

Microbiome Information for: Allergic Rhinitis (Hay Fever)

For non-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/>)

Thorne (<https://www.thorne.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 Allergic Rhinitis (Hay Fever)

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
Actinomycetes	class	Low	1760	Bacteroidales	order	High	171549
Lachnospiraceae	family	Low	186803	Pseudomonadales	order	Low	72274
Porphyromonadaceae	family	Low	171551	[Clostridium] hylemonae	species	High	89153
Ruminococcaceae	family	High	541000	Acetivibrio straminisolvans	species	Low	253314
Acetobacter	genus	High	434	Acidaminococcus intestini	species	High	187327
Acinetobacter	genus	High	469	Agathobaculum butyriciproducens	species	Low	1628085
Actinomyces	genus	High	1654	Anaerotruncus colihominis	species	High	169435
Akkermansia	genus	Low	239934	Bifidobacterium adolescentis	species	Low	1680
Aspergillus	genus	High	5052	Bifidobacterium catenulatum	species	Low	1686
Bacteroides	genus	High	816	Bifidobacterium longum	species	Low	216816
Blautia	genus	High	572511	Clostridium butyricum	species	Low	1492
Burkholderia	genus	Low	32008	Coprococcus eutactus	species	Low	33043
Clostridium	genus	High	1485	Dialister succinatiphilus	species	Low	487173
Dialister	genus	Low	39948	Enterocloster asparagiformis	species	Low	333367
Dorea	genus	High	189330	Escherichia coli	species	Low	562
Enterobacter	genus	High	547	Eubacterium xylanophilum	species	Low	39497
Enterococcus	genus	High	1350	Intestinimonas butyriciproducens	species	Low	1297617
Escherichia	genus	High	561	Lactobacillus iners	species	Low	147802
Faecalibacterium	genus	Low	216851	Mediterraneibacter gnavus	species	High	33038
Fusobacterium	genus	High	848	Moraxella catarrhalis	species	High	480
Haemophilus	genus	High	724	Muricomes intestini	species	Low	1796634
Halomonas	genus	High	2745	Murimonas intestini	species	Low	1337051
Klebsiella	genus	High	570	Oscillibacter valericigenes	species	Low	351091
Lactobacillus	genus	Low	1578	Oxalobacter formigenes	species	Low	847
Mycoplasma	genus	High	2093	Phocaeicola massiliensis	species	Low	204516
Parabacteroides	genus	High	375288	Pseudomonas aeruginosa	species	High	287
Prevotella	genus	High	838	Rothia mucilaginosa	species	Low	43675
Pseudomonas	genus	Low	286	Ruminiclostridium papyrosolvans	species	Low	29362
Pyramidobacter	genus	High	638847	Staphylococcus aureus	species	High	1280
Rothia	genus	High	508215	Streptococcus parasanguinis	species	Low	1318
Shigella	genus	High	620	Streptococcus pneumoniae	species	High	1313
Staphylococcus	genus	High	1279	Streptococcus pyogenes	species	High	1314
Zoogloea	genus	Low	349	Sutterella wadsworthensis	species	Low	40545
				Vibrio vulnificus	species	High	672

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.

Ethyl alcohol {Grain alcohol}

Ferrum {Iron Supplements} 400 mg/day

Sucralose {Splenda} 340 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.

(2->1)-beta-D-fructofuranan {Inulin}	Hordeum vulgare {Barley}
2-Methyl-5-(1-methylethyl)phenol {Carvacrol}	Lactocaseibacillus casei {L. casei}
3,3',4',5,7-pentahydroxyflavone {Quercetin}	lactobacillus acidophilus {L. acidophilus}
allium sativum {garlic}	Lactobacillus plantarum {L. plantarum}
bacillus	Limosilactobacillus fermentum {L. fermentum}
bacillus subtilis {B.Subtilis }	Metha family {Mint}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	Moringa Oleifera
bifidobacterium bifidum {B. bifidum}	oligosaccharides {oligosaccharides}
Bovine Milk Products {Dairy}	origanum vulgare {oregano}
Cinnamomum zeylanicum {Ceylon Cinnamon}	polyphenols
Curcuma longa {Turmeric}	Probiotic Mixture 1 {Japanese Vet Probiotic}
D-(-)-Fructose {Fruit sugar}	Probiotic Mixture 2 {Vetafarm Probiotic}
Diferuloylmethane {Curcumin}	Propolis {Bee glue}
fruit	Punica granatum {pomegranate}
fruit/legume fibre	rosmarinus officinalis {rosemary}
green tea	Thymus vulgaris {thyme}
Honey {Honey }	yogurt
	Zingiber officinale Roscoe {ginger}

Sample of Literature Used

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Allergic Rhinitis (Hay Fever)
Allergies
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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
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Slow gastric motility / Gastroparesis
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Systemic Lupus Erythematosus
Tic Disorder
Tourette syndrome
Type 1 Diabetes
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