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# Good Greens

Healthy soul food recipe

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## Healthcare Deserts And Healthcare Trailing The barriers Gan Americans in th

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### Supplement Facts

erving Size: 2 Softgels ervings Per Container: 15		
	Amount Per Serving	%D
alories	15	
otal Fat	1.5 g	2%
holesterol	5 mg	2%
sh Oil Concentrate Blend <sup>s1</sup>	1.320 g	* *
Total Omega-3 Fatty Acids	884 mg	
EPA (eicosapentaenoic acid)	594 mg	
DHA (docosahexaenoic acid)	264 mg	
road Spectrum Hemp Extract (flowers and/	or leaves) 78.58 mg	**
Total Phytocannabinoids	<sup>′</sup> 52.5 mg	

alues are based on a 2.000 calorie diet Daily Value (DV) not established

Other Ingredients: Softgel (bovine gelatin, glycerin, purified water, and roasted carob powder), GRAS enteric coating (ethylcellulose, sodium alginate, purified water, ammonium hydroxide, medium chain-triglycerides, oleic acid, and vegetable stearic acid), terpene blend (beta-carophyllene, D-limonene, alpha-pinene, linalool, alpha-terpineol) and natural mixed tocopherols. Contains: Fish (anchovy, sardine, and/or mackerel).

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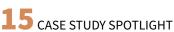
Substituting low-fat meat and reducing sodium keeps this greens dish tasty and good for your health.

### Dear Readers,

WholeScripts magazine is your resource for the health and wellness stories you care about. Whether you are a regular user of nutritional and herbal supplements or new to integrative health care, we're here to support you on your quest for good health.

To that end, we are happy to announce that we've been tirelessly working on partnerships with quality brands such as Allergy Research Group, Biocidin, Nordic Naturals, ProLon, and Quicksilver Scientific, just to name a few, and soon we will reach a high point of 100 brands available on WholeScripts.

Also, we are fast approaching the launch of WholeScripts Pharmacy, which will make taking your prescription medication and nutritional supplements convenient, effortless, and less expensive too! Check with your practitioner about how to get your



### A NATURAL APPROACH TO BLOOD SUGAR MANAGEMENT

One patient successfully lowered his blood sugar with diet changes and supplements.

—Chad Krier, ND, DC



### YOU OUGHTA DO TABATA

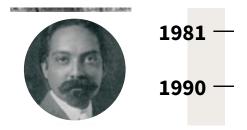
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#### **Publisher's Statement:**

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Sincerely,

**Brian Blackburn Sr** CEO and Founder, WholeScripts



prescriptions sent to WholeScripts, and follow us on Instagram and Facebook @WholeScripts to learn more details.

We hope you'll continue working with your integrative health care practitioner to stay fit and healthy. If there is anything you read in this magazine that strikes a chord, please bring it up with your practitioner. He or she knows your specific needs and has the personal relationship with you,

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Accessing integrative health care isn't always easy. Among other things, more education is needed to ensure everyone can get the quality health care they want.

-Tarre Beach

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## Healthcare Highs and Lows

T ake a trip back in time with me, back to the heady days when doctors used to make house calls. Maybe you are too young to know about this phenomenon, but believe it or not, even without technology or a pandemic, healthcare practitioners once upon a time came to you. And now that trend may possibly be coming back around. (Read "Remote Health Care" p.18).

If we go back far enough, we also see movement in another area. I'm talking about the colossal increase in the cost of health care. About 50 years ago, families with low incomes paid 12.6% of their income on health care, and middle-income families paid only 3.5%. Compare that to today's expenditures. According to a study by the Rand Corporation, a non-partisan, non-profit policy think tank, families in the highest income group pay 16% of their income toward health care, middle-income families pay 19.8%, and the lowest income families spend 23.3% of their income on health care.

Even with employer-subsidized insurance, the Affordable Care Act (ACA), and government programs that help people whose income is below the poverty level, there remain other issues of access that are not related to money. The Association of American Medical Colleges reported that in 2018, 56.2% of all active physicians in the United States identified as white while only 5% identified as Black or African American. That's a very low level of access to a diverse choice of practitioners.



But there is hope that more patients will be able to find natural or integrative healthcare practitioners that they share a background with. The National University of Health Sciences has created the Black Naturopathic Opportunity Scholarship to increase the representation of Black/African-American physicians in complementary and alternative medicine. (Read "Natural Healthcare Trailblazers" p.43).

Dr. Frenesa Hall is African American. She is an internal medicine doctor with 30 years' experience who continued her education at the Institute for Functional Medicine and uses functional medicine principles in her practice. She says the medical industry would do better to offer more information and education on the integration of functional and natural medicine with conventional medicine so that all patients have access to this type of health care. (Read "Integrative Health Care for All" p.30).

So, while medical history is still being written, we can all look forward with renewed enthusiasm that more diversity in and better access to integrative health care may be right around the corner.

To your health,

Beach Jose T

**Tarre Beach** *Editor* 



Learn what ingredients are in antiperspirants and how you can smell sweet without them.

By James Munro, ND

I've heard that deodorants with aluminum cause all kinds of illnesses. What are the facts on this? What should I use instead? Aluminum is used in antiperspirants because it blocks pores, which blocks the body's ability to perspire or sweat. Perspiration alone can be quite inconvenient, but the body's sweat can also feed bacteria living on the skin which can, in turn, contribute to a foul odor. Before considering the aluminum itself, it is important to note that the body perspires for a reason. Perspiration helps the body regulate its temperature and serves as an emunctory—a way for the body to eliminate waste. Doing anything that interferes with this process will to some degree limit the body's ability to regulate temperature and eliminate waste. Whether or not this is an issue in your case is for you and your doctor to decide, but it is always worth noting.

When it comes to aluminum, it is an unavoidable part of our environment. It is in water and food, and it is likely that you are exposed to it daily. There is no physiological use for aluminum, and it is not known to be involved in any human biochemical reactions. When the body is exposed to aluminum, it is quickly eliminated, but if there is more aluminum present than the body has the ability to eliminate, it will accumulate in body tissues.

Aluminum exposure has been connected to endocrine (hormone) disruption, neurological issues, inhibition of bone and cartilage formation, metabolic impairment, kidney issues, and much more.

#### Limit Aluminum Exposure

There is no debate that excessive exposure to aluminum is dangerous. However, there is debate about how much aluminum is too much and which types of exposure significantly contribute to toxicity. There does not appear to be any research that clearly demonstrates a definitive connection between symptoms of toxicity and aluminum exposure from things like food, water, or antiperspirants.

Simply switching to an aluminum-free deodorant may be an appropriate alternative in many cases, but it may not be as simple for every case. There are many potential causes of excessive perspiration and foul body odor that may need to be addressed. These could include diet, blood sugar issues, toxicity, immune dysfunction, bacterial dysbiosis, and much more.

#### **Natural Deodorant**

Some natural deodorants may help decrease body odor through a variety of different mechanisms, including using alum (often called natural or rock crystal) or alcohol as bacterial inhibitors. Essential oils may also be combined with these bactericides as well as pH neutralizers, such as activated charcoal and baking soda, to help mask or decrease bad odors. Keep in mind, none of these ingredients will reduce sweat or wetness. Make sure to talk to your doctor if you would like to investigate potential causes of excessive sweating or body odor. Aluminum-based antiperspirants may or may not be a part of your solution, but this is a decision each person needs to make for themselves.



James Munro, ND, received his doctorate in naturopathic medicine from the National University of Natural Medicine, a four-year, nationally accredited doctoral program in Portland, OR. He worked at the prestigious Progressive Medical Center in Atlanta, GA, and is currently serving as the medical director for XYMOGEN and WholeScripts.

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# Healthy Loul Food

Substituting low-fat meat and reducing sodium keeps this greens dish tasty and good for your health.

he origins of soul food can be traced back to before slavery. Many of the foods integrated into the cuisine of the South originated from the African continent, including a cooked leafy green vegetable dish similar to what we know today as "greens."

Because enslaved people were given limited rations of food, typically cornmeal, some meat, lard, molasses, peas, greens, and flour, their diets were high in fat and starch. This usually enabled them to carry out the strenuous labor demanded of them, but that diet was not nutritionally sound. Occasionally, enslaved people were given the opportunity to grow their own vegetables to supplement their rations. According to *Slavery in the United States* written by Charles Ball, a former enslaved person, these slave gardens were often "in some remote and unprofitable part of the estate, generally in the woods," making growing food harder. It also limited the type of food that could be grown. Potatoes, pumpkins, melons, peanuts, black-eyed peas, squash, cabbage, and collard greens were just some of the crops found in these gardens.

Between chard, collards, kale, mustard greens, and turnip greens, there is a difference in nutrients. See which one has the most of what you need:

**Chard** has the highest amount of iron: 2.83 mg per 1 cup, cooked. Iron is important in the production of red blood cells, which carry oxygen around the body. Iron helps prevent nutritional anemia and increases the body's resistance to infection.

**Collard greens** have the highest amount of choline: 32.90 mg per 1 cup, cooked. Choline is needed for neurotransmitter synthesis, cell-membrane signaling, lipid transport, and methyl-group metabolism. Choline deficiency is associated with liver disease and muscle damage.

**Kale** has the highest amount of vitamin C: 91.90 mg per 1 cup, cooked. Vitamin C is essential to immune function and the maintenance of bone, skin, teeth, and joints. Vitamin C deficiency can result in bleeding gums, splitting hair, dry skin, bruises, and nosebleeds. Smokers and heavy drinkers especially need vitamin C in their diets. **Mustard greens** have the highest amount of potassium: 600 mg per 1 cup, cooked. Potassium is classified as an electrolyte. It helps regulate fluid, balance, nerve signals, and muscle contractions, including coordinating the heartbeat. Lack of the proper amount of potassium can contribute to high blood pressure, constipation, muscle weakness, and fatigue.

**Turnip greens** have the highest amount of folate: 171.10 mcg per 1 cup, cooked. Folate, or vitamin B9, is important in red blood cell formation and for healthy cell growth and function. It is especially crucial during early pregnancy to reduce the risk of birth defects of the brain and spine in the developing fetus. Insufficient folate intake can lead to anemia, fatigue, weakness, and feeling cold or dizzy.



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- 3 cups water
- 1/4 pound smoked turkey breast, skinless
- 1/4 cup onion, chopped
- 1 stalk scallion, chopped
- 1 tbsp hot pepper, freshly chopped
- 1 tsp cloves, ground

1 tsp ginger, chopped

- 2 cloves garlic, crushed
- 1/4 tsp cayenne pepper
- 1/2 tsp thyme

#### Instructions

- 1. Prepare greens by washing thoroughly and removing stems.
- 2. Tear or slice leaves of greens into bite-sized pieces.
- 3. Place all ingredients except greens into large saucepan and bring to a boil.
- 4. Add greens to saucepan. Cook 20 to 30 minutes until tender.

#### **Nutrition Facts Per Serving:**

Calories:	142	Dietary fiber:	1 g
Total fat:	4.8 g	Potassium:	49 mg
Protein:	3.5 g	Vitamin D:	8 mcg
Total carbohydrate:	21 g		

**Sources:** NutitionValue.org, National Heart, Lung and Blood Institute, Department of Health and Human Services.

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# A Natural Approach to Blood Sugar Management

One patient successfully lowered his blood sugar with diet changes and supplements.

By Chad Krier, ND, DC

Model shown, not actual patient.



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### "The patient continues to have long-term improvement."

We all know that getting the nutrients and minerals your body needs is important to good health. But sometimes you don't know you're not getting enough of something until you get sick. With the use of lab tests, integrative medicine practitioners can uncover deficiencies and suggest diet changes and supplementation to help bring your system back into alignment.

In the case of blood sugar management, studies show that oral supplementation of magnesium, a critical cofactor involved in glucose metabolism, can improve insulin sensitivity. Likewise, phytonutrients, such as those found in whole foods, green leafy vegetables, and berries have been found to improve glucose metabolism and lipid levels as well as offer digestive support and natural detoxification. In addition, a combination of omega-3 fatty acids from fish oil or algae may support metabolic pathways.

Patient: 68-year-old male

**Medical History:** A history of type 2 diabetes, using insulin to control blood sugar.

**Treatment:** Two scoops of pea and rice protein powder with added nutrients and purified polyphenols from brown seaweed for breakfast daily; 195 mg EPA, 390 mg DHA, 130 mg omega-3s from algae along with 650 mg EPA, 450 mg DHA, 180 mg omega-3s from fish oil two times a day; 200 mg magnesium, 1 g magnesium L-threonate two times a day; 710 mg antioxidant phytonutrients, 20 mg digestive enzymes, 2 g organic greens, veggies, fruits, and berries, 300 mg vitamin C, 4.275 g organic fiber two times a day; IV chelation for 12 weeks with B12 and B complex shots.

