

Microbiome Information for: Chronic Obstructive Pulmonary Disease (COPD)

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

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Chronic Obstructive Pulmonary Disease (COPD)

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
Clostridia	class	High	186801	Oscillibacter	genus	High	459786
Acidaminococcaceae	family	High	909930	Paludibacter	genus	High	346096
Aerococcaceae	family	Low	186827	Peptostreptococcus	genus	Low	1257
Christensenellaceae	family	Low	990719	Prevotella	genus	High	838
Desulfovibrionaceae	family	Low	194924	Pseudomonas	genus	High	286
Enterobacteriaceae	family	Low	543	Romboutsia	genus	High	1501226
Lachnospiraceae	family	High	186803	Roseburia	genus	Low	841
Oscillospiraceae	family	Low	216572	Rothia	genus	High	508215
Streptococcaceae	family	High	1300	Rothia	genus	High	32207
Acinetobacter	genus	High	469	Scardovia	genus	High	196081
Actinomyces	genus	High	1654	Stenotrophomonas	genus	High	40323
Aerococcus	genus	High	1375	Streptococcus	genus	High	1301
Aspergillus	genus	High	5052	Streptomyces	genus	High	1883
Butyrivibrio	genus	Low	574697	Veillonella	genus	High	29465
Campylobacter	genus	High	194	Acinetobacter baumannii	species	High	470
Corynebacterium	genus	High	1716	Acinetobacter calcoaceticus	species	High	471
Dialister	genus	High	39948	Brevibacterium aureum	species	High	233502
Eubacterium	genus	Low	1730	Candida albicans	species	High	5476
Faecalicatena	genus	High	2005359	Chlamydia pneumoniae	species	High	83558
Flavonifractor	genus	High	946234	Corynebacterium propinquum	species	High	43769
Gemella	genus	High	1378	Escherichia coli	species	High	562
Granulicatella	genus	High	117563	Haemophilus influenzae	species	High	727
Haemophilus	genus	High	724	Haemophilus parainfluenzae	species	High	729
Holdemanella	genus	High	1573535	Klebsiella pneumoniae	species	High	573
Holdemania	genus	High	61170	Moraxella catarrhalis	species	High	480
Intestinibacter	genus	High	1505657	Mycoplasmoides pneumoniae	species	High	2104
Lachnospirillum	genus	Low	1506553	Porphyromonas gingivalis	species	High	837
Lachnospira	genus	Low	28050	Prevotella melaninogenica	species	Low	28132
Lactobacillus	genus	High	1578	Pseudomonas aeruginosa	species	High	287
Lautropia	genus	High	47670	Rothia mucilaginosa	species	High	43675
Lawsonibacter	genus	High	2172004	Simkania negevensis	species	High	83561
Malassezia	genus	High	55193	Staphylococcus aureus	species	High	1280
Marvinbryantia	genus	Low	248744	Staphylococcus epidermidis	species	High	1282
Megasphaera	genus	High	906	Streptococcus parasanguinis	species	High	1318
Moraxella	genus	High	475	Streptococcus pneumoniae	species	High	1313
Moryella	genus	High	437755	Streptococcus salivarius	species	High	1304
Neisseria	genus	High	482	Streptococcus vestibularis	species	High	1343
				Streptococcus viridans	species	High	78535

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.

Hordeum vulgare {Barley} 60 gram/day
proton-pump inhibitors (prescription) 60 mg/day

β -glucan {Beta-Glucan} 500 mg/day
Tobacco consumption {Smoking}

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.

3,3',4',5,7-pentahydroxyflavone {Quercetin}

amoxicillin [CFS]

ampicillin [CFS]

Azadirachta indica {Neem}

benzylpenicillin sodium (antibiotic)

ceftazidime

Cinnamomum zeylanicum {Ceylon Cinnamon}

ciprofloxacin [CFS]

Cymbopogon citratus {Lemongrass}

D-(-)-Fructose {Fruit sugar}

Diferuloylmethane {Curcumin}

gentamicin

Honey {Honey }

imipenem

meropenem

Metha family {Mint}

minocycline [CFS]

origanum vulgare {oregano}

Pimpinella anisum {Anise}

piperacillin-tazobactam

Propolis {Bee glue}

rosmarinus officinalis {rosemary}

syzygium aromaticum {clove}

Thymus vulgaris {thyme}

tobramycin

vancomycin (antibiotic)[CFS]

Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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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

cdk15 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