphospholipid syndrome (APS)

Asthma

Atherosclerosis

Atrial fibrillation

Autism

Autoimmune Disease

Barrett esophagus cancer

benign prostatic hyperplasia

Biofilm

Bipolar Disorder

Brain Trauma

Breast Cancer

Cancer (General)

Carcinoma

cdkl5 deficiency disorder

Celiac Disease

Cerebral Palsy

Chronic Fatigue Syndrome

Chronic Kidney Disease

Chronic Lyme

Chronic Obstructive Pulmonary Disease (COPD)

Chronic Urticaria (Hives)

Coagulation / Micro clot triggering bacteria

Cognitive Function

Colorectal Cancer

Constipation

Coronary artery disease

COVID-19

Crohn's Disease

Cushing's Syndrome (hypercortisolism)

cystic fibrosis

d-lactic acidosis (one form of brain fog)

deep vein thrombosis
Denture Wearers Oral Shifts
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
erectile dysfunction
Fibromyalgia
Food Allergy
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
giant cell arteritis
Glioblastoma
Gout
Graves' disease
Gulf War Syndrome
Halitosis
Hashimoto's thyroiditis
Heart Failure
hemorrhagic stroke
Hemorrhoidal disease, Hemorrhoids, Piles
Hidradenitis Suppurativa
High Histamine/low DAO
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure)
Hypothyroidism
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Intracranial aneurysms
Irritable Bowel Syndrome
ischemic stroke
Juvenile idiopathic arthritis
Liver Cirrhosis
liver fibrosis
Long COVID
Low bone mineral density
Lung Cancer
Lymphoma
Mast Cell Issues / mastitis
ME/CFS with IBS
ME/CFS without IBS
membranous nephropathy
Menopause
Metabolic Syndrome
Mood Disorders
multiple chemical sensitivity [MCS]
Multiple Sclerosis
Multiple system atrophy (MSA)

myasthenia gravis
neuropathic pain
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
pancreatic cancer
Parkinson's Disease
Peanut Allergy
Polycystic ovary syndrome
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
primary biliary cholangitis
Primary sclerosing cholangitis
Psoriasis
rheumatoid arthritis (RA),Spondyloarthritis (SpA)
Rosacea
Schizophrenia
scoliosis
sensorineural hearing loss
Sjögren syndrome
Sleep Apnea
Slow gastric motility / Gastroparesis
Small Intestinal Bacterial Overgrowth (SIBO)
Stress / posttraumatic stress disorder
Systemic Lupus Erythematosus
Tic Disorder
Tourette syndrome
Type 1 Diabetes
Type 2 Diabetes
Ulcerative colitis
Unhealthy Ageing
Vitiligo