Eat <sup>1</sup>/<sub>4</sub> cup of raw refrigerated nuts daily, limit omega-6 fats and fried foods.

Corrected deficiencies uncovered in lab tests: B5, B12, folate, D3, choline, glutathione, CoQ10, magnesium, omega-3s, and alpha linolenic acid.

**Outcome:** Fasting glucose was 70. HbA1c was 5.6 after three months. While working on lowering his HbA1c over the past six years, the patient had not been able to lower his HbA1c below 7. In addition, his liver enzymes normalized. The patient continues to have long-term improvement.

**Disclaimer:** This case study represents the results of one participant. The reader should weigh these results with other scientific data and should not expect the same results as those found in this case study alone. The effects observed do not reflect those typically associated with this treatment model.



Chad Krier, ND, DC, received a degree in naturopathic medicine from Bastyr University and a degree in chiropractic medicine from Parker College of Chiropractic. He is the founder and director of Vis Clinic in Wichita, KS. VisClinic.com

# Remote Health Care

What benefits do integrative healthcare patients receive by using remote health care?

By Nancy Eklund, MD, ABFM

Providers, such as naturopathic physicians and holistic or integrative medicine practitioners, were not as numerous as they are now. Many integrative healthcare practitioners began to use real-time communication technology to allow more patients access to this specialized health care. After the pandemic shut down most in-person activity, this early adoption of telehealth technology proved to be a lifeline for many patients.

#### **Medical Match**

Functional medicine's chronic care and prevention model, as opposed to the urgent care model, easily lends itself to remote visits.

Take, for instance, a patient that has type 2 diabetes. The pandemic may have moved them away from the protocols their practitioner gave them. A thorough health history and review of the patient's symptoms, diet, and emotional state can easily be done via video call. Of course, blood work, which is sometimes needed to determine a change in nutrient levels, can be ordered during a virtual visit and a new protocol can be created and discussed in a subsequent follow-up visit.

#### The Cost of Remote Health Care

While some think that remote health care might stop being covered, according to America's Health Insurance Plans, an association representing approximately 1,300 health insurance plans, 26 state legislatures have created laws to require private insurance to reimburse healthcare providers for services delivered through telemedicine. And there are 10 more states looking to do the same.

For some patients, certain integrative healthcare services, whether in-person or virtual, may not be covered by their insurance plan. So, it's always good to gather up the information about your plan and know what you will be responsible for paying before you book a telemedicine appointment.

#### **House Calls**

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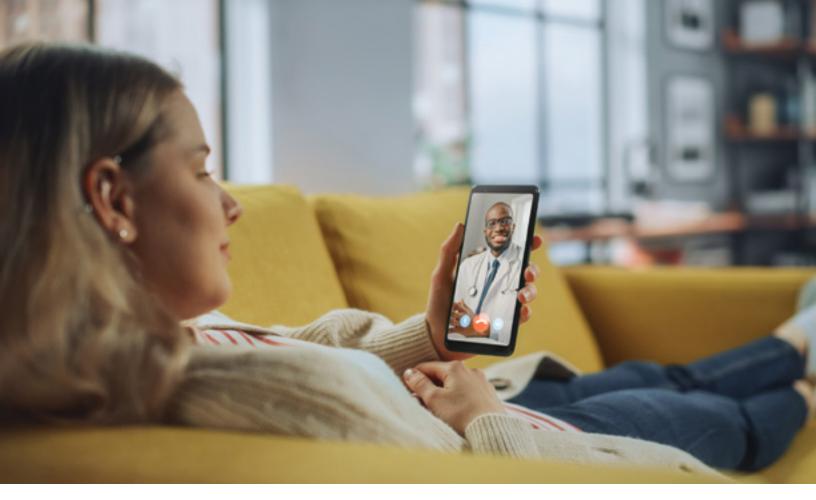
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With telemedicine, there is no travel time, no need to take time off work, and no risk of exposure to any contagious disease. Telemedicine can also give your practitioner clues about your home environment, which can only aid their understanding and coordination of your care.

Many practitioners, myself included, have even been able to evaluate skin conditions, orthopedic problems (through directed appropriate maneuvers), and other health issues through virtual visits. It is my strong belief that a majority of evaluations are done by taking a good history, and often the physical exam serves to confirm the diagnosis. Also, the availability of urgent care centers for limited physical exams can be used to complete the picture if and when necessary.

#### The Future of Telemedicine

The use of telemedicine is expected to grow so long as insurance plans continue to cover it. The biggest challenge is whether patients feel their needs are being met. Confidentiality is extremely important for some patients to feel comfortable with virtual visits, while other patients find the positive results of telemedicine the only proof they need to keep using this vital tool.



Nancy Eklund, MD, ABFM, received a medical doctorate from Indiana University School of Medicine in Indianapolis. She is certified by the American Board of Family Medicine. Dr. Eklund has been practicing functional medicine since

she was among the founding certified practitioners of the American Holistic Medical Association in 1999. She is the founder and director of the Miami Center for Holistic Healing in Miami, FL. miamiholistic.com



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# You Oughta Do Tabata

Learn how high-intensity interval training (HIIT) got the name "Tabata" and how it can work for you.

By Sarah Blackburn, PES, GPTS, FMCHC

zumi Tabata, PhD, has been called the father of highintensity interval training (HIIT). In fact, this type of exercise, which he studied and helped develop while working with the Japanese Olympic speed skating team in 1996, is often referred to as Tabata exercise.

Dr. Tabata found that exercising in this specific way could improve anaerobic capacity (amount of energy produced) by up to 28%, making you stronger and more powerful. Likewise, Tabata-style workouts can increase VO2 max (amount of oxygen consumed while working out), improving your physical endurance. Also, due to the high demand of stress placed on the body, Tabata-style workouts tend to burn more calories in a shorter amount of time, giving you more bang for your buck.

During Tabata exercise, the body will get close to or be at its lactate threshold. When lactate is produced at a faster rate than it can be utilized, the muscles' ability to contract becomes significantly diminished and the body is forced to slow down or stop until the lactate can be cleared. During the recovery/ rest period, the heart rate will drop and the body will clear the lactate and allow the muscles to make another effort. Over time, the body will become more efficient at clearing lactate so you can maintain a faster pace for a longer period of time.

What makes a workout a Tabata workout is that each exercise is performed at the highest intensity possible for either a 1:1 or 2:1 work-to-rest ratio. The Olympians that Tabata studied did eight exercises for 20 seconds with 10 seconds of rest each and repeated that for a duration of four minutes. I recommend doing four different exercises for 40 seconds with 20 seconds of rest each for a total of eight minutes. Try Tabata out and watch your power and endurance improve.





#### **Squats**

Begin with your feet shoulder-width apart, shoulders slightly pinched, chin parallel to the ground, and eyes looking forward. Sit your hips back and down until hamstrings are parallel to the ground. Pull hips back up and come back to starting position. Squeeze your glutes at the top of the movement.





### **Mountain Climbers**

Begin with your hands stacked directly under your shoulders. Come up on to your toes shoulderwidth apart, with a nice flat back and an engaged core. Eyes looking straight down at the ground. Movement begins with driving your knee toward your elbow and coming back to starting position. Switch legs and repeat until time is called. Try to keep your hips from swaying side to side.





### **Pushups**

Begin with your hands stacked directly under your shoulders. Come up on to your toes, shoulder-width apart. Keep your back flat and engage your core. With eyes looking straight down at the ground, bend your elbows at 90 degrees while maintaining a flat back until your chest is inches from the ground. Extend arms back up to starting position. **Modification:** Stay on your knees or perform exercise while standing and pushing against a wall.

**Please Note:** Always consult your physician or other healthcare provider before starting any exercise program. These exercises are not intended to be used by anyone who is injured or otherwise physically limited.





### **Kettlebell Swings**

Begin with your feet shoulder-width apart, shoulders slightly pinched, chin parallel to the ground, and eyes looking forward. Place kettlebell in between legs with palms facing toward you and a slight bend in your knees. Drive your hips back until your chest is almost parallel to the ground with a flat back. Pull hips through as if somebody was pulling on your belt loops, and come back to starting position. Squeeze your glutes at the top of the movement.

Sarah Blackburn, PES, GPTS, FMCHC, is a performance enhancement specialist and group personal training specialist certified by the National Academy of Sports Medicine as well as a health coach certified by the Functional Medicine Coaching Academy. She is the founder and director of XYMOGYM, a full-service gym located in Orlando, FL, and is the director of XYMOFIT, a corporate wellness program. Xymogym.com

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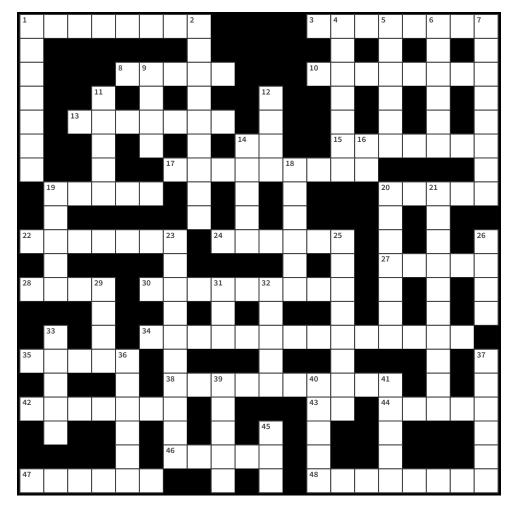


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## Smelly Pits and Other Bits

Crossword answers include words found in this month's stories, and some extras.

### Down

- 1. Motor City is home to the largest \_\_\_\_\_ American population
- 2. Element which may improve insulin sensitivity
- **4.** Matthew McConaughey's OK
- 5. Men, women, boys, and girls6. Bruno Mars and Billy Joel like this part of town
- 7. To warm and develop before hatching
- **9.** Aged: Good for fruit not for armpits
- **11.** Skin inflammation named for marks that look like a wolf's bite
- **12.** How many minutes Dr. Tabata recommends you HIIT that
- **14.** The "rock" of the Catholic church
- **18.** A special belt you were in your car
- 19. Get a whiff
- 20. Disease preventer

- **21.** Chronic autoimmune condition characterized by stiffness and inflammation of joints
- **22.** Health care provided remotely
- **25.** Latin for sweaty, clammy (obsolete)
- 26. Emit a stench
- 29. Mediterranean succulent with bacteria reducing properties used in natural deodorant
- **31.** Trim, chop
- **32.** Being in a French funk
- **33.** Salk's shot eradicated this disease in USA
- **36.** Of the nervous system **37.** Injured or hurt
- **39.** Entice as the serpent did to Eve
- **40.** Ape or parrot imitation
- **41.** Makes a salary
- **45.** Socrates on gluttony: "\_\_ to live; not live to \_\_."

### Across

- Metal compound used in antiperspirants
- **3.** The fragrance of '60s flower child
- 8. Pharmacy medicines
- **10.** Pleasantly pungent
- **13.** Squats, push-ups, jump backs, jump ups, repeat
- **14.** The universal acronym for stink (two letters)
- **15.** Christian cry of praise
- **17.** The practice of including a wide variety
- 19. Lively and bold
- **20.** Close to the edge
- 22. An advantage gained
- 24. A smoky Southern dish of cooked leaves
- 27. Reason something happened

- 28. Elbow-wrist connection
- **30.** A pea that got in a fight (two words, combined)
- **34.** Good-for-you chemicals found in plants
- **35.** Because of their X factor, \_\_\_\_\_ may be more prone to autoimmune illnesses
- **38.** When your body mistakenly attacks itself
- 42. Almost real
- **43.** To be
- 44. Great warmth, passion
- **46.** Government act that brought privacy to health information (acronym)
- 47. To protect
- **48.** To have eaten, drank, ingested or bought

#### Answers found on P.43

# Integrative Health Care for All

Accessing integrative health care isn't always easy. Among other things, more education is needed to ensure everyone can get the quality health care they want.

By Tarre Beach

Just as there are food deserts in some communities, there are healthcare deserts too. If you are not familiar with the term "food desert," it is a geographical area—either urban or rural—in which it is difficult to buy affordable or good-quality fresh food, especially non-packaged foods and produce. "Healthcare deserts" are places where the supply of affordable, top-quality integrative healthcare doctors is too small or completely non-existent.

