

Microbiome Information for: Chronic Fatigue Syndrome

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 *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

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Chronic Fatigue Syndrome

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
Bacteroidia	class	High	200643	Bacteroidales	order	High	171549
Bacteroidaceae	family	High	815	Eubacteriales	order	Low	186802
Barnesiellaceae	family	High	2005519	Pseudomonadales	order	High	72274
Clostridiaceae	family	High	31979	[Clostridium] scindens	species	High	29347
Lachnospiraceae	family	Low	186803	[Clostridium] symbiosum	species	High	1512
Porphyromonadaceae	family	Low	171551	Anaerobutyricum hallii	species	Low	39488
Pseudomonadaceae	family	High	135621	Anaerostipes caccae	species	High	105841
Alistipes	genus	High	239759	Bacteroides ovatus	species	High	28116
Anaerostipes	genus	Low	207244	Bacteroides uniformis	species	High	820
Atopostipes	genus	High	292480	Blautia obeum	species	Low	40520
Bacteroides	genus	High	816	Campylobacter jejuni	species	High	197
Bifidobacterium	genus	Low	1678	Clostridiales bacterium 1_7_47FAA	species	High	457421
Clostridium	genus	High	1485	Clostridiales bacterium L2-14	species	High	620860
Coprobacillus	genus	High	100883	Clostridium butyricum	species	Low	1492
Coprococcus	genus	Low	33042	Coprococcus catus	species	Low	116085
Dorea	genus	Low	189330	Coprococcus comes	species	Low	410072
Eggerthella	genus	High	84111	Dorea formicigenerans	species	Low	39486
Enterobacter	genus	High	547	Dorea longicatena	species	Low	88431
Faecalibacterium	genus	Low	216851	Eggerthella lenta	species	High	84112
Haemophilus	genus	Low	724	Enterocloster bolteae	species	High	208479
Klebsiella	genus	High	570	Faecalibacterium prausnitzii	species	Low	853
Lactobacillus	genus	Low	1578	Haemophilus parainfluenzae	species	Low	729
Leptotrichia	genus	High	32067	Odoribacter splanchnicus	species	Low	28118
Phascolarctobacterium	genus	High	33024	Parabacteroides distasonis	species	Low	823
Porphyromonas	genus	Low	836	Parabacteroides merdae	species	Low	46503
Pseudomonas	genus	High	286	Phocaeicola vulgatus	species	Low	821
Ruminococcus	genus	High	1263	Prevotella histicola	species	Low	470565
Streptococcus	genus	High	1301	Pseudoflavonifractor capillosus	species	High	106588
Turicibacter	genus	High	191303	Roseburia inulinivorans	species	Low	360807
Veillonella	genus	Low	29465	Ruminococcus gnavus	species	High	33038

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.

(-) -levobunolol hydrochloride,(prescription)
 (-)-emtricitabine,(prescription)
 (-)-eseroline fumarate salt,(prescription)
 (-)-isoproterenol hydrochloride,(prescription)
 (-)-mk 801 hydrogen maleate,(prescription)
 (+) -levobunolol hydrochloride,(prescription)
 (+)-isoproterenol (+)-bitartrate salt,(prescription)
 (+;-)-octopamine hydrochloride,(prescription)
 (+;-)-synephrine,(prescription)
 (r) -naproxen sodium salt,(prescription)
 (r)(+)-atenolol,(prescription)
 (r)-propranolol hydrochloride,(prescription)
 (s)(-)-atenolol,(prescription)
 (s)(-)-cycloserine (antibiotic)
 (s)-propranolol hydrochloride,(prescription)
 2-aminobenzenesulfonamide (antibiotic)
 2-chloropyrazine non-drug
 3-alpha-hydroxy-5-beta-androstan-17-one,(prescription)
 4-aminosalicylic acid (antibiotic)
 6-furfurylaminopurine non-drug
 abacavir sulfate,(prescription)
 acamprosate calcium,(prescription)
 acebutolol hydrochloride,(prescription)
 aceclidine hydrochloride,(prescription)
 aceclofenac,(prescription)
 acefylline,(prescription)
 acemetacin,(prescription)
 acenocoumarol,(prescription)
 acetaminophen,(prescription) Paracetamol in UK
 acetazolamide,(prescription)
 acetohexamide,(prescription)
 acetopromazine maleate salt,(prescription)
 acetylsalicylic acid,aspirin
 acetylsalicylsalicylic acid non-drug
 acipimox,(prescription)
 acitretin,(prescription)
 acyclovir,(prescription)
 adamantamine fumarate,(prescription)
 adenosine 5`-monophosphate monohydrate non-drug
 adiphenine hydrochloride,(prescription)
 adrenosterone,(prescription)
 aldometasone dipropionate,(prescription)
 alcuronium chloride,(prescription)
 alendronate sodium,(prescription)
 alfacalcidol,(prescription)
 alfadolone acetate,(prescription)
 isosorbide mononitrate,(prescription)
 isotretinoin,(prescription)
 isoxicam,(prescription)
 isoxsuprine hydrochloride,(prescription)
 isradipine,(prescription)
 itopride,(prescription)
 ketanserine tartrate hydrate,(prescription)
 ketoprofen,(prescription)
 ketorolac tromethamine,(prescription)
 ketotifen fumarate,(prescription)
 khellin non-drug
 Krill Oil 4 gram/day
 l(-)-vesamicol hydrochloride non-drug
 labetalol hydrochloride,(prescription)
 lamivudine,(prescription)
 lamotrigine,(prescription)
 lanatoside c,(prescription)
 letrozole,(prescription)
 levalbuterol hydrochloride,(prescription)
 levamisole hydrochloride,(prescription)
 levetiracetam,(prescription)
 levocabastine hydrochloride,(prescription)
 levodopa,(prescription)
 levonordefrin,(prescription)
 levopropoxyphene napsylate non-drug
 lidocaine hydrochloride,(prescription)
 liothyronine,(prescription)
 liranafate,(prescription)
 lisinopril,(prescription)
 lithocholic acid non-drug
 lofexidine,(prescription)
 loperamide hydrochloride,(prescription)
 lorglumide sodium salt non-drug
 losartan,(prescription)
 lovastatin,(prescription)
 low carbohydrate diet
 low fodmap diet
 low-fat diets
 LYMECYCLINE (ANTIBIOTIC)[CFS]
 lynestrenol,(prescription)
 macrolide ((antibiotic)s)
 maprotiline hydrochloride,(prescription)
 mebendazole,(prescription)
 mebeverine hydrochloride,(prescription)
 mebhydroline 1;5-naphthalenedisulfonate,(prescription)
 mecarnylamine hydrochloride,(prescription)

