

**Jobenomics** specializes in the mass-production of startup businesses and careers in underserved communities.



**Discussion Topics: (1) Introduction to Jobenomics, (2) launching a Jobenomics Cando partnership, and (3) implementing potential Jobenomics pilot programs.**

To: **Council for the Advancement of Native Development Officers** (Cando)

By: **Chuck Vollmer**, Jobenomics Founder & President

17 August 2021

# Jobenomics



## Founder, Chuck Vollmer

- Decorated combat fighter pilot and Fortune 50 executive now serving the underserved
- Founded hundreds of startup programs
- Author of fourteen books/e-books and ninety special reports on economic, community, business and workforce development

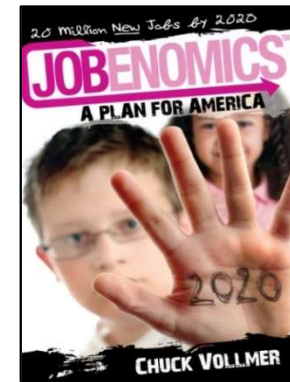


Chuck Vollmer



## International Grassroots Movement

- Jobenomics chapters on four continents
- Dozens of U.S. regional, city, and neighborhood chapters in under-resourced communities
- Several dozen highly scalable turnkey programs, implementable within a year.
- Extensive free library at [Jobenomics.com](http://Jobenomics.com)



**[Jobenomics.com](http://Jobenomics.com)**

**Primary focus: mass-producing turnkey startup businesses in  
underserved and under-resourced communities.**

# Jobenomics Book & eBooks



**Extensive research on economic, community, business and workforce development.**



# Jobenomics-Sprung Alliance *(First Nation Examples)*



**Kainai Center**



**Pikani Nation Ice Rink**



**Pow Wow Structures**



**Community Centers/Retail**

**Sprung builds the “instant” structures. Jobenomics creates the startup businesses and jobs that occupy these structures.**

