

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 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	Odoribacter	genus	High	283168
Bifidobacteriaceae	family	High	31953	Ohtaekwangia	genus	High	1210119
Burkholderiaceae	family	High	119060	Oscillibacter	genus	High	459786
Chlamydiaceae	family	High	809	Oscillospira	genus	High	119852
Christensenellaceae	family	High	990719	Papillibacter	genus	Low	100175
Clostridiaceae	family	Low	31979	Parabacteroides	genus	High	375288
Coriobacteriaceae	family	High	84107	Paraprevotella	genus	Low	577309
Corynebacteriaceae	family	High	1653	Peptococcus	genus	High	2740
Defluviitaleaceae	family	High	1185407	Phascolarctobacterium	genus	High	33024
Desulfovibrionaceae	family	High	194924	Porphyromonas	genus	High	836
Enterobacteriaceae	family	High	543	Prevotella	genus	High	838
Enterococcaceae	family	High	81852	Pseudobutyrvibrio	genus	High	46205
Helicobacteraceae	family	High	72293	Pseudomonas	genus	High	286
Lachnospiraceae	family	Low	186803	Romboutsia	genus	Low	1501226
Lactobacillaceae	family	Low	33958	Roseburia	genus	Low	841
Oscillospiraceae	family	Low	216572	Rothia	genus	Low	508215
Peptostreptococcaceae	family	Low	186804	Ruminiclostridium	genus	Low	1508657
Porphyromonadaceae	family	Low	171551	Ruminococcus	genus	High	1263
Ruminococcaceae	family	Low	541000	Selenomonas	genus	High	970
Staphylococcaceae	family	High	90964	Shigella	genus	High	620
Verrucomicrobiaceae	family	High	203557	Slackia	genus	Low	84108
Actinobacillus	genus	High	713	Sphingomonas	genus	High	13687
Adlercreutzia	genus	Low	447020	Streptococcus	genus	Low	1301
Agathobacter	genus	Low	1766253	Subdoligranulum	genus	High	292632
Agathobaculum	genus	Low	2048137	Turicibacter	genus	Low	191303
Aggregatibacter	genus	High	416916	Tyzzerella	genus	Low	1506577
Akkermansia	genus	High	239934	Veillonella	genus	Low	29465
Altermaria	genus	High	5598	Bifidobacteriales	order	Low	85004
Anaerobacterium	genus	Low	1486725	Desulfovibrionales	order	High	213115
Bacillus	genus	High	1386	Erysipelotrichales	order	High	526525
Bacteroides	genus	High	816	Verrucomicrobiales	order	High	48461
Barnesiella	genus	High	397864	[Clostridium] leptum	species	High	1535
Bifidobacterium	genus	Low	1678	[Eubacterium] siraeum	species	Low	39492
Bilophila	genus	High	35832	[Ruminococcus] torques	species	Low	33039
Blautia	genus	Low	572511	Adlercreutzia equolifaciens	species	Low	446660
Borrelia	genus	High	138	Agathobacter rectalis	species	Low	39491
Botrytis	genus	High	33196	Akkermansia muciniphila	species	High	239935
Brevibacterium	genus	Low	1696	Alistipes indistinctus	species	High	626932
Butyricoccus	genus	Low	580596	Anaerobutyricum hallii	species	High	39488

Bacteria Name	Rank	Shift	Taxonomy ID	Bacteria Name	Rank	Shift	Taxonomy ID
Candida	genus	High	5475	Anaerostipes hadrus	species	High	649756
Castellaniella	genus	Low	359336	Bacillus cereus	species	High	1396
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	Bifidobacterium catenulatum	species	High	1686
Desulfovibrio	genus	High	872	Bilophila wadsworthia	species	Low	35833
Dialister	genus	Low	39948	Candida albicans	species	High	5476
Dorea	genus	High	189330	Chlamydia pneumoniae	species	High	83558
Eggerthella	genus	High	84111	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	Fusobacterium nucleatum	species	High	851
Flavobacterium	genus	High	237	Haemophilus parainfluenzae	species	Low	729
Flavonifractor	genus	Low	946234	Helicobacter pylori	species	High	210
Fusicatenibacter	genus	Low	1407607	Intestinimonas butyriciproducens	species	Low	1297617
Fusobacterium	genus	High	848	Lactobacillus johnsonii	species	Low	33959
Gemella	genus	High	1378	Lautropia mirabilis	species	Low	47671
Gemmiger	genus	Low	204475	Mediterraneibacter gnavus	species	High	33038
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
Lactiplantibacillus	genus	Low	2767842	Roseburia intestinalis	species	Low	166486
Lactobacillus	genus	High	1578	Ruminococcus callidus	species	High	40519
Levilactobacillus	genus	Low	2767886	Streptococcus agalactiae	species	High	1311
Malassezia	genus	High	55193	Thomasclavelia spiroformis	species	Low	29348
Megamonas	genus	High	158846	Treponema pallidum	species	High	160
Mogibacterium	genus	Low	86331	Treponema pectinovorum	species	High	164
				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}

Dendrobium officinale Kimura {Tiepishihu}

Ethanoic acid {Vinegar}

Ethyl alcohol {Grain alcohol}

fat

Glycine max {Doenjang}

grapes

henopodium quinoa {Quinoa}

high red meat

Linum usitatissimum {Flaxseed} 30 mg/day

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}

raffinose {sugar beet}

red wine 250 ml/day

red wine polyphenols 600 mg/day

resveratrol-pterostilbene x Quercetin {quercetin x resveratrol}

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 paracasei {L.paracasei}
3,3',4',5,7-pentahydroxyflavone {Quercetin}	Lactocaseibacillus rhamnosus {l. rhamnosus}
arabinogalactan {arabinogalactan}	Lactobacillus plantarum {L. plantarum}
Avena sativa x Hordeum vulgare {barley,oat}	lactobacillus rhamnosus gg,bifidobacterium animalis lactis
bacillus	,lactobacillus paracasei {cvs maximum strength probiotic}
bacillus,lactobacillus,streptococcus,saccharomyces probiotic	Limosilactobacillus reuteri {L. Reuteri}
bifidobacterium	long-term, moderate-intensity exercise {exercise}
Bifidobacterium animalis {B. animalis}	Moringa Oleifera
bifidobacterium longum {B.Longum }	nuts
Bovine Milk Products {Dairy}	Outer Layers of Triticum aestivum {Wheat Bran}
Cichorium intybus {Chicory}	pediococcus acidilactic {RBB9 PEDIOCOCCUS ACIDILACTI}
Cinnamomum zeylanicum {Ceylon Cinnamon}	Propolis {Bee glue}
Clostridium butyricum MIYAIRI 588 {Miyarisan}	Prunus dulcis {Almonds}
Curcuma longa {Turmeric}	Rheum x hybridum {Rhubarb}
Diferuloylmethane {Curcumin}	Saccharomyces cerevisiae var boulardii {S. boulardii}
fruit	soy
fruit/legume fibre	β-glucan {Beta-Glucan}
gliadin, glutenin etc {Gluten}	Thymus vulgaris {thyme}
Hordeum vulgare {Barley}	walnuts
Lactocaseibacillus casei {L. casei}	wheat
	yogurt
	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
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