alfaxalone,(prescription)
 alfuzosin hydrochloride,(prescription)
 alizapride hcl,(prescription)
 allantoin non-drug
 allopurinol,(prescription)
 alprenolol hydrochloride,(prescription)
 alprostadiol,(prescription)
 althiazide,(prescription)
 altretamine,(prescription)
 ambrisentan,(prescription)
 ambroxol hydrochloride,(prescription)
 amcinonide,(prescription)
 amfepramone hydrochloride,(prescription)
 amidopyrine,(prescription)
 amifostine,(prescription)
 amiloride hydrochloride dihydrate,(prescription)
 aminocaproic acid,(prescription)
 aminohippuric acid,(prescription)
 aminophylline,(prescription)
 aminopurine; 6-benzyl non-drug
 amiprilose hydrochloride non-drug
 amisulpride,(prescription)
 amitriptyline hydrochloride,(prescription)
 amlodipine,(prescription)
 amphotericin b,(prescription)
 amprolium hydrochloride,(prescription)
 ampyrone non-drug
 amrinone,(prescription)
 amyleine hydrochloride,(prescription)
 anastrozole,(prescription)
 androsterone,(prescription)
 aniracetam,(prescription)
 antazoline hydrochloride,(prescription)
 antimycin a,(prescription)
 antipyrine,(prescription)
 antipyrine; 4-hydroxy non-drug
apramycin (antibiotic)s
Arbutin (polyphenol) 100 mg/day
 argatroban,(prescription)
 artemisinin,(prescription)
 artocaine hydrochloride,(prescription)
 asenapine maleate,(prescription)
 atractyloside potassium salt non-drug
 atracurium besylate,(prescription)
 atropine sulfate monohydrate,(prescription)
 azacyclonol,(prescription)
 azacytidine-5,(prescription)
 azaperone,(prescription)
 azapropazone,(prescription)
 azathioprine,(prescription)
 azelastine hcl,(prescription)
 baclofen (r;s),(prescription)
 balsalazide sodium,(prescription)
 bambuterol hydrochloride,(prescription)
 beclomethasone dipropionate,(prescription)
 bemegride,(prescription)
 benazepril hcl,(prescription)
 bendroflumethiazide,(prescription)
 meclofenoxate hydrochloride,(prescription)
 meclozine dihydrochloride,(prescription)
 medrysone,(prescription)
 mefenamic acid,(prescription)
 mefexamide hydrochloride,(prescription)
 meggestrol acetate,(prescription)
 meglumine,(prescription)
melatonin supplement 10 mg/day
melengestrol acetate non-drug
 meloxicam,(prescription)
 memantine hydrochloride,(prescription)
 mepenzolate bromide,(prescription)
 mephenesin,(prescription)
 mephentermine hemisulfate,(prescription)
 mephenytoin,(prescription)
 mepivacaine hydrochloride,(prescription)
 meprylcaine hydrochloride,(prescription)
 meptazinol hydrochloride,(prescription)
 mesalamine,(prescription)
 mesna,(prescription)
 mesoridazine besylate,(prescription)
 metaproterenol sulfate; orciprenaline sulfate,(prescription)
 metamaminol bitartrate,(prescription)
 methacholine chloride,(prescription)
 methapyrilene hydrochloride,(prescription)
 methazolamide,(prescription)
methenamine (antibiotic)
 methiazole,(prescription)
 methimazole,(prescription)
 methocarbamol,(prescription)
 methotrimeprazine maleat salt,(prescription)
 methoxamine hydrochloride,(prescription)
 methylatropine nitrate,(prescription)
 methyldopa (l;-),(prescription)
 methyldopate hydrochloride,(prescription)
 methylergometrine maleate,(prescription)
methylhydantoin-5-(d) non-drug
methylhydantoin-5-(l) non-drug
 methylprednisolone; 6-alpha,(prescription)
 meticrane,(prescription)
 metodopramide monohydrochloride,(prescription)
 metolazone,(prescription)
 metoprolol-(+;-) (+)-tartrate salt,(prescription)
 metrizamide,(prescription)
 metyrapone,(prescription)
mevalonic-d; l acid lactone non-drug
 mevastatin,(prescription)
 mexiletine hydrochloride,(prescription)
 mianserine hydrochloride,(prescription)
 midodrine hydrochloride,(prescription)
 mifepristone,(prescription)
 miglitol,(prescription)
 milrinone,(prescription)
 minaprine dihydrochloride,(prescription)
 minoxidil,(prescription)
 mirtazapine,(prescription)
 misoprostol,(prescription)
 mitotane,(prescription)