# Sprung “Wow” Factor

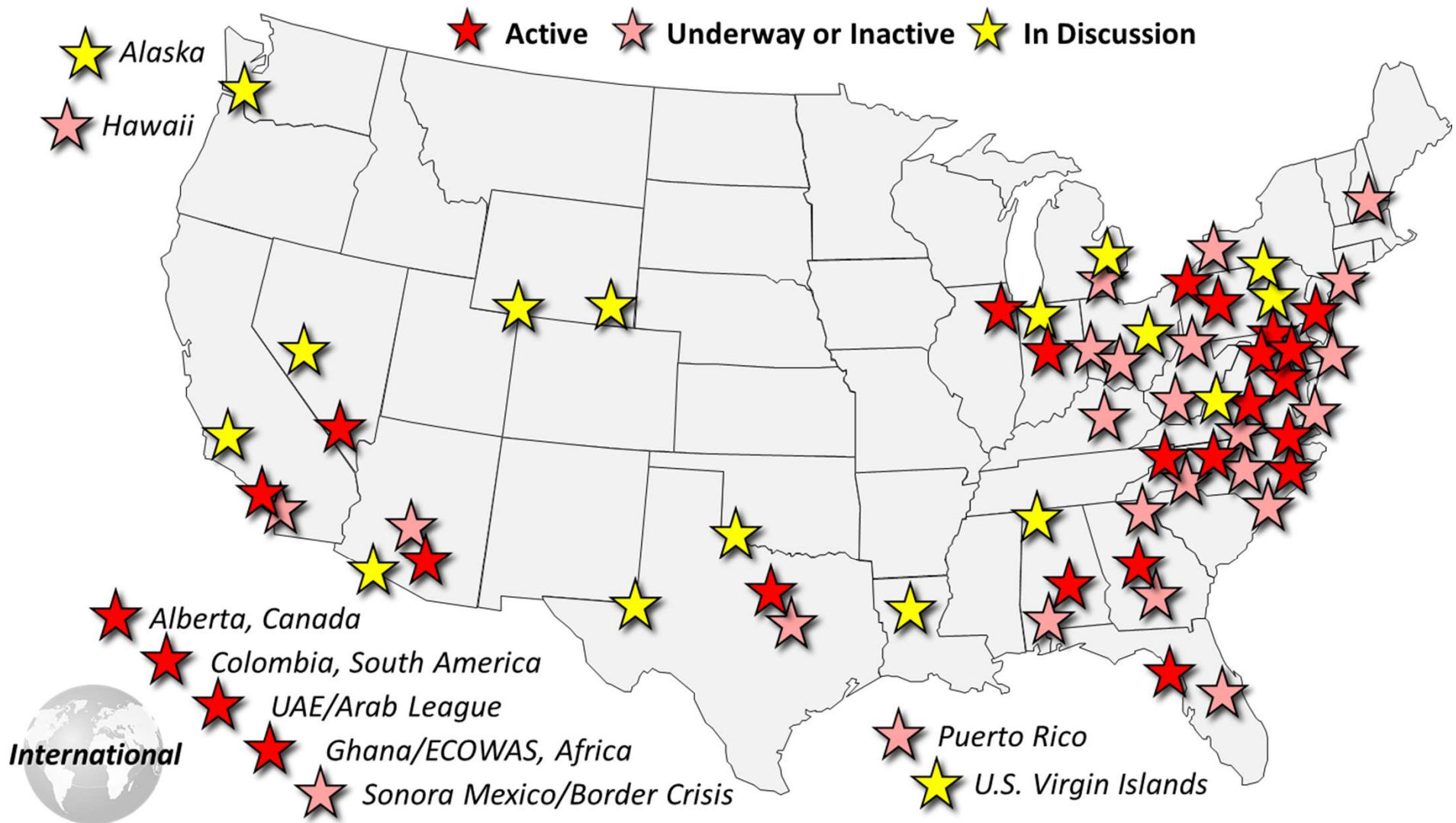
12,000 structures in 110 countries.



The world’s **two richest men** used Sprung for their **flagship efforts**. Jobenomics uses Sprung for the same reason (plus cost effectiveness).



# Jobenomics Chapters



**Since 2016, dozens of communities have started Jobenomics chapters that are in various stages of development.**

# Jobenomics Canada



## Detailed Presentation

Chuck Vollmer, Jobenomics Founder & President  
Leann Hackman-Carty, Jobenomics Canada Director  
12 March 2019



## “Can a Jobenomics Movement In Alberta Help Create the Future Jobs We Need?”



To: Economic Developers Alberta 2019 Conference

By: Chuck Vollmer, Jobenomics Founder & President of the  
Jobenomics National Grassroots Movement

4 April 2019



**Leann Hackman-Carty, Director Jobenomics Canada**

# Economic Development Strategies

## Traditional **Top-Down** Approach

Attract One  
\$100,000,000/year  
**Macro Enterprise**



## Jobenomics **Bottom-Up** Approach

Start One-Thousand  
\$100,000/year  
**Micro Businesses & Nonemployer Firms**



Under-resourced communities that cannot attract big companies can mass-produce **startup firms**—the seed corn of local economies.



# Micro & Nonemployer Businesses



- **Micro-businesses** (1 to 19 employees) employ 32 million Americans.
- A **nonemployer** is a small business with no “paid” employees.
  - 27 million firms or 80% of all U.S. businesses
  - Growing significantly faster than traditional businesses
  - Owners make substantially more than wage or salaried jobs.