#### **Breaking Down Barriers**

Let's take a closer look at some of the reasons why healthcare deserts develop and what some of the barriers are to accessing integrative medicine health care.

Dr. Frenesa Hall is African American. Decades ago, while attending a program at her alma mater, Harvard University, she learned about functional medicine and enrolled in the Institute for Functional Medicine's intensive integrative medicine program. Ever since completing that program, Dr. Hall, who is an internal medicine doctor, has made functional medicine her focus. She feels functional medicine modalities, including nutrition, supplements, detoxification, and diet and lifestyle changes, are the best way to treat her patients.

"The real rate-limiting step for integrative medicine that is, the stage that requires the greatest amount of work and takes the longest amount of time to effect a change—is knowing functional medicine even exists," Dr. Hall says. Does that mean the integrative healthcare community needs to educate the public more about itself? Dr. Hall emphatically agrees it does. "There needs to be more trusted information coming out about exactly what functional medicine is and what it can do for society."

Dr. Hall also says medical and nursing educational institutions need to provide more learning opportunities for students so that they can learn what these approaches are and be able to better decide if they want to pursue integrative health care, such as naturopathy, functional medicine, homeopathy, and acupuncture, as a specialty or add it to their conventional medical education. "Once we have a better understanding of what functional medicine is, conventional practitioners and complementary practitioners will be able to work together to get the best result for the patient," she says.

According to the National Center for Education Statistics, there are only 18 accredited universities in the United States and Puerto Rico that offer naturopathic, homeopathic, or complementary medicine educational programs. This could also be part of the reason healthcare deserts develop throughout the United States.

#### **Policy Changes**

With the passing of the Affordable Care Act in 2010, the increase in healthcare costs slowed dramatically and more people became insured. But more policy changes are needed to transform healthcare deserts.



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The next step is to make sure integrative health care is covered by more insurance companies and that plans that include integrative healthcare coverage are affordable. According to the National Center for Complementary and Integrative Health (NCCIH), here is a breakdown of some integrative or functional health care visits that larger insurers will cover:

- 91% cover prescribed chiropractic care
- 32% cover acupuncture with limits
- 17% cover massage therapy
- 11% cover homeopathy

NCCIH didn't have a percentage of large insurance companies that cover naturopathy, but it did find that insurers were more likely to cover naturopathic care from licensed naturopathic doctors and that only 22 states and the District of Columbia had such licensure.

While insurance may cover some integrative health care, Medicare (federally funded health care for seniors and/or those with a disability) and Medicaid (state and federally funded health care for those with low income) most likely won't, Dr. Hall says. "The established, conventional medicine industry, insurance companies, and lobbyists point to functional medicine not having large enough placebo-controlled studies as the reason they do not push for complementary medicine to be integrated into the medical community," Dr. Hall says. "But the fact remains that complementary medicine works. It's just not the financial cash cow that conventional medicine is for those stakeholders."

#### Money and Medicine

Minorities and women make up the largest portion of America's lowest paid workers. With less finances available to pay for health care, many in this group cannot afford uncovered visits to an integrative healthcare practitioner.

Dr. Hall points to her own experience with patients as proof that sometimes integrative health care can actually be less expensive than conventional medical care.

"I have seen patients who had asthma, arthritis, diabetes, and other chronic and debilitating conditions experience profound improvements," Dr. Hall says. "And in many cases, the treatment and management of their condition using the tools of functional medicine actually saved them money."

Interestingly, a 2010 study published in the peerreviewed *Journal for Alternative Complementary Medicine* showed that complementary and alternative medicine (CAM) users had a lower average expenditure than non-CAM users during the one-year study. CAM users spent an average of \$3,797 versus \$4,153 for non-CAM users covered by insurance. Overall, several factors may support this finding. These include prevention through lifestyle changes rather than surgeries or high-cost prescriptions; lower malpractice rates for naturopathic doctors, meaning slightly lower overhead expenses passed on to patient; and the use of more cost-effective (and lower risk) imaging and testing. www.feeleven.com

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### **Using What They Had**

The National Institutes of Health and the National Center for Complementary and Alternative Medicine report that African Americans substantially use CAM, particularly patients with chronic conditions. Some researchers point to African Americans and other minorities' historical lack of access to conventional medicine as a possible factor for this.

Even after the end of the Civil War in the reconstruction era, minorities continued to be shut out from the conventional healthcare system. This problem was compounded by the fact that no medical colleges would accept non-white students. In part because of this, minorities continued to use natural and/or folk medicine, which was usually handed down from generation to generation to a "root doctor" or herbalist in the community.

### **Representation in Medicine**

Today, some marginalized communities continue to use lay (knowledgeable but untrained) natural medicine practitioners for a number of reasons, including the fact that people tend to trust and seek out others who share their experience, beliefs, and values.

This phenomenon provides ample evidence that there is a strong need for more diversity in natural and integrative medicine. According to the Integrated Postsecondary Education Data System, there were only 19 African American/Black students that earned a degree in naturopathic medicine in 2012, which was the last year the group collected data on the topic.

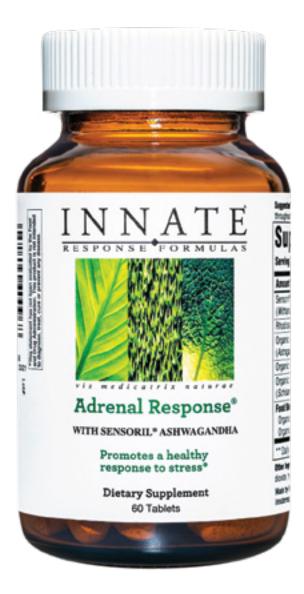
With more public education about functional medicine, more people of color choosing to go into integrative medicine, and policy changes that would allow more integrative medicine treatments to be covered by insurance, integrative health care for all could become a reality in the near future.

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- 1. Lipton RB et al. Neurology. 2004;63(12):2240-2244.
- 2. Grossman W et al. Altern Med Rev. 2001;6(3):303-310.
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> Holland S, Silberstein SD, Freitag F, et al. Evidence-based guideline update: NSAIDs and other complementary treatments for episodic migraine prevention in adults: report of the Quality Standards Subcommittee of the American Academy of Neurology and the American Headache Society. Neurology. 2012;78(17):1346-1353.

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# The Great Debate: Whether or Not to Vaccinate?

## Learn if a vaccination is right for you and what you can do to help prepare your body beforehand.

#### By Lindsay Moreau, ND

Vaccinations are a hot topic these days. There are ardent supporters crying for everyone to receive every vaccine just as there are passionate naysayers that refuse all vaccinations. Yet both sides believe that they are advocating what is best for their and their family's health. Everyone wants to protect their health and the health of their loved ones. To do that, it's important to know how to determine which vaccines you may benefit from and how to prepare your immune system to deal with the vaccination should the time come to be vaccinated.

#### **Risk vs Reward**

There are many different types of vaccines, and certainly not everyone needs to receive all of them. The first step is to talk to your healthcare practitioner. It's also a good idea to consult with the Centers for Disease Control and Prevention (CDC) recommendations and then determine what the exposure risks are. For instance, Japanese encephalitis does not occur in the United States, and so vaccination for this disease would be excessive for someone that does not plan to leave the United States. This is a very obvious example, but there are more nuanced situations.

Take measles. It is not endemic in the United States, and yet outbreaks occur. What is your risk of exposure in this circumstance? Or consider hepatitis B, which is transferred through sexual contact or blood. At first glance, it might seem easy to avoid, but there are often factors that are out of the individual's control, such as a cheating partner or an accidental needlestick (a common injury in health care) that can lead to exposure. The second thing to consider is the severity of the disease that the vaccine addresses. Some vaccines are made because the disease is contagious and deadly, such as smallpox, and some vaccines are made because susceptible individuals can suffer serious complications, such as measles. The vast majority of vaccines are of this second type.

Most people that catch the influenza virus, "the flu," recover fairly well, but people do die from the flu every year. Mostly elderly and immunocompromised individuals comprise this group, yet annual vaccination is recommended by the Centers for Disease Control and Prevention (CDC) for everyone. Their aim is to try to decrease the spread of the flu through the general population, thereby decreasing the risk of high-risk populations from catching it. This is a public health decision, not an individual health decision.

However, the individual still needs to do a personal risk assessment to determine if receiving the notoriously ineffective flu vaccine year after year brings more benefit to the population than it does harm to the individual. For instance, if that person works in a nursing home, it might well be worth the risk. However, if that individual is young, not pregnant or planning to become pregnant, and has no living grandparents, it might not be worth it.

#### **At-Risk Populations**

Another difficult aspect of the decision to get a certain vaccination is determining who is considered high risk for adverse vaccine events and who is not. While many vaccines have been extensively researched to give us some idea of their efficacy, some, especially newer ones, have been researched for shorter terms, making it difficult to determine what the at-risk population is exactly and what are the possible negative outcomes.

Deciding whether or not to get certain vaccinations is especially nuanced if you have an autoimmune condition or other chronic inflammatory conditions, such as Lyme disease, mold toxicity, histamine intolerance, chemical sensitivity, fibromyalgia, and chronic digestive issues. In addition to this group are pregnant women, children under the age of two, and anyone with chemical sensitivities.

Vaccinations are inherently inflammatory and stimulatory to the immune system, so there is a good chance that a vaccination could cause an aggravation in these conditions, or the body could respond poorly. Members of populations with immune imbalances or an overactive immune system especially need to consider whether the possible benefits of helping create herd immunity outweigh the risks for them.

That being said, sometimes the benefits of a particular vaccination outweigh the risks. In these circumstances, it is best to focus on balancing the immune system to decrease the chance of a negative reaction and enhance the proper immune response to develop immunity as every vaccination aims to do.

#### **Preparing the Immune System**

The immune system has several different types of reactions based on what exactly it is responding to. The most basic of these responses are called Th1, Th2, and T-regulatory. The Th1 response is the body's response to viral and bacterial issues and is often implicated in autoimmune conditions. The Th2 response happens in response to parasites and is behind most allergic conditions. Th1 and Th2 oppose each other, and so if one is ramped up, the other is simultaneously decreased.

Vaccines are designed to stimulate a Th1 immune response. If someone already has a Th1-dominant condition, their body might not respond well to a vaccination. There are many different herbs and foods that can push the immune system towards a Th2 response, which can in turn calm down the Th1 response. These include tomatoes and other red fruits (with the exception of strawberries and cherries), which contain lycopene; grape skins, which contain resveratrol; and green tea, coffee and dark chocolate.





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Someone with a Th2 dominance might also not respond well to a vaccination, but they would be more likely to have a poor antibody response and thus poor immunity. This would be someone with allergies, histamine issues, and pregnant women. Classic herbs that support the immune system include echinacea, maitake mushroom, and licorice root.

Adding Th2-calming herbs would also be of benefit, including quercetin, stinging nettles, and bromelain.

For those who are generally healthy and want to improve the response to a vaccination, the T-regulatory response should be supported. This response calms down both the Th1 and Th2 response in the body, and so could benefit anyone with a Th1 or Th2 dominance as well.

There are many supplements that can support this balanced immune response, including curcumin, fish oil, and glutathione. Other nutrients that promote healthy immune function include vitamin A and zinc.

#### **Other Ingredients**

The last thing that needs to be considered is the other ingredients in the vaccine. All vaccines have something called an adjuvant, which is often aluminum-based, to get the immune system to react to the virus or viral particles being injected into the body. Aluminum is neurotoxic. Multidose vials contain preservatives, such as thimerosal (mercury) in the flu vaccine, and so to decrease exposure a single dose vial can be requested. Residual ingredients from the manufacturing process, such as formaldehyde, are also found in vaccines. Formaldehyde is a known human carcinogen. These other ingredients are why individuals who are chemically sensitive or are poor detoxifiers need to think carefully about which vaccines to receive.

Fortunately, the human body is designed to be able to deal with all of these insults and more. The liver has enzymes to process out chemicals. These enzymes can vary in activity depending on individual genetics, availability of cofactors for these enzymes, as well as toxic chemicals that can inhibit the detoxification process in the liver. The best way to encourage proper processing of chemicals is to support the liver. Milk thistle, ellagic acid, berberine, di-indole-methane, green tea, dandelion, N-acetyl-cysteine, and curcumin are just some of the things that can provide antioxidants, support liver function and the detoxification process. To address the aluminum and mercury exposure, the above enumerated processes are important, but there needs to also be something to bind or chelate the aluminum to carry it effectively out of the body. Eating seaweed, cilantro and parsley supports detoxification wonderfully. It is important to note that detoxification takes time, and so spacing out vaccinations by several months rather than receiving multiple vaccinations all at once or in rapid succession, can help keep the toxic burden lower.