benfluorex hydrochloride,(prescription)
 benfotiamine,(prescription) 900 mg/day
 benoxinate hydrochloride,(prescription)
 benperidol,(prescription)
 benserazide hydrochloride non-drug
 benzamil hydrochloride,(prescription)
 benzbromarone,(prescription)
 benzocaine,(prescription)
 benzonatate,(prescription)
 benzthiazide,(prescription)
 benztropine mesylate,(prescription)
 benzydamine hydrochloride,(prescription)
 bethovenium hydroxynaphthoate,(prescription)
berberine 1.5 gram/day
 beta-escin non-drug
 betahistine mesylate,(prescription)
 betamethasone,(prescription)
 betazole hydrochloride,(prescription)
 bethanechol chloride,(prescription)
 bezafibrate,(prescription)
 bicalutamide,(prescription)
bifidobacterium pseudocatenulatum li09,bifidobacterium catenulatum li10 (probiotics)
 biperiden hydrochloride,(prescription)
 bisacodyl,(prescription)
 bisoprolol fumarate,(prescription)
 bosentan,(prescription)
 bretylium tosylate,(prescription)
 brinzolamide,(prescription)
 bromhexine hydrochloride,(prescription)
 bromocryptine mesylate,(prescription)
 bromopride,(prescription)
 bromperidol,(prescription)
 brompheniramine maleate,(prescription)
 bucladesine sodium salt,(prescription)
 budesonide,(prescription)
 bufexamac,(prescription)
 buflomedil hydrochloride,(prescription)
 bumetanide,(prescription)
 bupivacaine hydrochloride,(prescription)
 bupropion hydrochloride,(prescription)
 buspirone hydrochloride,(prescription)
 busulfan,(prescription)
 butacaine,(prescription)
 butalbital,(prescription)
 butamben,(prescription)
 butylparaben non-drug
 butylscopolammonium (n-) bromide,(prescription)
 calcipotriene,(prescription)
 camptothecin (s;+) non-drug
 camylofine chlorhydrate,(prescription)
 candesartan,(prescription)
 canrenic acid potassium salt,(prescription)
 canrenone,(prescription)
 captopril,(prescription)
 carbachol,(prescription)
 carbamazepine,(prescription)
 carbarsone non-drug
 mizolastine,(prescription)
 moclobemide,(prescription)
 modafinil,(prescription)
 molindone hydrochloride,(prescription)
 molsidomine,(prescription)
 monobenzene,(prescription)
 morantel tartrate,(prescription)
 moroxidine hydrochloride,(prescription)
morpholinoethylamino-3-benzocyclohepta-(5;6-c)-pyridazine dihydrochloride non-drug
 moxisylyte hydrochloride,(prescription)
 moxonidine,(prescription)
n6-methyladenosine non-drug
 nabumetone,(prescription)
 n-acetyl-dl-homocysteine thiolactone,(prescription)
 n-acetyl-L-leucine,(prescription)
nadide non-drug
 nadolol,(prescription)
 nafronyl oxalate,(prescription)
 naftifine hydrochloride,(prescription)
 naftopidil dihydrochloride,(prescription)
 nalbuphine hydrochloride,(prescription)
 nalmeferene hydrochloride,(prescription)
 naloxone hydrochloride,(prescription)
 naltrexone hydrochloride dihydrate,(prescription)
 nandrolone,(prescription)
 naphazoline hydrochloride,(prescription)
 naproxen,(prescription)
 nefazodone hcl,(prescription)
 nefopam hydrochloride,(prescription)
NEOMYCIN (ANTIBIOTIC)S[CFS]
 neostigmine bromide,(prescription)
 nialamide,(prescription)
 nicardipine hydrochloride,(prescription)
 nicergoline,(prescription)
 nicorandil,(prescription)
 nicotinamide,(prescription) 6 gram/day
 nifedipine,(prescription)
 nifenazone,(prescription)
 niflumic acid,(prescription)
 nilutamide,(prescription)
 nilvadipine,(prescription)
 nimesulide,(prescription)
 nimodipine,(prescription)
 nisoldipine,(prescription)
nisoxetine hydrochloride non-drug
 nitrendipine,(prescription)
nitrocaramiphen hydrochloride non-drug
nitrofurantoin (antibiotic)
 nizatidine,(prescription)
 nocodazole,(prescription)
 nomegestrol acetate,(prescription)
 nomifensine maleate,(prescription)
 norcyclobenzaprine,(prescription)
 norethindrone,(prescription)
 norethynodrel,(prescription)
 norgestimate,(prescription)
 norgestrel(-)-d,(prescription)