**Mass-producing micro and nonemployer **startup** businesses is the answer to beleaguered urban communities lacking good-paying jobs.**

# Typical Jobenomics Turnkey Programs



- ✓ **Controlled Environment Agriculture**
  - Circular Agrarian Economy
  - TerreHyOx Organics, Energy Cane, Regenerative Agriculture
- ✓ **Digital Academies & Business Generator Initiative**
  - E-Commerce & Entrepreneur Clubs
  - Content Creation & Cybersecurity Training
- ✓ **Social Determinants of Health (SDOH)**
  - Infectious Disease Testing, Diagnostics & Hygienic Facility Services
  - Direct-Care Startup Business & Information Center
- **Super Oxygenated Water Manufacturing & Distribution**
  - Infused Beverages
  - Environmental Remediation
- **Waste-To-Value Systems**
  - Electronic Waste Materials Reclamation
  - Plastics-to-Biofuels
- **Renewable Energy & Energy Services**
- **Experiential Tourism**
- **Jobenomics Veteran Owned Business Program (JVOBP)**
  - Affordable Veteran-Owned Live/Work/Retire Homes & Communities
  - School Bus Electrification Conversion & Training Center

✓ **Suggested Cando  
Pilot Programs**

**Most programs can be operational within a year.**

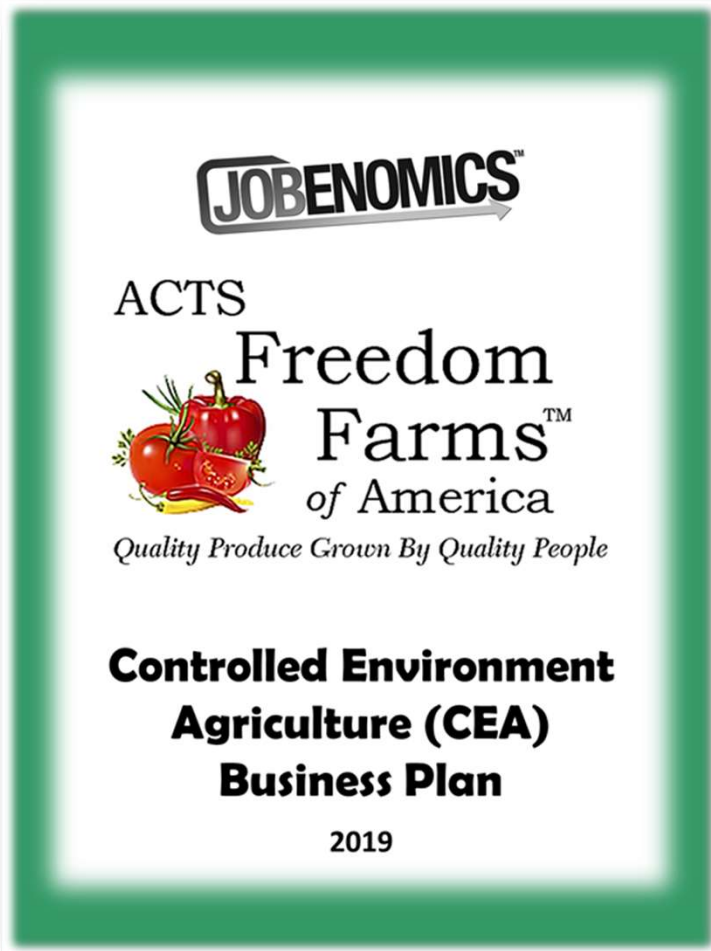


## **Suggested Programs**

- **Controlled Environment Agriculture & Microfarms**
- Jobenomics Digital Academy & Business Generator
- Social Determinants of Health (SDOH)
- Next Steps & Contact Information



# Jobenomics CEA Partners



Jobenomics has turnkey business plans in association with some of the leading CEA companies and experts.