These preparations for a vaccination should be started well before the vaccination date to allow for changes to the regimen if necessary and to allow sufficient time for changes to the immune system to respond fully. Inflammation-inhibiting and immune-supporting herbs can be started four weeks in advance along with liver support. Heavy metal chelators can be added the day of the vaccination and continued for the next 2-4 weeks.

The goal of all vaccinations is to decrease the risk of death or other adverse outcome from disease, whether for the vaccinated individual or for the population at large. Making smart choices about which vaccines to receive and balancing the immune system before vaccination can help enhance proper immune response. Allowing proper spacing between vaccinations can help decrease the chance of adverse effects from vaccination. This forethought can help everyone decrease the risks of vaccinations while simultaneously increasing a good immune response.

**Please Note:** These comments are in no way intended to be used as medical advice. Always consult your physician or other healthcare professional before receiving a vaccine or taking supplements and changing your diet. Also, check the Centers for Disease Control and Prevention (CDC) recommendations to better determine exposure risk.



Lindsay Moreau, ND, board-certified is а naturopathic physician. She completed her degree at the National University of Natural Medicine in Portland, OR. During her four years of naturopathic medical training. she

completed rotations in environmental medicine, women's health, and physical medicine. She is a cofounder of Ideal Human Natural Health Clinic in Milwaukee, WI. Idealhuman.co



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A.D	1881 —	_ Susan McKinney Steward co-founded the Brooklyn Women's Homeopathic Hospital and Dispensary.
17	1878 —	_ Dr. Grace Roberts was the first African American to earn a degree from the University of Michigan's Homeopathic Medical School.
3	1884 —	_ Dr. Thomas Creigh Imes was the first African American to graduate from Hahnemann Homeopathic Medical College of Pennsylvania.
the second	1895 —	The National Medical Association (NMA) was founded by and for black doctors and – health professionals in response to not being allowed to join the American Medical Association (AMA).
Es!	1913 —	_ Dr. Fred Rubel was the first Black student to graduate from the National School of Chiropractic.
	1921 –	_ Dr. Meta L. Christy, a graduate of the Philadelphia College of Osteopathic Medicine, was the first African-American osteopathic physician.
	1981 —	_ The American Black Chiropractic Association was founded by Dr. Bobby Westbrooks.
	1990 —	_ Dr. Willard Smith was the first African American elected to head a major medical society, the California Chiropractic Association.
0	1990 —	The need to have a certification board for the specialty of holistic nursing is recognized by the professional nursing community.
	2012 —	According to the Integrated Postsecondary Education Data System, only 19 Black/ African-American students earned a degree in naturopathic medicine.
	2021 —	The National University of Health Sciences (NUHS) creates the Black Naturopathic – Opportunity Scholarship to encourage more Black/African-American students to enter naturopathic medicine.

### **Wellness Words Answers**

Down			Across		
1. African	<b>14.</b> Peter	<b>31.</b> Cut	1. Aluminum	<b>19.</b> Sassy	35. Women
2. Magnesium	<b>18.</b> Safety	<b>32.</b> Ennui	3. Patchouli	<b>20.</b> Verge	38. Autoimmune
4. Alright	<b>19.</b> Smell	<b>33.</b> Polio	8. Drugs	22. Benefit	42. Virtual
5. Humans	20. Vaccine	36. Neural	10. Aromatic	24. Greens	<b>43.</b> Is
6. Uptown	21. Rheumatoid	<b>37.</b> Harmed	13. Burpees	<b>27.</b> Cause	<b>44.</b> Ardor
7. Incubate	22. Telehealth	<b>39.</b> Tempt	<b>14.</b> PU	<b>28.</b> Ulna	<b>46.</b> HIPAA
<b>9.</b> Ripe	25. Sudorous	<b>40.</b> Mimic	15. Hosanna	<b>30.</b> Blackeyed	<b>47.</b> Shield
11. Lupus	<b>26.</b> Reek	<b>41.</b> Earns	17. Diversity	34. Phytonutrients	48. Consumed
<b>12.</b> Four	<b>29.</b> Aloe	<b>45.</b> Eat		-	

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Better Body Butter 2.8 oz
Dead Sea Mud Mask 2 oz
Mineral MistToner 1.7 oz
Miracle Elixir Oil 1 oz

#### AOR™

Product Name Advanced B Complex<sup>™</sup> 90 Capsules Andrographis 120 Capsules benaGene<sup>™</sup> 30 Capsules Hydroxy B12 - 1mg 60 Lozenges Ortho Sleep<sup>™</sup> 60 Capsules P.E.A.k. Endocannabinoid Support 90 Capsules Peak K2 90 Capsules Probiotic 3 90 Capsules R-Lipoic Acid 300 mg 60 Capsules Strontium Support II 60 Capsules

#### Argentyn 23

Product Name Pro Bio-Active Silver Hydrosol 23 ppm Dropper 2 fl oz Pro Bio-Active Silver Hydrosol 23 ppm Economy Size Screw Top 16 fl oz Pro Bio-Active Silver Hydrosol 23 ppm Fine Mist Spray 2 fl oz Pro Bio-Active Silver Hydrosol 23 ppm Screw Top 4 fl oz Pro Bio-Active Silver Hydrosol 23 ppm Travel Size Fine Mist Spray 1 fl oz Pro Bio-Active Silver Hydrosol 23 ppm Travel Size Vertical Spray 1 fl oz Pro Bio-Active Silver Hydrosol 23 ppm Vertical Spray 2 fl oz Pro Bio-Active Silver First Aid Gel 1 fl oz

#### AVEMAR™

Product Name AVEMAR<sup>™</sup> 300 Tablets AVEMAR<sup>™</sup> AWGE 30 Sachets AVEMAR<sup>™</sup> Stevia Natural Plant Based 30 Sachets

#### Avior

#### **Product Name**

Real NAD+ 60 EZ Melt Tablets

#### Ayush Herbs°

**Product Name** Adult Ashwagandha Drops 2 fl oz Adult Trifal Drops 2 fl oz Amla Plex 30 Servings Ashwagandha 60 Capsules AyuPhos 60 Capsules **Bacopa Plus 60 Capsules Boswelya Plus 90 Caplets Carditone 60 Caplets CoCurcumin 30 Servings** Flucomune 90 Capsules High Omega-3 Fish Oil 60 Softgels Kids Ashwagandha Drops 2 fl oz Kids Trifal Drops 2 fl oz Neem Plus 90 Capsules Probiotic 100B 60 Capsules **Rentone 90 Caplets Trifal 90 Capsules** 

#### **Barlean's**

#### Product Name

Fresh Catch Fish Oil Orange Flavor 250 Softgels Fresh Flax Oil 16 oz Fresh Flax Oil 32 oz Lignan Flax Oil 250 Softgels Seriously Delicious CLA Fresh Apple 16 oz Seriously Delicious High Potency Omega-3 Citrus Sorbet 16 oz Seriously Delicious High Potency Omega-3 Key Lime Pie 16 oz Seriously Delicious MCT Oil Coconut 16 oz Seriously Delicious Omega-3 Fish Oil Lemon Creme 16 oz Seriously Delicious Omega-3 Mango Peach Smoothie 16 oz Seriously Delicious Plant Based Total Omega Pomegranate Blueberry Smoothie 16 oz Seriously Delicious Total Omega Orange Creme 16 oz

#### **BeeKeeper's Naturals**

#### Product Name

- B. Fueled Bee Pollen 150 g
- B. Immune Throat Spray Propolis 1.06 fl oz
- B. Powered Superfood Honey 125 g
- B. Powered Superfood Honey 330 g

Kids Propolis Throat Spray 1.06 fl oz

#### BergaMet

**Product Name** 

**Clinical Immune Citrus Bergamot 60 Tablets** 

#### **Bio-Tech® Pharmacal**

Product Name D3-50 100 Capsules Lith-Oro 20 mg 100 Capsules

#### Biocidin

Product Name Biocidin<sup>®</sup> 1 fl oz Biocidin<sup>®</sup> 90 Capsules Biocidin<sup>®</sup> LSF 1.7 fl oz Biocidin<sup>®</sup> Throat Spray 1 fl oz Biotonic 2 fl oz Dentalcidin LS 1 fl oz G.I. Detox+ 60 Capsules Olivirex<sup>®</sup> 60 Capsules Proflora<sup>®</sup> 4R 30 Capsules

#### **BioMatrix**

#### Product Name Candid-X 90 Capsules Est-Adapt 15 ml Licorice Root Extract 2 fl oz Paracid-X 90 Capsules Pregnenolone 30 ml Pro-Adapt 15 ml Pylori-X 120 Capsules

#### **BodyBio**

Product Name Balance Oil 16 oz E-Lyte 16 oz Liquid Mineral Iodine 2 fl oz Liquid Mineral Zinc 2 fl oz Liquid Minerals 8 oz PC 100 Softgels PC 8 oz

#### Bodylogix

#### Product Name

Bodylogix Fermented BCAA Unflavored 60 Servings Bodylogix Micronized Creatine Unflavored 60 Servings Bodylogix Natural Pre-Workout Green Apple 30 Servings Bodylogix Vegan Protein Decadent Chocolate 22 Servings Bodylogix Vegan Protein Vanilla Bean 22 Servings

#### **Brain Bean**

Product Name

Brain Basics Ultra Alpha GPC 90 Capsules Brain Basics Ultra Iodine Complex 90 Tablets Brain Basics Ultra Pure Astaxanthin 60 Softgels Brain Basics Ultra Pure Selenomethione 90 Capsules

#### Buddha Teas™

Product Name Chaga Tea 18 Bags Detox Dharma Blend 18 Bags Matcha Green Tea 18 Bags Mushroom Wellness Blend 18 Bags Reishi Mushroom Blend 18 Bags

#### Carlson Labs®

Product Name A.D.E Hand & Body Cream Unscented 4 oz ACES 50 Softgels ACES+Zn 60 Softgels Acetyl L-Carnitine 60 Capsules Baby's DHA 2 fl oz Chewable Calcium Citrate 120 Tablets Cod Liver Oil Lemon Flavor 8.4 oz Cod Liver Oil Minis 100 Softgels Cod Liver Oil Natural Flavor 8.4 oz **DL-Phenylalanine 60 Capsules Ginger ALL 60 Softgels** Hi.Fiber 100 Capsules Key.E Hand & Body Cream Lemongrass 4 oz Key.E Hand & Body Cream Unscented 2 oz Kid's Vitamin C Gummies 60 Gummies Kid's Vitamin D3 Gummies 60 Gummies L-Glutamine Powder 33 Servings M.S.M Sulfur 90 Capsules **Taurine Powder 31 Servings** Vitamin D3 Gummies 60 Gummies

#### Clinical Synergy<sup>®</sup>

Product Name

ArteMax 60 Capsules Mycoceutics Immune Max 180 Capsules Mycoceutics Tick Defense 90 Capsules PectaSol Metal Detox 180 Capsules PectaSol-C Professional 270 Capsules PectaSol-C Professional 90 Servings PectaSol-C Professional Chewable Tangerine Flavor 120 Tablets PectaSol-C Professional Lime Flavor 30 Servings PectaSol-C Professional Lime Flavor 90 Servings

#### **Cognitive Clarity**

Product Name Percepta Professional 60 Capsules

#### CuraLife USA

Product Name

CuraLin 180 Capsules CuraLin Starter Bottle 42 Capsules Diamond Formulations Sleep Balance Herbal 60 Capsules

#### **Doctor's Advantage**

Product Name EyeRelief 90 Softgels Macular Shield Plus Complete Multivitamin 120 Capsules Omega Shield 60 Softgels

#### Dr. Anna Cabeca

Product Name Mighty Maca<sup>®</sup> Plus 60 Servings

#### **Dr. Capasso**

Product Name Keto Complete 20 Servings Mitoblast 2 120 Capsules Skin-Lasting Botanical Formula Spray 6 fl oz Skin-Lasting Super Formula Spray 6 fl oz

