

Microbiome Information for: Alzheimer's disease

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 *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

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Email: Research@MicrobiomePrescription.com

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Alzheimer's disease

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	High	1760	Monoglobus	genus	Low	2039302
Deltaproteobacteria	class	High	28221	Muribaculum	genus	High	1918540
Acidaminococcaceae	family	Low	909930	Neisseria	genus	High	482
Bifidobacteriaceae	family	High	31953	Odoribacter	genus	High	283168
Burkholderiaceae	family	High	119060	Ohtaekwangia	genus	High	1210119
Chlamydiaceae	family	High	809	Oscillibacter	genus	High	459786
Clostridiaceae	family	Low	31979	Oscillospira	genus	High	119852
Coriobacteriaceae	family	High	84107	Papillibacter	genus	Low	100175
Corynebacteriaceae	family	High	1653	Parabacteroides	genus	High	375288
Defluviitaleaceae	family	High	1185407	Paraprevotella	genus	Low	577309
Desulfovibrionaceae	family	High	194924	Peptococcus	genus	High	2740
Enterobacteriaceae	family	High	543	Phascolarctobacterium	genus	High	33024
Enterococcaceae	family	High	81852	Porphyromonas	genus	High	836
Helicobacteraceae	family	High	72293	Prevotella	genus	High	838
Lachnospiraceae	family	Low	186803	Pseudobutyrvibrio	genus	High	46205
Lactobacillaceae	family	Low	33958	Pseudomonas	genus	High	286
Oscillospiraceae	family	Low	216572	Romboutsia	genus	Low	1501226
Peptostreptococcaceae	family	Low	186804	Roseburia	genus	Low	841
Porphyromonadaceae	family	Low	171551	Rothia	genus	Low	508215
Ruminococcaceae	family	Low	541000	Ruminiclostridium	genus	Low	1508657
Staphylococcaceae	family	High	90964	Ruminococcus	genus	High	1263
Verrucomicrobiaceae	family	High	203557	Shigella	genus	High	620
Actinobacillus	genus	High	713	Slackia	genus	Low	84108
Adlercreutzia	genus	Low	447020	Sphingomonas	genus	High	13687
Agathobacter	genus	Low	1766253	Streptococcus	genus	Low	1301
Agathobaculum	genus	Low	2048137	Subdoligranulum	genus	High	292632
Akkermansia	genus	High	239934	Turicibacter	genus	Low	191303
Alternaria	genus	High	5598	Tyzzera	genus	Low	1506577
Anaerobacterium	genus	Low	1486725	Veillonella	genus	Low	29465
Bacillus	genus	High	1386	Bifidobacteriales	order	Low	85004
Bacteroides	genus	High	816	Desulfovibrionales	order	High	213115
Barnesiella	genus	High	397864	Erysipelotrichales	order	High	526525
Bifidobacterium	genus	Low	1678	Verrucomicrobiales	order	High	48461
Bilophila	genus	High	35832	[Clostridium] leptum	species	High	1535
Blautia	genus	Low	572511	[Eubacterium] siraeum	species	Low	39492
Borrelia	genus	High	138	[Ruminococcus] torques	species	Low	33039
Botrytis	genus	High	33196	Adlercreutzia equolifaciens	species	Low	446660
Brevibacterium	genus	Low	1696	Agathobacter rectalis	species	Low	39491
Butyricoccus	genus	Low	580596	Akkermansia muciniphila	species	High	239935
Candida	genus	High	5475	Alistipes indistinctus	species	High	626932
Castellaniella	genus	Low	359336	Bacillus cereus	species	High	1396