# Controlled Environment Agriculture (CEA)



- CEA is the process of growing high-value plants and fish inside a grow room or greenhouse with ideal growing conditions.
- CEA technologies include:
  - **Traditional** (soil-based growing)
  - **Hydroponics** (soil-less growing of plants in a water solution)
  - **Aeroponics** (a technique where a fine mist delivers nutrients to roots suspended in air).
  - **Aquaculture** (indoor fish farming)
  - **Aquaponics** (a combination of hydroponics and aquaculture fish waste as plant nutrients)

## Centralized Large Growing, Processing & Distribution Center



## Local Small Growing Centers (Microfarms)

**The Jobenomics CEA program is focused on mass-producing agribusinesses, micro-farms and agricultural-related jobs.**

# High Dollar Value CEA Products

## Common Crops

- Culinary Herbs
- Lettuce
- Spinach
- Tomatoes
- Strawberries
- Peppers
- Cucumbers



## Specialty Crops

- Medicinal Herbs
- Wasabi
- Flowers
- Mushrooms
- Ground Covers
- Ornamental Grasses
- Hemp

There is high demand for fresh, locally-grown, organic, herbicide/pesticide free, non-GMO, farm-to-table food.



# Jobenomics-ACTS FFA Veteran Community



Rosamond, California, 1200-Acre Veterans Freedom Farm



Coonan & Bonds Architects [http://www.coonanbonds.com/mies\\_portfolio/acts-freedom-farm/](http://www.coonanbonds.com/mies_portfolio/acts-freedom-farm/)



**2.6 million sq. ft. of indoor controlled environment agriculture, greenhouse village, hotel, farmers market, production and distribution facilities, commercial/community/education/worship centers, and hundreds of affordable single and multifamily homes.**