#### Dr. Mercola<sup>®</sup> Product Name

Berberine with MicroPQQ Advanced 30 Capsules Biodynamic Organic Fermented Moringa 90 Tablets Calcium with Vitamins D3 & K2 90 Capsules Eye Support 30 Capsules Fermented Beta Glucans 60 Capsules Fermented Black Garlic 60 Capsules Fermented Chlorella 450 Tablets Fermented Elderberry 60 Capsules Full Spectrum Enzyme 90 Capsules H2 Molecular Hydrogen 90 Tablets Ketozyme 30 Capsules Krill Oil 60 Capsules Liposomal Vitamin C 180 Capsules Liposomal Vitamin C 60 Capsules Magnesium L-Threonate 270 Capsules Organic Astaxanthin 12mg 90 Capsules Whole-Food Multivitamin Plus Vital Minerals 240 Tablets Zinc Plus Selenium 30 Capsules Zinc Plus Selenium 90 Capsules

#### **Dr. Phillips**

#### **Product Name**

Full-Spectrum Hemp Oil Cherry Bomb 1 oz Full-Spectrum Hemp Oil Cool Mint 1 oz Full-Spectrum Hemp Oil Orange Dreamsicle 1 oz

#### **Drs Nutrition Bar**

#### **Product Name**

Drs Nutrition Bar Almond Chocolate Coconut 12 Bars

#### **Encore Life**

#### **Product Name**

**HEMP OneThirteen 30 Softgels** 

**HEMP OneThirteen 60 Softgels** 

HEMP OneThirteen Immune Sour Gummies Orange Cream 60 Gummies

HEMP OneThirteen PRO 1500 1 oz

HEMP OneThirteen PRO 3000 1 oz

HEMP OneThirteen PRO 750 0.5 oz

HEMP OneThirteen Relax Sour Gummies Blueberry Pomegranate 60 Gummies

HEMP OneThirteen Sleep Sour Gummies Blackberry Vanilla 60 Gummies

HEMP OneThirteen Soothe 600 60gm

HEMP OneThirteen Sour Gummies Watermelon Cherry 60 Gummies

#### **Endurance Products Company**

#### Product Name

Dihydroberberine SR 150mg 60 Tablets ENDUR-ACIN ER 750mg 60 Tablets ENDUR-AMIDE SR 500mg 90 Tablets ENDUR-C SR 1000mg 60 Tablets ENDUR-C SR 500mg 90 Tablets Pantethine SR 300mg 90 Tablets Phytosterols IR 450mg 60 Tablets Taxifolin Complex SR 60 Tablets

#### Energenx

#### Product Name Chemtox 2 fl oz Hydrex 30 Servings Organic Moringa Leaf Powder 44 Servings

#### **Enzyme Science**"

#### Product Name

(PEA)+ 120 Capsules Complete Digestion 90 Capsules Critical Digestion<sup>®</sup> 90 Capsules Enzyme Defense Pro 60 Capsules Intolerance Complex 90 Capsules Lypo Optimize 90 Capsules MyoMend<sup>®</sup> 120 Capsules Stem XCell<sup>®</sup> Pro 60 Capsules Telomere Pro 30 Capsules

#### Even

#### Product Name

Even for Antidepressants 60 Capsules Even for Birth Control 60 Capsules Even for Statins 60 Capsules

#### **Everidis Health Sciences**

#### Product Name BioGaia Gastrus 30 Chewable Tablets BioGaia Osfortis 60 Capsules BioGaia Prodentis 30 Lozenges BioGaia Protectis 30 Chewable Tablets BioGaia Protectis Baby Drops 25 Servings BioGaia Protectis Baby Drops with Vitamin D 50 Servings Replesta NX 8 Chewable Wafers

#### **Golden Flower Chinese Herbs**°

Product Name Andrographis 60 Tablets Astragalus & Ligustrum 60 Tablets Bupleurum & Tang Kuei 60 Tablets Corydalis 60 Tablets Ease Digestion 60 Tablets Eleuthero 60 Tablets Five Mushroom 2 oz Free & Easy Wanderer Plus 60 Tablets Gan Mao Ling 60 Tablets General Tonic 60 Tablets Ginseng & Astragalus 60 Tablets Jade Screen & Xanthium 60 Tablets

#### Guna Inc.

Product Name Guna Allergy 1 fl oz Guna Cough 5.07 fl oz Guna Deep Cleanse 1 fl oz Guna Defense 0.28 oz Guna Flu 0.21 oz Guna Mood Support 1 fl oz Guna Pain Management 1 fl oz

#### Haelan

Product Name Haelan 951 8 fl oz Sweet Mint Flavoring 40 Serv

#### Herb Pharm<sup>®</sup>

Product Name Adrenal Support 1 fl oz Anxiety Soother 1 fl oz Arnica Oil 1 fl oz Ashwagandha 1 fl oz Ashwagandha Alcohol Free1 fl oz Better Bitters Classic 1 fl oz Black Elderberry Alcohol Free 1 fl oz Blood Pressure Support 1 fl oz Calendula Oil 1 fl oz Cinnamon Breath Refresher 0.47 fl oz Dandelion Alcohol Free 1 fl oz Echinacea Alcohol Free 1 fl oz Fungus Fighter 1 fl oz Ginger 1 fl oz Herb Pharm Original Salve 24 gm Kava 1 fl oz Kids Black Elderberry Alcohol Free 1 fl oz Kids Cough Crusader 1 fl oz Kids Fast Asleep 1 fl oz Kids Immune Avenger 1 fl oz Kids Immune Fortifier 1 fl oz Kids Lemon Balm Calm Alcohol Free 1 fl oz Kids Mullein Garlic Oil 1 fl oz Kids Orange-Flavored Echinacea Alcohol Free 1 fl oz Lemon Balm 1 fl oz Lemon Balm Alcohol Free 1 fl oz Lung Expectorant 1 fl oz Milk Thistle 1 fl oz Mullein Garlic Oil 1 fl oz Nervous System Tonic 1 fl oz Passionflower 1 fl oz Peppermint Breath Refresher 1 fl oz Peppermint Spirits 1 fl oz Rapid Immune Boost 1 fl oz Relaxing Sleep 1 fl oz Soothing Throat Spray 1 fl oz

St. John's Wort Oil 1 fl oz Stone Breaker 1 fl oz Super Echinacea 1 fl oz Tea Tree Essential Oil 1 fl oz Turmeric 1 fl oz Urinary System Support 1 fl oz Valerian 1 fl oz Valerian Alcohol Free 1 fl oz Virattack 1 fl oz

#### **Herbalist & Alchemist**

Product Name Alterative Compound 4 oz Burdock / Red Root Compound 4 oz Calm Adapt 4 oz Daily Adapt 4 oz Fit Adapt 4 oz Immune Adapt 4 oz Kidney Support Compound 4 oz Men's Adapt 4 oz Original Bitters 4 oz Osteoherb 120 Capsules Seven Precious Mushrooms 4 oz Sinus Support Compound 4 oz Women's Adapt 4 oz

#### HumanN"

#### Product Name

BeetElite Black Cherry 20 Servings BeetElite On-the-Go Black Cherry 10 Servings Neo40 Professional 60 Tablets SuperBeets Black Cherry 30 Servings SuperBeets Collagen Cherry Berry 30 Servings SuperBeets Energy Plus Natural Berry 30 Servings SuperBeets Immune Cranberry Cherry 30 Servings SuperBeets Original Apple 30 Servings SuperBeets Soft Chews Pomegranate Berry 60 Chews SuperGrapes Chews Grape 60 Chews

#### Hyalogic<sup>™</sup>

Product Name Dr. John's Toothpaste Gel 4.58 oz HA Lip Balm Jar 0.5 oz Hand & Body Lotion 10 fl oz Hyaluronic Acid Biotin Hair & Scalp Spray 4 fl oz Hyaluronic Acid Collagen Peptides 30 Servings Hyaluronic Acid Dry Mouth 60 Mint Lozenges Hyaluronic Acid Joint, Skin & Eyes 10 oz Hyaluronic Acid Joint, Skin & Eyes 30 Capsules Synthovial Seven 1 fl oz

#### **Innate Response**

#### **Product Name**

Adrenal Response 90 Tablets

Adrenal Response Complete Care 90 Tablets Baby & Me Multivitamin 120 Tablets C Complete Powder 2.9 oz GTF Chromium 90 Tablets Inflama-Complete 90 Capsules

#### Jarrow Formulas®

#### **Product Name**

Arginine 100 Tablets Citicoline CDP Choline 60 Capsules Fem-Dophilus<sup>\*</sup> 60 Capsules Fem-Dophilus<sup>\*</sup> 60 Capsules (Shelf Stable) Milk Thistle 200 Capsules Pantethine 60 Softgels Red Yeast Rice + CoQ10 120 Capsules Theanine 200 60 Capsules

#### Jigsaw Health

#### Product Name

Adrenal Cocktail + Wholefood Vitamin C 60 Servings Electrolyte Supreme Berry-Licious 60 Servings Electrolyte Supreme Lemon-Lime 60 Servings MagSoothe Raspberry Lemonade 60 Servings MagSRT<sup>\*</sup> 240 Tablets Pickleball Cocktail Orange 60 Servings

#### Kuli Kuli

#### Product Name

GREEN TEA ENERGY PLUS WELL CITRUS C 12 Servings HERBAL MORINGA TEA ORIGINAL 15 Bags MORINGA ENERGY BAR DARK CHOCOLATE 12 Bars PURE MORINGA 20 Packets

#### **Life Extension**

#### Product Name

AMPK Metabolic Activator 30 Tablets BioActive Complete B-Complex 60 Capsules Cognitex<sup>®</sup> Elite Pregnenolone 60 Tablets Curcumin Elite<sup>™</sup> Turmeric Extract 60 Capsules FLORASSIST<sup>®</sup> GI with Phage Technology 30 Capsules FLORASSIST<sup>®</sup> Throat Health 30 Lozenges Herbal Sleep PM 30 Capsules Male Vascular Sexual Support 30 Capsules Mega Lycopene 90 Softgels Memory Protect 36 Day Supply Optimized Quercetin 60 Capsules Pomegranate Complete 30 Softgels Potassium with Extend-Release Magnesium 60 Capsules Super K 90 Softgels Super K Elite 30 Softgels Super Omega-3 EPA/DHA Fish Oil 60 Softgels Tart Cherry with CherryPURE® 60 Capsules Vitamin C and Bio-Quercetin Phytosome 250 Tablets Water-Soluble Pumpkin Seed Extract 60 Capsules Zinc Lozenges Citrus-Orange Flavor 60 Lozenges

#### Linpharma™

#### Product Name Dolovent 120 Capsules Petadolex 50mg 50 Softgels Petadolex 75mg 60 Softgels

#### **LMNT Elemental Labs**

Product Name LMNT Recharge - Citrus Salt 30 Servings LMNT Recharge - Orange Salt 30 Servings LMNT Recharge - Raspberry Salt 30 Servings LMNT Recharge - Raw Unflavored 30 Servings LMNT Recharge - Variety Pack 12 Servings

#### **Master Supplements**

Product Name DIGESTXYM+ 93 Capsules HCL-XYM 93 Capsules Immunoxym 62 Capsules SEAXYM 93 Capsules SunFiber 31 Servings TheralacPRO 40 Capsules THERAXYM 93 Capsules TruBifidoPRO 40 Capsules TruBifidoPRO 40 Capsules

#### Med 7

#### Product Name

MED 7 HEMP OIL CINNAMON .5 OZ MED 7 HEMP OIL MOCHA .5 OZ MED 7 HEMP OIL WILD BERRY .5 OZ MED 7 METABOLIC SUPPORT CINNAMON .5 OZ MED 7 PM HEMP CBD OIL CINNAMON .5 OZ MED 7 RELIEF ROLL-ON .34 OZ

#### Megafood

**Product Name** Baby & Me 2 120 Tablets **Balanced Minerals 90 Tablets Blood Builder 180 Tablets Blood Builder 90 Tablets** C Defense 70 Gummies **Elderberry Immune Support 54 Gummies** Kids Daily Immune 2.3 oz Kids One Daily 60 Tablets Melatonin Berry Good Sleep 54 Gummies Methyl B12 60 Tablets Multi for Women 40+ 120 Tablets Multi for Women 55+ 120 Tablets **One Daily 180 Tablets** Pure Cranberry 60 Capsules Selenium 60 Tablets

#### **Microbiome Labs**

Product Name Gut-Specific Fish Oil Supplement 60 Softgels Mega IgG2000 120 Capsules MegaGuard 60 Capsules MegaMucosa Raspberry Lemonade Flavored 30 Servings MegaPre 180 Capsules MegaPre Mango Flavored 30 Servings MegaSporeBiotic 180 Capsules MegaSporeBiotic 60 Capsules WheatRescue 60 Capsules