carbenoxolone disodium salt,(prescription)
 carbetapentane citrate,(prescription)
 carbidopa non-drug
 carbimazole,(prescription)
 carbinoxamine maleate salt,(prescription)
 carboxymethyl cellulose (prebiotic)
 carisoprodol,(prescription)
 carprofen,(prescription)
 carteolol hydrochloride,(prescription)
 catharanthine,(prescription)
 cefadroxil (antibiotic)
 celecoxib,(prescription)
 celiprolol hcl,(prescription)
 cetirizine dihydrochloride,(prescription)
 chemotherapy (prescription)
 chenodiol,(prescription)
 chlorambucil,(prescription)
 chlorcyclizine hydrochloride,(prescription)
 chlormadinone acetate,(prescription)
 chlormezanone,(prescription)
 chloropyramine hydrochloride,(prescription)
CHLOROQUINE DIPHOSPHATE,(PRESCRIPTION)[CFS]
 chlorothiazide,(prescription)
 chlorpheniramine maleate,(prescription)
 chlorphensin carbamate,(prescription)
 chlorpropamide,(prescription)
 chlorthalidone,(prescription)
 chlorzoxazone,(prescription)
 ciclopirox ethanolamine,(prescription)
 cilostazol,(prescription)
 cimetidine,(prescription)
 cinnarizine,(prescription)
 cinoxacin (antibiotic)
 ciprofibrate,(prescription)
 cisapride,(prescription)
 citalopram hydrobromide,(prescription)
 cladribine,(prescription)
 clebopride maleate,(prescription)
 clemastine fumarate,(prescription)
 clenbuterol hydrochloride,(prescription)
 didinium bromide,(prescription)
 clobetasol propionate,(prescription)
 clobutinol hydrochloride,(prescription)
 clocortolone pivalate,(prescription)
 clodronate,(prescription)
 clofibrate,(prescription)
 clofibric acid non-drug
 clofillium tosylate,(prescription)
 domipramine hydrochloride,(prescription)
 clonidine hydrochloride,(prescription)
 clopamide,(prescription)
 cloperastine hydrochloride,(prescription)
 clorgyline hydrochloride,(prescription)
 clorsulon,(prescription)
 clozapine,(prescription)
 colchicine,(prescription)
 corticosterone non-drug
 cortisol acetate,(prescription)
 nortriptyline hydrochloride,(prescription)
 nuts
 nylidrin,(prescription)
 nystatine,(prescription)
 olmesartan,(prescription)
 olopatadine hydrochloride,(prescription)
 ondansetron hydrochloride,(prescription)
 opipramol dihydrochloride,(prescription)
 orphenadrine hydrochloride,(prescription)
 oxalamine citrate salt,(prescription)
 oxandrolone,(prescription)
 oxantel pamoate,(prescription)
 oxcarbazepine,(prescription)
 oxfendazol,(prescription)
 oxibendazol,(prescription)
 oxolinic acid (antibiotic)
 oxprenolol hydrochloride,(prescription)
 oxybenzone non-drug
 oxybutynin chloride,(prescription)
 oxymetazoline hydrochloride,(prescription)
 oxyphenbutazone,(prescription)
 ozagrel hydrochloride,(prescription)
 paclitaxel,(prescription)
 pancuronium bromide,(prescription)
 panthenol (d),(prescription)
 papaverine hydrochloride,(prescription)
 pargyline hydrochloride,(prescription)
 paromomycin (antibiotic)s
 paroxetine hydrochloride,(prescription)
 parthenolide non-drug
 pefloxacin (antibiotic)
 pempidine tartrate,(prescription)
 penbutolol sulfate,(prescription)
 penciclovir,(prescription)
 penicillamine,(prescription)
 pentetic acid non-drug
 pentobarbital,(prescription)
 pentolinium bitartrate,(prescription)
 pentoxifylline,(prescription)
 pentylenetetrazole,(prescription)
 pepstatin a non-drug
 pergolide mesylate,(prescription)
 perindopril,(prescription)
 perphenazine,(prescription)
 phenacetin,(prescription)
 phenazopyridine hydrochloride,(prescription)
 phenelzine sulfate,(prescription)
 phenformin hydrochloride,(prescription)
 phenindione,(prescription)
 pheniramine maleate,(prescription)
 phenoxybenzamine hydrochloride,(prescription)
 phensuximide,(prescription)
 phentermine hydrochloride,(prescription)
 phentolamine hydrochloride,(prescription)
 phenylbutazone,(prescription)
 phenylpropanolamine hydrochloride,(prescription)
 phthalylsulfathiazole (antibiotic)
 picotamide monohydrate,(prescription)