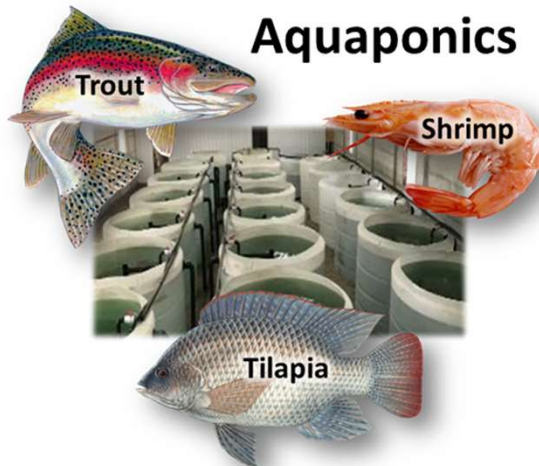
# Jobenomics-Sprung CEA Facility



## Hydroponics



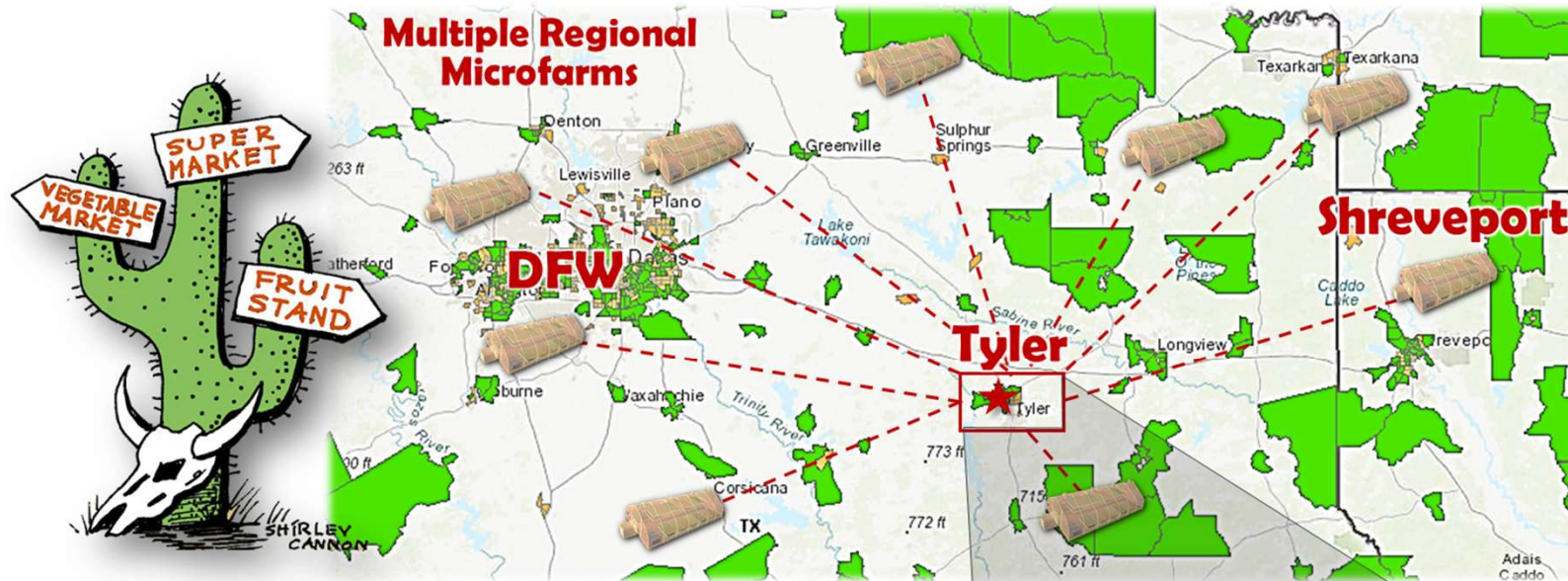
## Aquaponics



**Our fully-equipped 34,500 sq ft CEA Center costs \$2.8 million and can be operational within 6-8 months with a 3.4-year payback period.**



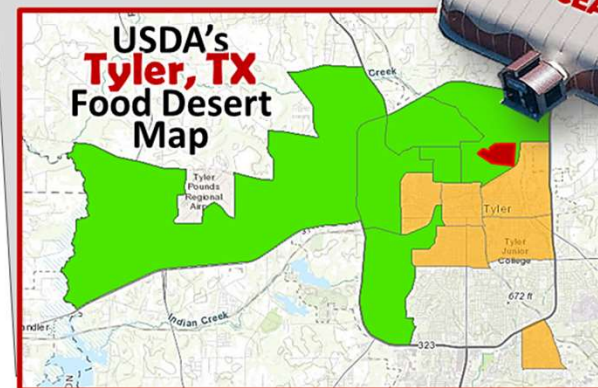
# Microfarms Minimize Food Deserts



USDA Food Desert map showing low-income census tracts where citizens are more than  
■ 1 mile or ■ ½ mile from the nearest wholesome food source