Bacteria Name	Rank	Shift	Taxonomy ID	Bacteria Name	Rank	Shift	Taxonomy ID
Catenibacterium	genus	High	135858	Bacteroides caccae	species	Low	47678
Chlamydia	genus	High	810	Bacteroides fragilis	species	High	817
Clostridium	genus	Low	1485	Bacteroides ovatus	species	High	28116
Collinsella	genus	High	102106	Bacteroides uniformis	species	High	820
Coprococcus	genus	Low	33042	Barnesiella intestinihominis	species	High	487174
Corynebacterium	genus	Low	1716	Bilophila wadsworthia	species	Low	35833
Desulfovibrio	genus	High	872	Candida albicans	species	High	5476
Dialister	genus	Low	39948	Chlamydia pneumoniae	species	High	83558
Dorea	genus	High	189330	Cutibacterium acnes	species	High	1747
Enterococcus	genus	High	1350	Dorea longicatena	species	High	88431
Escherichia	genus	High	561	Enterococcus casseliflavus	species	High	37734
Eubacterium	genus	Low	1730	Eubacterium coprostanoligenes	species	High	290054
Faecalibacterium	genus	Low	216851	Eubacterium ventriosum	species	High	39496
Flavobacterium	genus	High	237	Fusobacterium nucleatum	species	High	851
Flavonifractor	genus	Low	946234	Haemophilus parainfluenzae	species	Low	729
Fusicatenibacter	genus	Low	1407607	Helicobacter pylori	species	High	210
Fusobacterium	genus	High	848	Intestinimonas butyriciproducens	species	Low	1297617
Gemella	genus	High	1378	Lactobacillus johnsonii	species	Low	33959
Gemmiger	genus	Low	204475	Lautropia mirabilis	species	Low	47671
Haemophilus	genus	High	724	Paraprevotella clara	species	High	454154
Helicobacter	genus	High	209	Paraprevotella xylaniphila	species	High	454155
Holdemanella	genus	High	1573535	Phocaeicola plebeius	species	High	310297
Intestinibacter	genus	High	1505657	Porphyromonas gingivalis	species	High	837
Lachnospira	genus	Low	28050	Roseburia hominis	species	Low	301301
Lachnoclostridium	genus	Low	1506553	Roseburia intestinalis	species	Low	166486
Lactiplantibacillus	genus	Low	2767842	Ruminococcus callidus	species	High	40519
Lactobacillus	genus	High	1578	Streptococcus agalactiae	species	High	1311
Levilactobacillus	genus	Low	2767886	Thomasclavelia spiroformis	species	Low	29348
Malassezia	genus	High	55193	Treponema pallidum	species	High	160
Megamonas	genus	High	158846	Treponema pectinovorum	species	High	164
Mogibacterium	genus	Low	86331	Treponema socranskii	species	High	53419

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.

2-Amino-5-(carbamoylamino)pentanoic acid {Citrulline}

Abstention from eating {Fasting}

Camellia Linnaeus {camellia}

Cannabis sativa {Marijuana}

cranberry bean flour

Ethanoic acid {Vinegar}

Ethyl alcohol {Grain alcohol}

fat

Ferum {Iron Supplements} 400 mg/day

Glycine max {Doenjang}

high red meat

Litchi chinensis {lychee fruit}

Lycium barbarum x Lycium chinense, {Goji Fruit, Juice}

N-(aminoiminomethyl)-N methyl glycine {Creatine}

oolong teas

Phaseolus vulgaris {Boston bean}

Pulvis ledebouriellae compositae {Bofutsushosan}

red wine 250 ml/day

Sodium 2-stearoyllactate {sodium stearoyl lactylate}

Thiamine {Vitamin B1} 1.8 gram/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}	Lactocaseibacillus casei {L. casei}
arabinogalactan {arabinogalactan}	Lactocaseibacillus paracasei {L.paracasei}
Avena sativa x Hordeum vulgare {barley,oat}	Lactobacillus plantarum {L. plantarum}
bacillus	lactobacillus rhamnosus gg,bifidobacterium animalis lactis
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	,lactobacillus paracasei {cvs maximum strength probiotic}
Bifidobacterium animalis {B. animalis}	Limosilactobacillus reuteri {L. Reuteri}
bifidobacterium longum {B.Longum }	Propolis {Bee glue}
Bovine Milk Products {Dairy}	Prunus dulcis {Almonds}
Cichorium intybus {Chicory}	Saccharomyces cerevisiae var boulardii {S. boulardii}
Clostridium butyricum MIYAIRI 588 {Miyarisan}	soy
fruit	walnuts
fruit/legume fibre	wheat
Hordeum vulgare {Barley}	yogurt
	Zingiber officinale Roscoe {ginger}

Sample of Literature Used

The following are the most significant of the studies used to generate these suggestions.

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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
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