cortisone,(prescription)
 cromolyn disodium salt,(prescription)
 crotamiton,(prescription)
 cyclizine hydrochloride,(prescription)
 cycloheximide non-drug
 cyclopenthiiazide,(prescription)
 cyclopentolate hydrochloride,(prescription)
 cyclophosphamide,(prescription)
 cyproheptadine hydrochloride,(prescription)
 cyproterone acetate,(prescription)
 cytarabine,(prescription)
 dacarbazine,(prescription)
 danazol,(prescription)
DAPSONE (ANTIBIOTIC)[CFS]
 darifenacin hydrobromide,(prescription)
d-cycloserine (antibiotic)
 debrisoquin sulfate,(prescription)
 decamethonium bromide,(prescription)
 deferoxamine mesylate,(prescription)
 deflazacort,(prescription)
 dehydrocholic acid non-drug
 dehydroisoandrosterone 3-acetate,(prescription)
 demecarium bromide,(prescription)
 denatonium benzoate non-drug
 deoxycorticosterone,(prescription)
 depropine citrate,(prescription)
 desipramine hydrochloride,(prescription)
 desloratadine,(prescription)
 dexamethasone acetate,(prescription)
 dexfenfluramine hydrochloride,(prescription)
 dextromethorphan hydrobromide monohydrate,(prescription)
 diazoxide,(prescription)
 dibenzepine hydrochloride,(prescription)
 dibucaine,(prescription)
 dichlorphenamide,(prescription)
 diclofenac sodium,(prescription)
 dicyclomine hydrochloride,(prescription)
 didanosine,(prescription)
 diethylcarbamazine citrate,(prescription)
 diflorasone diacetate,(prescription)
 digtoxinigenin,(prescription)
 digoxigenin non-drug
 digoxin,(prescription)
 dihydroergotamine tartrate,(prescription)
dihydrostreptomycin sulfate (antibiotic)
 dilazep dihydrochloride,(prescription)
 diloxanide furoate,(prescription)
 diltiazem hydrochloride,(prescription)
 dimaprit dihydrochloride non-drug
 dimenhydrinate,(prescription)
 dimethadione,(prescription)
 dimethisoquin hydrochloride,(prescription)
 dinoprost trometamol,(prescription)
 diosmin,(polyphenol) 1500 mg/day
 dioxybenzone non-drug
 dipiperodon hydrochloride non-drug
 diphemanil methylsulfate,(prescription)
 diphenhydramine hydrochloride,(prescription)
picrotoxinin non-drug
 pilocarpine nitrate,(prescription)
 pinacidil,(prescription)
 pindolol,(prescription)
 pioglitazone,(prescription)
pipemidic acid (antibiotic)
 pipenzolate bromide,(prescription)
piperacetazine non-drug
 piperidolate hydrochloride,(prescription)
pirenperone non-drug
 pirenzepine dihydrochloride,(prescription)
 piretanide,(prescription)
 piribedil hydrochloride,(prescription)
 pirlindole mesylate,(prescription)
piromidic acid (antibiotic)
 piroxicam,(prescription)
pivmecillinam hydrochloride (antibiotic)
 pizotifen malate,(prescription)
 podophyllotoxin,(prescription)
 practolol,(prescription)
 pralidoxime chloride,(prescription)
 pramipexole,(prescription)
 pramoxine hydrochloride,(prescription)
 pranlukast,(prescription)
 pranoprofen,(prescription)
 pravastatin,(prescription)
 praziquantel,(prescription)
 prazosin hydrochloride,(prescription)
 prednicarbate,(prescription)
 prednisolone,(prescription)
pregnenolone non-drug
 prenylamine lactate,(prescription)
 pridinol methanesulfonate salt,(prescription)
 prilocaine hydrochloride,(prescription)
 primaquine diphosphate,(prescription)
 primidone,(prescription)
proadifen hydrochloride non-drug
 probenecid,(prescription)
 probucol,(prescription)
 procainamide hydrochloride,(prescription)
 procaine hydrochloride,(prescription)
 procarbazine hydrochloride,(prescription)
 procyclidine hydrochloride,(prescription)
 progesterone,(prescription)
 proglumide,(prescription)
 proguanil hydrochloride,(prescription)
pronethalol hydrochloride non-drug
 propafenone hydrochloride,(prescription)
 propantheline bromide,(prescription)
 proparacaine hydrochloride,(prescription)
 propofol,(prescription)
 propoxycaine hydrochloride,(prescription)
 propylthiouracil,(prescription)
 proscillaridin a,(prescription)
prothionamide (antibiotic)
 protriptyline hydrochloride,(prescription)
 pyrantel tartrate,(prescription)
pyrazinamide (antibiotic)