## Central CEA Training & Packaging Center

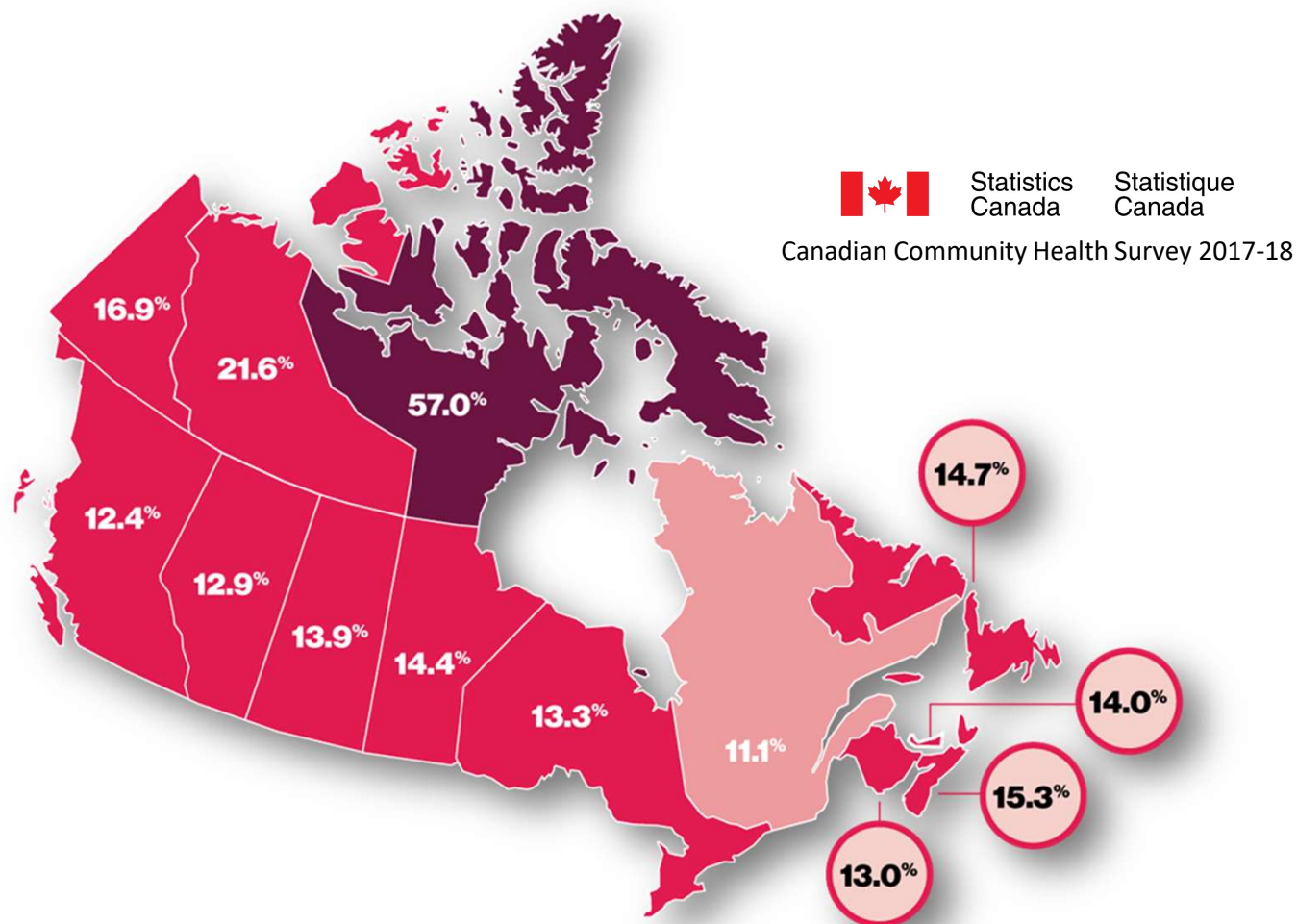


Our 5,000 sq ft CEA microfarm costs around \$500,000 and is operational within 4 months with a 3.4-year payback period.