#### Microvascular Health Solutions™

Product Name EndocalyxPro 120 Capsules

#### MRM

Product Name Acetyl L-Carnitine 60 Capsules Cardio Chelate 180 Capsules Complete E 60 Softgels Cordyceps CS-4 Strain 60 Capsules DHEA 50 mg 90 Capsules Digest-ALL 100 Capsules Digest-ALL 10 Go Tablets Driven Mixed Berries 29 Servings Egg White Protein Vanilla 10 Servings Egg White Protein Vanilla 20 Servings Gainer Chocolate 18 Servings Glucosamine Chondroitin 90 Capsules L-Glutamine 1,000 Servings Matcha Green Tea Powder 42 Servings Organic Moringa Leaf Powder 60 Servings Organic Red Beet Powder 24 Servings Quercetin 60 Capsules Relax-ALL 60 Capsules TribuPlex 750 60 Capsules Vegan Vitamin D3 5,000 IU 60 Capsules Whey Protein Chocolate 18 Servings Whey Protein Vanilla 18 Servings Whole Food Organic Fiber 32 Servings

#### Mushroom Wisdom<sup>®</sup>

#### Product Name

Lion's Mane Amyloban 180 Tablets Maitake D-Fraction PRO 4X 120 Tablets Maitake D-Fraction PRO 4X 30 mL Maitake D-Fraction PRO 4X 60 mL Maitake D-Fraction STANDARD 120 Capsules Maitake D-Fraction STANDARD 60 mL Super Cordyceps 120 Tablets Super Coriolus 120 Tablets Super Lion's Mane 120 Tablets Super Reishi 120 Tablets Super Shiitake 120 Tablets

#### **Nature's Sources**

**Product Name** 

AbsorbAid Digestive Support 240 Capsules AbsorbAid Digestive Support 83 Servings AbsorbAid Digestive Support 90 Capsules AbsorbAid Platinum Super Digestive Blend 60 Capsules Kolorex Foot & Toe Care 0.88 oz

#### Neurohacker™

Product Name Qualia Mind 105 Capsules Qualia Mind 35 Capsules Qualia Mind Essentials 25 Capsules Qualia Mind Essentials 75 Capsules Qualia Night 20 Capsules Qualia Night 60 Capsules Qualia Nootropic Energy 2 oz Shot 6-Pack

#### Neuropathy Factor<sup>™</sup>

Product Name Neuro H2 Berry Splash 60 Tablets Neuro H2 Natural Flavor 60 Tablets

#### NFH

#### **Product Name**

Arabino SAP 50 Servings Berberine SAP 90 Capsules Coriolus Versicolor SAP 60 Capsules D-Ribose SAP 50 Servings Grape Seed SAP 60 Capsules Maitake SAP 60 Capsules Mushroom Complex SAP 90 Capsules Ox Bile SAP 90 Capsules Reishi SAP 60 Capsules Shiitake SAP 60 Capsules

Trident SAP 66:33 120 Softgels

## Zinc SAP 60 Softgels

#### Product Name Algae Omega 120 Softgels Baby's Vitamin D3 0.37 fl oz Children's Eye Health Gummies Strawberry Lemonade 30 Gummies DHA Infant 2 fl oz **DHA Junior 180 Softgels** Kids Nordic Flora Probiotic Gummies Merry Berry Punch 60 Gummies Nordic Berries Cherry Berry 120 Gummy Berries Nordic Berries Original Flavor 120 Gummy Berries Nordic Omega-3 Fishies 36 Fishies Nordic Omega-3 Gummies 120 Gummies ProDHA 1000 120 Softgels ProDHA 120 Softgels ProEPA 120 Softgels **ProEPA with Concentrated GLA 60 Softgels** ProOmega 120 Softgels ProOmega 180 Softgels ProOmega 2000 120 Softgels ProOmega 2000 60 Softgels ProOmega 2000 Jr. 60 Softgels ProOmega 2000-D 120 Softgels ProOmega 60 Softgels ProOmega CRP 90 Softgels ProOmega-D 120 Softgels ProOmega-D 180 Softgels ProOmega-D 60 Softgels Vitamin C Gummies Tart Tangerine 120 Gummies Vitamin D3 Kids Gummies Wild Watermelon Splash 60 Gummies Vitamin D3+K2 Gummies Pomegranate 60 Gummies Zero Sugar Curcumin Gummies 60 Gummies

Zero Sugar Melatonin Gummies 60 Gummies

#### **NuGo<sup>®</sup> Nutrition**

#### Product Name

Fiber d'Lish Cinnamon Raisin 16 Bars

Fiber d'Lish Banana Walnut 16 Bars

NuGo Vanilla Yogurt Protein 15 Bars

PROMAX Protein Bar Chocolate Chip Cookie Dough 12 Bars

Smarte Carb Peanut Butter Crunch 12 Bars

Stronger Caramel Pretzel 12 Bars

Stronger Peanut Cluster 12 Bars

#### Nutrasal

Product Name
Cerebra GPC 2 fl oz
LipoZome-B 2 fl oz
LipoZome-C 8 fl oz
PPC Kids Orange Cream 8 oz

#### NutriCology

Product Name Laktoferrin 90 Capsules Mastic Gum 120 Capsules Mucolyxir° 0.4 fl oz OcuDyne II 200 Capsules Organo-Germanium Ge-132 50 Capsules

#### NutriDyn<sup>™</sup>

#### Product Name Fruits & Greens Berry 30 Servings Fruits & Greens Chocolate 27 Servings Fruits & Greens Chocolate Peppermint 27 Servings Fruits & Greens Espresso 27 Servings Fruits & Greens Grape 30 Servings Fruits & Greens Green Tea Melon 30 Servings Fruits & Greens Monk Fruit Blackberry Tangerine 30 Servings Fruits & Greens Monk Fruit Chocolate 27 Servings Fruits & Greens Original Mint 27 Servings Fruits & Greens Pink Lemonade 30 Servings Fruits & Greens Strawberry Kiwi 30 Servings Fruits & Greens TO GO Starter Kit 11 Servings

#### **Nutritional Therapeutics**

#### **Product Name**

NT Factor<sup>®</sup> Advanced Physician's Formula with B-Vitamins 150 Tablets NT-Zymes with NTFactor<sup>®</sup> 180 Capsules NTFactor<sup>®</sup> 90 Tablets NTFactor<sup>®</sup> Healthy Aging 120 Tablets NTFactor<sup>®</sup> Lipids Powder 120 Servings NTFactor<sup>®</sup> Patented Energy Chewable Wafer Mixed Berry 30 Wafers NTFactor<sup>®</sup> with CoQ10 Chewable Wafer Chocolate 30 Wafers NTFactor<sup>®</sup> with D3/K2 Chewable Wafer Vanilla 30 Wafers

#### Optimox

#### **Product Name**

ATP Cofactors 90 Tablets Iodoral IOD-50 30 Tablets Iodoral<sup>®</sup> IOD-12.5 90 Tablets Optivite PMT 180 Tablets

#### Orgain

#### **Product Name**

Clean Protein Grass Fed Protein Shake Creamy Chocolate Fudge 4 Pack Kids Protein Organic Nutrition Shake Chocolate Single Serving Pack Organic Nutrition Shake Creamy Chocolate Fudge 4 Pack Organic Nutrition Shake Creamy Chocolate Fudge 4 Pack Organic Nutrition Shake Creamy Chocolate Fudge Single Serving Pack Organic Nutrition Shake Sweet Vanilla Bean 4 Pack Organic Nutrition Shake Sweet Vanilla Bean Single Serving Pack Organic Protein + Superfoods Protein Powder Plant Based Vanilla Bean 18 Servings Organic Protein Powder Plant Based Peanut Butter 20 Servings Organic Protein Snack Bar Peanut Butter Chocolate Chunk 12 Bars Vegan Organic Nutrition Shake Smooth Chocolate 4 Pack Vegan Organic Nutrition Shake Smooth Chocolate Single Serving Pack Vegan Organic Nutrition Shake Smooth Chocolate Single Serving Pack Vegan Organic Nutrition Shake Smooth Chocolate Single Serving Pack Vegan Organic Nutrition Shake Smooth Chocolate Single Serving Pack Vegan Organic Nutrition Shake Smooth Chocolate Single Serving Pack Vegan Organic Nutrition Shake Smooth Chocolate Single Serving Pack Vegan Organic Nutrition Shake Smooth Chocolate Single Serving Pack

#### Organic India®

#### Product Name

Ashwagandha 90 Capsules **Ceylon Cinnamon 90 Capsules** Joy! 90 Capsules Liver Kidney 90 Capsules **Memory 90 Capsules** Moringa 90 Capsules Moringa Powder 113 Servings Neem 90 Capsules Peaceful Sleep 90 Capsules **Triphala 90 Capsules** Tulsi - Holy Basil 90 Capsules Tulsi Ashwagandha 18 Bags **Tulsi Cleanse 18 Bags** Tulsi Green 18 Bags Tulsi Hibiscus 18 Bags Tulsi Honey Chamomile 18 Bags **Tulsi Lemon Ginger 18 Bags** Tulsi Masala Chai 18 Bags

Tulsi Moringa 18 Bags Tulsi Original 18 Bags Tulsi Peppermint 18 Bags Tulsi Sleep 18 Bags Tulsi Sweet Rose 18 Bags Tulsi Turmeric Ginger 18 Bags Turmeric Formula 90 Capsules

#### Passport to Organics

Product Name Avocado Eye Cream 0.5 oz Charcoal Cleanser 4 oz Hyaluronic Acid Serum 2 oz Pumpkin Peel Mask 3 oz Turmeric Serum 1 oz Vitamin C Toner 4 oz

#### Progressive Professional®

Product Name Allergy Modulator<sup>\*</sup> 120 Capsules Brilliant Vision with Seanol-P 90 Capsules Daily Resilience<sup>\*</sup> 180 Capsules Digestin 60 Capsules GC-MSM 3550<sup>\*</sup> 120 Capsules Keto Resilience<sup>\*</sup> 15 Servings Probiotic Broad Spectrum 30 Caplets Prosta Glan 120 Capsules TestosterZone 180 Capsules U-Tract<sup>\*</sup> 26 Servings

#### ProHealth

Product Name FibroSleep 60 Capsules Super Immune Boost Pro 30 Capsules

#### **ProLon Professional**

Product Name ProLon<sup>®</sup> Original Kit

#### QOL Labs

Product Name Bifilon 60 Capsules ImmunoKinoko 500 90 Capsules Metasol 30 Capsules

#### Quicksilver

Product Name Artemisinin Emulsion 4 oz Bitters No.9 1.7 fl oz

#### BitterX 1.7 fl oz

D3K2 1.7 fl oz GABA with L-Theanine 1.7 fl oz Liver Sauce 3.38 fl oz Melatonin Professional Dose 1 fl oz Methyl B Complex 1.7 fl oz Methyl B-12 1 fl oz Nanoemulsified Cat's Claw Elite<sup>\*</sup> 1.7 oz Nanoemulsified Milk Thistle 1.7 oz Push Catch Liver Detox Kit Quinton Hypertonic 30 Servings Quinton Isotonic 30 Servings Ultra Binder<sup>\*</sup> Sensitive Formula 30 Servings Ultra Binder<sup>\*</sup> Stick Packs 20 Servings Ultra Vitamin 3.38 fl oz Vitamin C 4 fl oz

#### **Range Essentials**

#### **Product Name**

FLOW BLEND (Roller Bottle 1mL) FLOW BLEND (Roller Bottle 30mL) FLOW BLEND (Roller Bottle 5mL) FLOW BLEND Kit 2 in 1 (10ML + Roller Bottle 1mL)

#### **Restorative Formulations**<sup>™</sup>

Product Name Adaptogen 75 Capsules Adrenal Px Balance 75 Capsules Adrenal Px DHEA 75 Capsules

Adrenal Px L-BP 75 Capsules Cardiac Calm Px 60 Capsules Cholesterol Care 120 Capsules HTN 180 Px-Extra Strength 60 Capsules Metabolic Nutrition 60 Capsules Mitochondria Nutrition PQQ 60 Capsules PCO Px 75 Capsules ThyroCare 75 Capsules

#### **RLC Labs**

Product Name

Thyroid Px 75 Capsules

a-Drenal 120 Capsules i-Throid 12.5mg 90 Capsules i-Throid 6.25mg 90 Capsules

#### **Rx Vitamins**°

Product Name

Acid Block 60 Chewable Tablets

Activated Enzyme Formula 90 Capsules Advanced Immune Support 60 Capsules Advanced Prostate Formula 90 Softgels Bone Density Formula 180 Capsules Buffered C 90 Capsules Chewable Cal/Mag 90 Chewable Tablets Chewable Licorice 90 Chewable Tablets Children's Multi-Vitamins 90 Chewable Tablets Testost Rx 90 Capsules ThyRx-7 60 Capsules