diphenidol hydrochloride,(prescription)
 diphenylpyraline hydrochloride,(prescription)
 dipivefrin hydrochloride,(prescription)
 diprophylline,(prescription)
 dipyridamole,(prescription)
 dipyrone,(prescription)
 disopyramide,(prescription)
 disulfiram,(prescription)
 dizocilpine maleate,(prescription)
 do 897/99 non-drug
 dobutamine hydrochloride,(prescription)
 docetaxel,(prescription)
 dolasetron mesilate,(prescription)
 domperidone,(prescription)
 dorzolamide hydrochloride,(prescription)
 dosulepin hydrochloride,(prescription)
 doxepin hydrochloride,(prescription)
 doxofylline,(prescription)
 doxylamine succinate,(prescription)
 drofenine hydrochloride,(prescription)
 droperidol,(prescription)
 dropropizine (r,s),(prescription)
 dyclonine hydrochloride,(prescription)
 dydrogesterone,(prescription)
 ebumamonine (-),(prescription)
 edrophonium chloride,(prescription)
 emedastine,(prescription)
 enalapril maleate,(prescription)
 enoxacin (antibiotic)
 epiandrosterone,(prescription)
 epirizole,(prescription)
 epitiostandol,(prescription)
 equilin,(prescription)
 erlotinib,(prescription)
 escitalopram,(prescription)
 eserine hemisulfate salt,(prescription)
 esmolol hydrochloride,(prescription)
 estradiol-17 beta,(prescription)
 estriol,(prescription)
 estrone,(prescription)
 estropipate,(prescription)
 etanidazole,(prescription)
 ethacrynic acid,(prescription)
 ethambutol dihydrochloride (antibiotic)
 ethamivan,(prescription)
 ethamsylate,(prescription)
 ethinylestradiol,(prescription)
 ethionamide (antibiotic)
 ethisterone,(prescription)
 ethosuximide,(prescription)
 ethotoin,(prescription)
 ethoxyquin non-drug
 ethynodiol diacetate,(prescription)
 ethynylestradiol 3-methyl ether,(prescription)
 etidronic acid; disodium salt,(prescription)
 etifenin,(prescription)
 etilefrine hydrochloride,(prescription)
 etodolac,(prescription)
 pyridostigmine iodide,(prescription)
 pyrilamine maleate,(prescription)
 pyrithidione,(prescription)
 quetiapine hemifumarate,(prescription)
 quinapril hcl,(prescription)
 quinethazone,(prescription)
 quinidine hydrochloride monohydrate,(prescription)
 quipazine dimaleate salt non-drug
 r(-) apomorphine hydrochloride hemihydrate,(prescription)
 racecadotril,(prescription)
 Racetams 24 gram/day
 ractopride non-drug
 raloxifene hydrochloride,(prescription)
 ramipril,(prescription)
 ranitidine hydrochloride,(prescription)
 ranolazine,(prescription)
 rebamipide,(prescription)
 reboxetine mesylate,(prescription)
 red alga Laurencia tristicha
 remoxipride hydrochloride,(prescription)
 repaglinide,(prescription)
 reserpine,(prescription)
 retinoic acid,(Vitamin A derivative)
 ribavirin,(prescription)
 ribostamycin sulfate salt (antibiotic)
 rifampicin (antibiotic)s
 riluzole hydrochloride,(prescription)
 rimantadine hydrochloride,(prescription)
 rimexolone,(prescription)
 risperidone,(prescription)
 ritodrine hydrochloride,(prescription)
 rivastigmine,(prescription)
 rofecoxib,(prescription)
 rolipram non-drug
 ropinirole hcl,(prescription)
 rosiglitazone hydrochloride,(prescription)
 roxatidine acetate hcl,(prescription)
 s(-)eticlopride hydrochloride non-drug
 saccharin 450 mg/day
 salbutamol,(prescription)
 salmeterol,(prescription)
 scopolamine hydrochloride,(prescription)
 scopolamin-n-oxide hydrobromide,(prescription)
 selegiline hydrochloride,(prescription)
 serotonin hydrochloride non-drug
 sertraline,(prescription)
 sibutramine hcl,(prescription)
 sildenafil,(prescription)
 simvastatin,(prescription)
 sisomicin sulfate (antibiotic)
 smoking
 sotalol hydrochloride,(prescription)
 spaglumic acid,(prescription)
 spectinomycin dihydrochloride (antibiotic)
 spironolactone,(prescription)
 stavudine,(prescription)
 streptozotocin,(prescription)
 succinylsulfathiazole (antibiotic)

etofenamate,(prescription)
 etofylline,(prescription)
 etomidate,(prescription)
 etoricoxib,(prescription)
 etretinate,(prescription)
 eucatropine hydrochloride non-drug
 exemestane,(prescription)
 famciclovir,(prescription)
 famprofazone,(prescription)
 felbinac,(prescription)
 fenbendazole,(prescription)
 fenbufen,(prescription)
 fenipentol,(prescription)
 fenofibrate,(prescription)
 fenoprofen calcium salt dihydrate,(prescription)
 fenoterol hydrobromide,(prescription)
 fenspiride hydrochloride,(prescription)
 fentiazac,(prescription)
 fexofenadine hcl,(prescription)
 finasteride,(prescription)
 fipexide hydrochloride,(prescription)
 flavoxate hydrochloride,(prescription)
 flecainide acetate,(prescription)
floxacin (antibiotic)
 floxuridine,(prescription)
 flubendazol,(prescription)
 fluconazole,(prescription)
 fludarabine,(prescription)
 fludrocortisone acetate,(prescription)
flumequine (antibiotic)
 flumethasone,(prescription)
 flunarizine dihydrochloride,(prescription)
 flunisolide,(prescription)
 flunixin meglumine,(prescription)
 fluocinolone acetonide,(prescription)
 fluocinonide,(prescription)
fluorine
 fluorometholone,(prescription)
 fluoxetine hydrochloride,(prescription)
 flurandrenolide,(prescription)
 flurbiprofen,(prescription)
 fluspirilen,(prescription)
 flutamide,(prescription)
 fluticasone propionate,(prescription)
 fluvastatin sodium salt,(prescription)
 fluvoxamine maleate,(prescription)
 folinic acid calcium salt,(prescription)
 fomepizole,(prescription)
 formestane,(prescription)
 fosfosal,(prescription)
 fosinopril,(prescription)
 fulvestrant,(prescription)
 furosemide,(prescription)
 fursultiamine hydrochloride non-drug
 gabapentin,(prescription)
 gabazine bromide non-drug
 gabexate mesilate non-drug
 galanthamine hydrobromide,(prescription)
sulfabenzamide
sulfacetamide sodic hydrate (antibiotic)
 sulfachloropyridazine,(prescription)
sulfadiazine (antibiotic)
sulfadimethoxine (antibiotic)
 sulfadoxine,(prescription)
sulfaguanidine (antibiotic)
sulfamerazine (antibiotic)
sulfameter (antibiotic)
sulfamethazine sodium salt (antibiotic)
sulfamethizole (antibiotic)
sulfamethoxazole (antibiotic)
sulfamethoxyipyridazine (antibiotic)
 sulfamonomethoxine,(prescription)
sulfanilamide (antibiotic)
sulfaphenazole (antibiotic)
sulfapyridine (antibiotic)
 sulfaquinoxaline sodium salt,(prescription)
 sulfasalazine,(prescription)
sulfathiazole (antibiotic)
 sulfinpyrazone,(prescription)
sulfisoxazole (antibiotic)
 sulindac,(prescription)
sulmazole non-drug
 sulpiride,(prescription)
 sumatriptan succinate,(prescription)
 suprofen,(prescription)
 suxibuzone,(prescription)
 tacrine hydrochloride,(prescription)
 telnezepine dihydrochloride,(prescription)
 telmisartan,(prescription)
 tenoxicam,(prescription)
 terazosin hydrochloride,(prescription)
 terbutaline hemisulfate,(prescription)
 terconazole,(prescription)
 testosterone propionate,(prescription)
 tetracaine hydrochloride,(prescription)
tetraethylenepentamine pentahydrochloride non-drug
tetrahydroxy-1;4-quinone monohydrate non-drug
 tetrahydrozoline hydrochloride,(prescription)
 tetramisole hydrochloride,(prescription)
 thalidomide,(prescription)
 Theobromine (in food)
 theophylline monohydrate,(prescription)
 thiocolchicoside,(prescription)
 thioguanosine,(prescription)
thioperamide maleate non-drug
 thioproperazine dimesylate,(prescription)
 thiorphan,(prescription)
thip hydrochloride non-drug
 tiabendazole,(prescription)
 tiapride hydrochloride,(prescription)
 tiaprofenic acid,(prescription)
 tibolone,(prescription)
 tidopidine hydrochloride,(prescription)
 tiletamine hydrochloride,(prescription)
 timolol maleate salt,(prescription)
 tiratricol, 3,3',5-triiodothyroacetic acid,(prescription)

gallamine triethiodide,(prescription)
 ganciclovir,(prescription)
 gbr 12909 dihydrochloride,(prescription)
 gemcitabine,(prescription)
 gemfibrozil,(prescription)
 gestrinone,(prescription)
 glafenine hydrochloride,(prescription)
 glibenclamide,(prescription)
 gliclazide,(prescription)
 glimepiride,(prescription)
 glipezide,(prescription)
 gliquidone,(prescription)
 gluten-free diet
 glutethimide; para-amino,(prescription)
 glycopyrrolate,(prescription)
 granisetron,(prescription)
 griseofulvin,(prescription)
 guaifenesin,(prescription)
 guanabenz acetate,(prescription)
 guanadrel sulfate,(prescription)
 guanethidine sulfate,(prescription)
 guanfacine hydrochloride,(prescription)
 halcinonide,(prescription)
 halofantrine hydrochloride,(prescription)
 haloperidol,(prescription)
 haloproglin,(prescription)
 hemicholinium bromide non-drug
 heptaminol hydrochloride,(prescription)
 Hesperidin (polyphenol) 1.5 gram/day
 hexamethonium dibromide dihydrate non-drug
 hexylcaine hydrochloride,(prescription)
 high-fat diets
 high-protein diet
 homatropine hydrobromide (r,s),(prescription)
 homochlorcyclizine dihydrochloride,(prescription)
 homosalate non-drug
 hydralazine hydrochloride,(prescription)
 hydrochlorothiazide,(prescription)
 hydroflumethiazide,(prescription)
 hydroxychloroquine sulfate,(prescription)
 hydroxytacrine maleate (r,s),(prescription)
 hydroxyzine dihydrochloride,(prescription)
 hymecromone,(prescription)
 ibandronate sodium,(prescription)
 ibudilast,(prescription)
 ibuprofen
 ibutilide fumarate,(prescription)
 idazoxan hydrochloride non-drug
 idebenone,(prescription)
 idoxuridine,(prescription)
 ifenprodil tartrate,(prescription)
 ifosfamide,(prescription)
 imatinib,(prescription)
 imidurea non-drug
 imipramine hydrochloride,(prescription)
 imiquimod,(prescription)
 indapamide,(prescription)
 indomethacin,(prescription)
 tizanidine hcl,(prescription)
 tobramycin (antibiotic)
 tocainide hydrochloride,(prescription)
 todralazine hydrochloride non-drug
 tolazamide,(prescription)
 tolazoline hydrochloride,(prescription)
 tolbutamide,(prescription)
 tolmetin sodium salt dihydrate,(prescription)
 tomoxetine hydrochloride,(prescription)
 topiramate,(prescription)
 topotecan,(prescription)
 torsemide,(prescription)
 tracazolate hydrochloride non-drug
 tramadol hydrochloride,(prescription)
 tranexamic acid,(prescription)
 tranilast,(prescription)
 tranylcypromine hydrochloride,(prescription)
 trapidil,(prescription)
 trazodone hydrochloride,(prescription)
 tremorine dihydrochloride non-drug
 triamcinolone,(prescription)
 triamterene,(prescription)
 tribenoside,(prescription)
 Tributyrin
 trichlorfon,(prescription)
 trichlormethiazide,(prescription)
 triclosan
 tridihexethyl chloride,(prescription)
 triflupromazine hydrochloride,(prescription)
 triflusal,(prescription)
 trihexyphenidyl-d;l hydrochloride,(prescription)
 trimetazidine dihydrochloride,(prescription)
 trimethadione,(prescription)
 trimethobenzamide hydrochloride,(prescription)
 trimipramine maleate salt,(prescription)
 trioxsalen,(prescription)
 tripeleppamine hydrochloride,(prescription)
 triprolidine hydrochloride,(prescription)
 trolox non-drug
 tropicamide,(prescription)
 tropisetron hcl,(prescription)
 tulobuterol,(prescription)
 tyloxapol,(prescription)
 urapidil hydrochloride,(prescription)
 urosiol,(prescription)
 valacyclovir hydrochloride,(prescription)
 valproic acid,(prescription)
 vatalanib,(prescription)
 vegetarians
 venlafaxine,(prescription)
 verapamil hydrochloride,(prescription)
 vidarabine,(prescription)
 vigabatrin,(prescription)
 viloxazine hydrochloride,(prescription)
 vincamine,(prescription)
 vinpocetine,(prescription) 60 mg/day
 viomycin sulfate (antibiotic)
 Vitamin B1,thiamine hydrochloride 1.8 gram/day