#### Sanesco

Product Name Adaptacin" 60 Tablets Contegra" 60 Capsules Lentra" 30 Capsules Lentra" 60 Capsules MethylMax" 60 Capsules Procite-D" 60 Capsules Prolent" 60 Capsules Somni-TR" 30 Tablets

#### **Symphony Natural Health**

#### **Product Name**

FemmenessencePRO Harmony 90 Capsules FemmenessencePRO Peri Menopause 180 Capsules FemmenessencePRO Post Menopause 180 Capsules HerbatoninPRO 0.3mg Plant Melatonin 120 Capsules Original Himalayan Crystal Salt<sup>®</sup> Bath Crystals 1 kg Original Himalayan Crystal Salt<sup>®</sup> Coarse Granulated 1 kg Original Himalayan Crystal Salt<sup>®</sup> Crystal Stones 1 kg Original Himalayan Crystal Salt<sup>®</sup> Fine Granulated 1 kg RevolutionPRO Men's Hormone Health 180 Capsules

#### **T.A. Sciences**

Product Name TA-65MD 100 units 30 Capsules

#### Trace Minerals®

Product Name 40,000 VOLTS! 8 fl oz Apple Cider Vinegar Gummies 60 Gummies Colloidal Silver 30ppm 8 fl oz Colloidal Silver Spray 30ppm 4 fl oz ConcenTrace<sup>®</sup> Trace Mineral Drops 2 fl oz ConcenTrace<sup>®</sup> Trace Mineral Drops 8 fl oz Elderberry Immunity Powder Lemon Berry 50 Servings Electrolyte Stamina Power Pak Acai Berry 30 Servings Electrolyte Stamina Power Pak Concord Grape 30 Servings Electrolyte Stamina Power Pak Lemon Lime 30 Servings Electrolyte Stamina Power Pak Mixed Berry 30 Servings Electrolyte Stamina Power Pak Orange Blast 30 Servings Electrolyte Stamina Power Pak Pomegranate Blueberry 30 Servings Electrolyte Stamina Power Pak Raspberry 30 Servings Electrolyte Stamina Power Pak + Lemon Berry 30 Servings Electrolyte Stamina Tablets 90 Tablets Ionic Boron 2 fl oz Ionic Zinc 50mg 2 fl oz Mega-Mag 400mg 4 fl oz Zinc + Vitamin C Chewable Raspberry Flavor 60 Chewable Wafers

#### **Transformation Enzyme**

Product Name Carbo-G\* 90 Capsules Digest\* 90 Capsules DigestZyme\* 120 Capsules LypoZyme 60 Capsules Protease 60 Capsules

#### TruGen3°

Product Name CurcuVES 60 Softgels TG3 Heart Support 120 Capsules TG3 Multi 60 Tablets TruEase + Curcumin 30 Softgels TruEase 30 Softgels

#### Vital Proteins®

- Product Name
- Beef Gelatin 23 Servings Beef Liver 120 Capsules Bone Broth Collagen Chicken 28 Servings Collagen Creamer Coconut 12 Servings Collagen Creamer Mocha 12 Servings Collagen Creamer Vanilla 12 Servings Collagen Creamer Vanilla 14 Servings Collagen Peptides 14 Servings Collagen Peptides 28 Servings Collagen Peptides Stick Pack Box 20 Servings Marine Collagen 18 Servings Vitality Immune Booster\*\* Clementine 14 Servings

#### Vitanica®

#### Product Name

Adrenal Assist<sup>™</sup> 90 Capsules Bladder Ease 180 Capsules Butterbur Extra 120 Capsules CandidaStat<sup>™</sup> 120 Capsules **Chaste Tree Berry 60 Capsules** CholestBlend 90 Capsules CranStat Extra® 60 Capsules Fem Rebalance<sup>™</sup> 60 Capsules Fem Vitality 60 Capsules Fibro Formula 60 Capsules GABA Ease<sup>™</sup> 60 Capsules Immune Tonic 4 oz Iron Extra<sup>™</sup> 60 Capsules Lysine Extra 60 Capsules **MindBlend 60 Capsules OvaBlend 180 Capsules Ovulation Assist 60 Capsules** PhytoEstrogen Herbal 25 Servings **Pregnancy Prep 60 Capsules** Rauwolfia Extra<sup>™</sup> 90 Capsules Skin Assist<sup>™</sup> 180 Capsules Slow Flow<sup>™</sup> 60 Capsules VeinoBlend 90 Capsules Women's Phase II<sup>®</sup> 180 Capsules Women's Phase I<sup>™</sup> 60 Capsules

#### Wise Woman Herbals

Product Name Adrenal Tonic 2 fl oz Bitter Tonic 2 fl oz Bittersweet Elixir 2 fl oz Bottom's Up Balm 1 oz Elderberry Syrup 2 fl oz Fiber Flow Capsules 120 Capsules Hawthorn Solid Extract 2 fl oz Hepacaps 90 Capsules Hoxsey-Like Formula 2 fl oz Kalmerite Glycerite 2 fl oz Licorice Solid Extract 2 fl oz Liquid Serenity 2 fl oz Phytoest 2 fl oz Phytoprogest 2 fl oz Throat Mist 2 fl oz Women's Menocaps 120 Capsules

#### **XYMOGEN**°

**Product Name** 5-HTP CR 60 Tablets 5-MTHF 60 Capsules 5-MTHF ES 60 Capsules 5-MTHF Plus B12 Cherry 30 Tablets 5-MTHF Plus B12 Cherry 60 Tablets 6 Day Detox Micro Kit ActivEssentials<sup>™</sup> 60 Packets ActivEssentials<sup>™</sup> for Women 60 Packets ActivEssentials<sup>™</sup> with Calcium 60 Packets ActivEssentials<sup>™</sup> with OncoPLEX<sup>™</sup> & D3 60 Packets ActivNutrients® 120 Capsules ActivNutrients® 240 Capsules ActivNutrients<sup>®</sup> Chewable Mixed Berry 120 Tablets ActivNutrients<sup>®</sup> Chewable Mixed Berry 60 Tablets ActivNutrients<sup>®</sup> without Copper & Iron 120 Capsules ActivNutrients<sup>®</sup> without Copper & Iron Multivitamin Powder Fruit **Punch 60 Servings** ActivNutrients<sup>®</sup> without Iron 120 Capsules ActivNutrients<sup>®</sup> without Iron 240 Capsules ActivNutrients<sup>®</sup> without Iron 60 Capsules Adeno+Hydroxo B12 Natural Fruit Punch Flavor 60 Tablets Adrenal Essence<sup>®</sup> 120 Capsules Adrenal Essence<sup>®</sup> 60 Capsules Adrenal Manager<sup>™</sup> 120 Capsules Adrenal Manager<sup>™</sup> 60 Capsules Adrenaliv<sup>®</sup> 120 Capsules Adrenaliv<sup>®</sup> 60 Capsules AdrenaMax<sup>™</sup> 120 Capsules ALAmax<sup>™</sup> CR 120 Tablets ALAmax<sup>™</sup> CR 60 Tablets ALAmax<sup>™</sup> Protect 120 Capsules AllerDHQ<sup>™</sup> 120 Capsules AllerDHQ<sup>™</sup> 60 Capsules AngiNOX<sup>™</sup> Orange 30 Servings AngiNOX<sup>™</sup> Orange 60 Servings Appe-Curb<sup>™</sup> 120 Capsules Appe-Curb<sup>™</sup> 240 Capsules Ashwagandha 35 60 Capsules ATP Ignite<sup>™</sup> Citrus 10 Servings Sample Carton ATP Ignite<sup>™</sup> Citrus 30 Servings ATP Ignite<sup>™</sup> Mixed Berry 10 Servings Sample Carton ATP Ignite<sup>™</sup> Mixed Berry 30 Servings ATP Ignite<sup>™</sup> Workout Mixed Berry 30 Servings B Activ<sup>®</sup> 180 Capsules B Activ<sup>®</sup> 90 Capsules

B12 Methylcobalamin 1.8 oz. **Benfotiamine 120 Capsules Berberine 120 Capsules** Berberine with InSea2° 60 Capsules BergaCor 30 Tablets BergaCor 60 Tablets **BergaCor Plus 60 Tablets** Bio C 1:1<sup>™</sup> 90 Capsules BrainSustain<sup>™</sup> Creamy Chocolate 10 Servings BrainSustain<sup>™</sup> for Kids Vanilla Delight 15 Servings BrainSustain<sup>™</sup> Vanilla Delight 10 Servings **Buffered C Powder Fruit Punch 20 Servings Calcium D-Glucarate 90 Capsules** Candicidal<sup>™</sup> 60 Capsules CarniteX<sup>™</sup> 60 Capsules CheleX<sup>™</sup> 120 Capsules CholeRex<sup>™</sup> 60 Capsules CinnDromeX<sup>™</sup> 120 Capsules Cogniquil<sup>®</sup> 60 Capsules ColonX<sup>™</sup> 120 Capsules ColonX<sup>™</sup> 60 Capsules ConjuLean 1000<sup>™</sup> 120 Softgels CoQmax<sup>™</sup> Omega 100 mg 60 Softgels CoQmax<sup>™</sup> Omega 50 mg 120 Softgels CoQmax<sup>™</sup> Omega 50 mg 30 Softgels CoQmax<sup>™</sup> Ubiquinol 200 mg 30 Softgels CoQmax<sup>™</sup> Ubiquinol 60 Softgels CoQmax<sup>™</sup>-100 ME 60 Softgels Corticare B<sup>™</sup> 120 Capsules Corticare B<sup>™</sup> 240 Capsules Cortisolv<sup>®</sup> 120 Capsules Cortisolv<sup>®</sup> 60 Capsules Curcumin 3.9 oz. CurcuPlex CR<sup>™</sup> 120 Tablets CurcuPlex CR<sup>™</sup> 60 Tablets CurcuPlex-95<sup>™</sup> 120 Capsules CurcuPlex-95<sup>™</sup> 60 Capsules D3 2000 120 Softgels D3 2000 240 Softgels D3 5000 180 Softgels D3 5000 60 Softgels D3 5000 90 Softgels D3 Liquid 1 oz. D3 Liquid 2.03 oz. **DHA from Algae 60 Softgels** DHEA Micronized 10mg 60 Tablets DHEA Micronized 25mg 60 Tablets

DIMension 3° 120 Capsules DIMension 3° 240 Capsules DioVasc<sup>™</sup> 60 Capsules Drainage 1 oz. Femguil<sup>®</sup> 120 Capsules FIT Food<sup>®</sup> Lean Collagen Mocha Latte 14 Servings FIT Food<sup>®</sup> Lean Complete Dutch Chocolate 10 Servings FIT Food<sup>®</sup> Lean Complete Dutch Chocolate Sugar- & Stevia-Free 10 Servings FIT Food<sup>®</sup> Lean Complete French Vanilla 10 Servings FIT Food<sup>®</sup> Lean Complete French Vanilla Sugar- & Stevia-Free 10 Servings FIT Food<sup>®</sup> Lean Creamy Chocolate 10 Servings FIT Food<sup>®</sup> Lean Vanilla Delight 10 Servings FIT Food<sup>®</sup> Lean Whey Creamy Chocolate No Added Sugar, No Stevia 10 Servings FIT Food<sup>®</sup> Lean Whey Vanilla Delight No Added Sugar, No Stevia 10 Servings FlashArrest<sup>®</sup> 60 Capsules Folafy<sup>®</sup> ER 30 Tablets **Foundation Essentials 30 Packets** GarliX<sup>™</sup> 90 Capsules GastrAcid<sup>™</sup> 180 Capsules GastrAcid<sup>™</sup> 90 Capsules GI Protect<sup>™</sup> Cherry Sugar- & Stevia-Free 30 Servings GI Protect<sup>™</sup> Peach Sugar- & Stevia-Free 30 Servings GlutAloeMine® 30 Servings GlutAloeMine® 60 Servings Glutathione Plus 1.8 oz. Green Tea 600<sup>™</sup> 60 Capsules HistDAO<sup>™</sup> 60 Capsules Hormone Protect<sup>®</sup> 120 Capsules Hormone Protect<sup>®</sup> 60 Capsules I-Sight<sup>™</sup> 60 Capsules i5<sup>™</sup> Creamy Chocolate 10 Servings i5<sup>™</sup> Energize Vanilla Latte 10 Servings i5<sup>™</sup> Vanilla Delight 10 Servings IG 26 DF 120 Capsules IG 26 DF 67.5 Servings IG 26 Plus DF Vanilla 30 Servings IgG 2000 CWP<sup>™</sup> 120 Capsules IgG 2000 CWP<sup>™</sup> 25 Servings IgG 2000 CWP<sup>™</sup> 75 Servings IgG Pure<sup>™</sup> 15 Servings Immune Essentials<sup>™</sup> 45 Capsules ImmunotiX 250<sup>™</sup> 30 Capsules ImmunotiX 500<sup>™</sup> 20 Capsules ImmunotiX 500<sup>™</sup> 60 Capsules