indoprofen,(prescription)
iobenguane sulfate,(prescription)
iodipamide,(prescription)
iodixanol,(prescription)
iopamidol,(prescription)
iopromide,(prescription)
ioversol,(prescription)
ioxaglic acid,(prescription)
iproniazide phosphate,(prescription)
ipsapirone non-drug
irinotecan hydrochloride trihydrate,(prescription)
irsogladine maleate,(prescription)
isocarboxazid,(prescription)
isoetharine mesylate salt,(prescription)
isoflupredone acetate,(prescription)
isometheptene mucate,(prescription)
isoniazid (antibiotic)
isopropamide iodide,(prescription)
isopyrin hydrochloride non-drug
isoquinoline; 6;7-dimethoxy-1-methyl-1;2;3;4-tetrahydro;
hydrochloride non-drug

Vitamin B6,pyridoxine hydrochloride 200 mg/day
vitamin B7, biotin 300 mg/day
Vitamin B9,folic acid 5 mg/day
voriconazole,(prescription)
vorinostat,(prescription)
warfarin,(prescription)
xamoterol hemifumarate,(prescription)
xylazine,(prescription)
xylometazoline hydrochloride,(prescription)
yohimbine hydrochloride,(prescription)
zalcitabine,(prescription)
zaleplon,(prescription)
zaprinast non-drug
zardaverine non-drug
zidovudine; azt,(prescription)
zimeclidine dihydrochloride monohydrate,(prescription)
zomepirac sodium salt,(prescription)
zonisamide,(prescription)
zopiclone,(prescription)
zoxazolamine non-drug

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.

apple	lactobacillus paracasei (probiotics)
arabinogalactan (prebiotic)	lactobacillus plantarum (probiotics)
bacillus subtilis (probiotics)	lactulose
Cacao	oregano (origanum vulgare, oil)
ciprofloxacin (antibiotic)s[CFS]	raffinose(sugar beet)
fructo-oligosaccharides (prebiotic)	resistant starch
gentamicin (antibiotic)s	resveratrol (grape seed/polyphenols/red wine)
high fiber diet	rosmarinus officinalis, rosemary
Human milk oligosaccharides (prebiotic, Holigos, Stachyose)	soy
inulin (prebiotic)	wheat
lactobacillus casei (probiotics)	wheat bran
	whey

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Ankylosing spondylitis
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Antiphospholipid syndrome (APS)
Asthma
Atherosclerosis
Autism
Autoimmune Disease
Barrett esophagus cancer
Bipolar Disorder
Brain Trauma
Carcinoma
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
Colorectal Cancer
Constipation
Coronary artery disease
COVID-19
Crohn's Disease
cystic fibrosis
deep vein thrombosis
Depression
Dermatomyositis
Eczema
Endometriosis
Eosinophilic Esophagitis
Epilepsy
Fibromyalgia
Functional constipation / chronic idiopathic constipation
gallstone disease (gsd)
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus
Generalized anxiety disorder
Gout
Graves' disease
Hashimoto's thyroiditis

Hidradenitis Suppurativa
Histamine Issues From Ubiome
Histamine Issues, Mast Cell Issue, DAO Insufficiency
hypercholesterolemia (High Cholesterol)
hyperglycemia
Hyperlipidemia (High Blood Fats)
hypersomnia
hypertension (High Blood Pressure)
Hypoxia
IgA nephropathy (IgAN)
Inflammatory Bowel Disease
Insomnia
Intelligence
Irritable Bowel Syndrome
Juvenile idiopathic arthritis
Liver Cirrhosis
Long COVID
Lung Cancer
ME/CFS with IBS
ME/CFS without IBS
Menopause
Metabolic Syndrome
Mood Disorders
Multiple Sclerosis
Multiple system atrophy (MSA)
Neuropathy (all types)
neuropsychiatric disorders (PANDAS, PANS)
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic
NonCeliac Gluten Sensitivity
Obesity
obsessive-compulsive disorder
Osteoarthritis
Osteoporosis
Parkinson's Disease
Postural orthostatic tachycardia syndrome
Premenstrual dysphoric disorder
Psoriasis
rheumatoid arthritis (RA), Spondyloarthritis (SpA)
Rosacea
Schizophrenia
Sjögren syndrome
Sleep Apnea
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