Iron Glycinate 120 Capsules K-Mg Citrate<sup>™</sup> 60 Capsules K2 Liquid 1 oz. K2-45 60 Capsules K2-D3 10,000 120 Capsules K2-D3 10,000 60 Capsules K2-D3 5000 120 Capsules K2-D3 5000 60 Capsules L-Glutamine 85 Servings L-Lysine 90 Capsules L-Theanine 120 Capsules L-Theanine 60 Capsules Leptin Manager<sup>™</sup> 30 Capsules LipotropiX<sup>™</sup> 120 Capsules Liver Protect<sup>™</sup> 120 Capsules Liver Protect<sup>™</sup> 60 Capsules Magnesium Citrate 120 Capsules MaX Hypothalamus/Pituitary 60 Capsules MedCaps DPO<sup>™</sup> 120 Capsules MedCaps GI<sup>™</sup> 120 Capsules MedCaps IS<sup>™</sup> 60 Capsules MedCaps Menopause<sup>™</sup> 120 Capsules MedCaps T3<sup>™</sup> 120 Capsules **Melatonin CR 180 Tablets Melatonin CR 90 Tablets Melatonin Peppermint 120 Tablets Melatonin Peppermint 60 Tablets** MemorAll<sup>™</sup> 60 Capsules MenoFem<sup>™</sup> 90 Capsules Methyl Protect<sup>®</sup> 120 Capsules Methyl Protect® 60 Capsules Methylcobalamin 120 Tablets Methylcobalamin 60 Tablets MinRex<sup>®</sup> 120 Capsules **Mitochondrial Renewal Kit 60 Packets** Mood Food<sup>™</sup> 60 Capsules Mood Food<sup>™</sup> ES 120 Capsules Mood Food<sup>™</sup> ES 60 Capsules N.O.max<sup>™</sup> ER 180 Tablets NAC 120 Capsules NAC 60 Capsules Nattokinase 120 Capsules Nattokinase 60 Capsules NeuroActives<sup>™</sup> BrainSustain<sup>™</sup> 120 Capsules NeuroActives<sup>™</sup> BrainSustain<sup>™</sup> 240 Capsules NeurophX DPN° 60 Capsules New Zealand Whey Protein Isolate 30 Servings

NiaVasc<sup>™</sup> 120 Tablets NiaVasc<sup>™</sup> 360 Tablets NiaVasc<sup>™</sup> 750 120 Tablets NiaVasc<sup>™</sup> 750 60 Tablets Nrf2 Activator<sup>™</sup> 30 Capsules Nrf2 Activator<sup>™</sup> 60 Capsules OlivDefense<sup>®</sup> 20 Capsules Omega MonoPure<sup>®</sup> 1300 EC 120 Softgels Omega MonoPure® 1300 EC 60 Softgels Omega MonoPure<sup>®</sup> 650 EC 120 Softgels Omega MonoPure<sup>®</sup> 650 EC 60 Softgels Omega MonoPure<sup>®</sup> Curcumin EC 30 Softgels Omega MonoPure<sup>®</sup> DHA EC 30 Softgels Omega MonoPure<sup>®</sup> EPA EC 30 Softgels Omega MonoPure<sup>®</sup> EPA EC 60 Softgels OmegaPure 600 EC<sup>™</sup> 120 Softgels OmegaPure 600 EC<sup>™</sup> 60 Softgels OmegaPure 780 EC<sup>™</sup> 120 Softgels OmegaPure 820<sup>™</sup> 120 Softgels OmegaPure 900 EC<sup>™</sup> 120 Softgels OmegaPure 900 EC<sup>™</sup> 90 Softgels OmegaPure 900-TG<sup>™</sup> 120 Softgels OncoPLEX ES<sup>™</sup> 60 Capsules OncoPLEX<sup>™</sup> 120 Capsules OncoPLEX<sup>™</sup> 30 Capsules OptiCleanse<sup>®</sup> GHI Chai 10 Servings OptiCleanse<sup>®</sup> GHI Creamy Chocolate 10 Servings OptiCleanse<sup>®</sup> GHI Creamy Chocolate Sugar- & Stevia-Free 10 Servings OptiCleanse<sup>®</sup> GHI Vanilla Delight 10 Servings OptiCleanse<sup>®</sup> GHI Vanilla Delight Sugar- & Stevia-Free 10 Servings **OptiCleanse**<sup>®</sup> Plus Creamy Chocolate 10 Servings OptiCleanse<sup>®</sup> Plus Vanilla Delight 10 Servings OptiFiber<sup>®</sup> Lean 180 Capsules OptiFiber<sup>®</sup> Lean 30 Servings OptiMag<sup>®</sup> 125 120 Capsules OptiMag<sup>®</sup> 125 240 Capsules OptiMag<sup>®</sup> Neuro Lemon-Lime 60 Servings OptiMag<sup>®</sup> Neuro Mixed Berry 30 Servings OptiMag<sup>®</sup> Neuro Mixed Berry 60 Servings OptiMag<sup>®</sup> Neuro Unflavored 60 Servings OptiMag<sup>®</sup> Plus Calcium Pear 30 Servings OptiMetaboliX<sup>™</sup> 2:1 Vanilla Delight 10 Servings OptiMetaboliX<sup>™</sup> Vanilla Delight No Added Sugar, No Stevia 10 Servings Oraxinol<sup>™</sup> 60 Capsules OrganiX<sup>™</sup> PhytoFood<sup>™</sup> 30 Servings OSAplex MK-7<sup>™</sup> 60 Packets OSAplex<sup>™</sup> 60 Packets

Ossopan 1100<sup>™</sup> 120 Capsules Ossopan MD<sup>™</sup> 120 Capsules Ossopan MD<sup>™</sup> 240 Capsules PanXyme pH<sup>™</sup> 180 Capsules PanXyme pH<sup>™</sup> 90 Capsules PepciX<sup>™</sup> 60 Tablets PhosphaLine<sup>™</sup> 100 Softgels PhosphaLine<sup>™</sup> Liquid 8 oz. PMS Soothe<sup>™</sup> 60 Capsules PrebioMax Natural Sour Apple 60 Tablets **Prenatal Essentials 150 Capsules** Probio Defense<sup>™</sup> 84 Capsules ProbioMax<sup>®</sup> 350 DF 15 Servings ProbioMax<sup>®</sup> Complete DF 30 Capsules ProbioMax<sup>®</sup> Daily DF 30 Capsules ProbioMax<sup>®</sup> Daily DF 60 Capsules ProbioMax® DF 30 Capsules ProbioMax<sup>®</sup> IG 26 DF 120 Capsules ProbioMax<sup>®</sup> Lean DF 30 Capsules ProbioMax® Plus DF 30 Servings ProbioMax<sup>®</sup> Sb DF 30 Capsules Prostate FLO<sup>™</sup> 60 Softgels ProteoXyme<sup>™</sup> 100 Capsules **Red Yeast Rice 30 Capsules Red Yeast Rice 60 Capsules** RegeneMax<sup>®</sup> Liquid 1 oz. RegeneMax<sup>®</sup> Plus 120 Capsules RegeneMax<sup>®</sup> Plus 60 Capsules RelaxMax<sup>™</sup> Cherry 60 Servings RelaxMax<sup>™</sup> Unflavored 60 Servings Resveratin<sup>™</sup> Plus 60 Capsules S-Acetyl Glutathione 120 Capsules S-Acetyl Glutathione 60 Capsules Saccharomycin<sup>®</sup> DF 120 Capsules Saccharomycin® DF 20 Capsules Saccharomycin® DF 60 Capsules Saloxicin<sup>™</sup> 120 Capsules SAM-e & TMG Lemon 30 Servings SAM-e 30 Capsules SynovX° Calm 60 Capsules SynovX° DJD 120 Capsules SynovX<sup>®</sup> Metabolic 30 Capsules SynovX<sup>®</sup> Metabolic 60 Capsules SynovX<sup>®</sup> Performance 60 Capsules SynovX<sup>®</sup> Recovery 120 Capsules SynovX° Tendon & Ligament 60 Capsules T-150 120 Capsules

T-150 60 Capsules TestoPlex<sup>™</sup> Plus 120 Capsules TestoPlex<sup>™</sup> Plus 60 Capsules UritraX<sup>™</sup> 50 Servings VegaPro<sup>™</sup> 14 Servings Vinpocetine 60 Capsules Viragraphis<sup>™</sup> 60 Capsules VitalVasc<sup>®</sup> 60 Capsules Xcellent A 3000 60 Capsules Xcellent A 7500 60 Capsules Xcellent C<sup>™</sup> 120 Capsules Xcellent E<sup>™</sup> 60 Softgels XenoProtX<sup>™</sup> 120 Capsules XymoBolX<sup>™</sup> Fruit Punch 30 Servings XymoBolX<sup>™</sup> Lemon 30 Servings XymoDine<sup>™</sup> 90 Capsules XYMOGEN<sup>°</sup> Shaker Bottle 20 oz. XymoZyme<sup>®</sup> 120 Capsules XymoZyme<sup>®</sup> 60 Capsules Zinc Glycinate 120 Capsules

#### Yeouth

**Product Name** 

Anti-Aging System Forties+ 8 Pack Complete Anti-Aging System 5 Pack Day/Night Cream 2 oz Glycolic Acid 30% Gel Peel 1 oz Hyaluronic Acid Plus 1 oz Neck Firming Cream 2 oz Pure Hyaluronic Acid 1 oz Retinol Eye Cream 1 oz Retinol Serum 1 oz Vitamin C&E Serum 1 oz

#### Zahler®

#### **Product Name**

Biotin Gummies for Kids 60 Gummies Bone Gummies for Kids 60 Gummies ChildCalm 60 Chewable Tablets Fiber Gummies for Kids 60 Gummies KidsActive Powder 30 Servings Mighty Mini Prenatal+DHA 90 Softgels Multivitamin Beauty 60 Capsules Multivitamin Brainfood 60 Capsules Multivitamin Immune 60 Capsules Multivitamin One Daily 60 Capsules ParaGuard 4 fl oz ParaGuard 90 Softgels Prenatal+DHA 60 softgels ProstAid+ 60 Softgels StressMaster 120 Capsules Vitamin D3 120 Capsules Zinc Lozenges Elderberry Flavor 90 Lozenges

#### Zhang Health<sup>®</sup>

Product Name Allicin 60 Capsules Circulation P 45 Capsules Coptis 90 Capsules HH-M Maximum STR 45 Capsules

#### **ZyCal Bioceuticals**

#### Product Name

Chondrinol® Advanced 300 30 Capsules Chondrinol® Advanced 400 30 Capsules Chondrinol® Extra Strength 90 Tablets Gastrotene® 60 Capsules Ostinol® Advanced 185 30 Capsules Ostinol® Advanced 250 30 Capsules Ostinol® Advanced 325 30 Capsules Ostinol® Advanced 475 30 Capsules Ostinol® Advanced 5X 60 Capsules Pro-stiminol® Advanced 400 30 Capsules

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#### Ayla Barmmer, MS, RD, LDN

Founder and Clinical Director, Boston Functional Nutrition

Founder and CEO, Full Circle Prenatal

Vital Proteins' Medical Advisory Board Member Collagen is a foundational part of many of our clients' functional nutrition plans because of its huge range of benefits and applications for people throughout their lifespan.

Like anything I use in practice, I need to know the sourcing and quality is to my exacting standards and Vital Proteins meets all of those requirements and more.

This is easily the product we have the highest patient compliance with due to its versatility in foods and beverages and how good people feel using it."



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# Support for IMMUNE Challenges\*

PROMOTES HEALTHY IMMUNE FUNCTION\*

> PROVIDES ANTIOXIDANT ACTIVITY\*

SUPPORTS THE BODY'S DEFENSES AGAINST IMMUNE CHALLENGES\*



\*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.