# Canadian Food Insecurity Map

**78.7% of Nunavut children live in food-insecure households.**



**Highest levels of food insecurity: Nunavut (57.0%), Northwest Territories (21.6%) and Yukon (16.9%).**

# Cold Weather Greenhouses & Housing

5,000 SF CEA Microfarm



8 Acre Newfoundland Greenhouse



Arctic Watch Wilderness Houses & Lodge



**Ideal structures for cold climate startup businesses.**



## **Suggested Programs**

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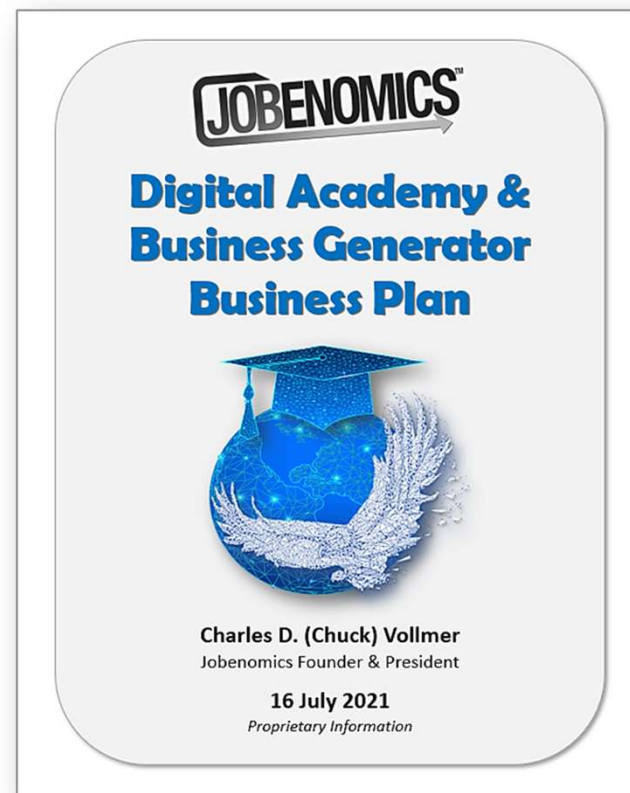


# Our Digital Academy & Business Generator Upskills Workers & Mass-Produces Startups



- Digital economy growth is 16x faster than today's industrial economy.
- 67% of all U.S. workers do not have required workplace digital job skills.
- A Jobenomics **Digital Academy** specializes in certified skills-based training, lifelong applied learning, and transformation mapping.
- A Jobenomics **Business Generator** mass-produce startup digital nonemployer and micro-businesses.

*160-Page Program  
Plan Available*



**Unfortunately, only 24% of Indigenous households have access to quality, high-speed internet. However, 44% (731,480 Indigenous people) now reside in urban areas with broadband.**

# Remote Area Power, Telecom & Internet

*Tower Up Consulting, Jobenomics Partner*



**Rural cellular and  
Wi-Fi networks**



**PV solar electrified village  
center with water tower**



**2,500 to 40,000 gallon/day water  
pumping & purification systems**



**Solar & wind  
powered lighting**



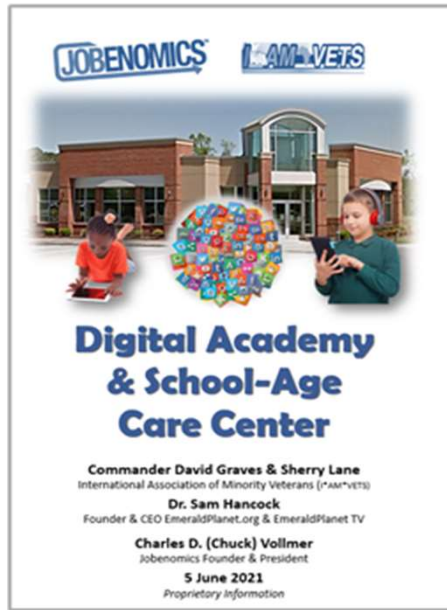
**Security and  
surveillance systems**



**Brick-making  
Machine**

**Many rural areas do not have sufficient access to internet, communications and grid-based electrical power.**

# Digital Economy: Where The Jobs Are



- **E-Commerce**  
(Internet Commerce, Mobile Commerce, Tele-Medicine, E-Sports, etc.)
- **Sharing Economy**
- **On-Demand Economy**
- **Apps/Bots Economy**
- **Creator Economy**
- **Gig Economy**
- **IoT Economy**
- **Platform Economy**



In 2020, the overall U.S. economy grew less than 2% versus **32% growth in U.S. e-commerce**. Jobenomics can help digital startups connect to platforms like Amazon, Walmart, eBay, and Shopify.



# Jobenomics Entrepreneur Clubs

- **Club E Atlanta is an entrepreneur empowerment center**
  - Public/private partnership with the City of College Park
  - Training, certification and startup business center
  - Co-working facility (hi-tech, offices, conference center, café)



- **Club E Startups**

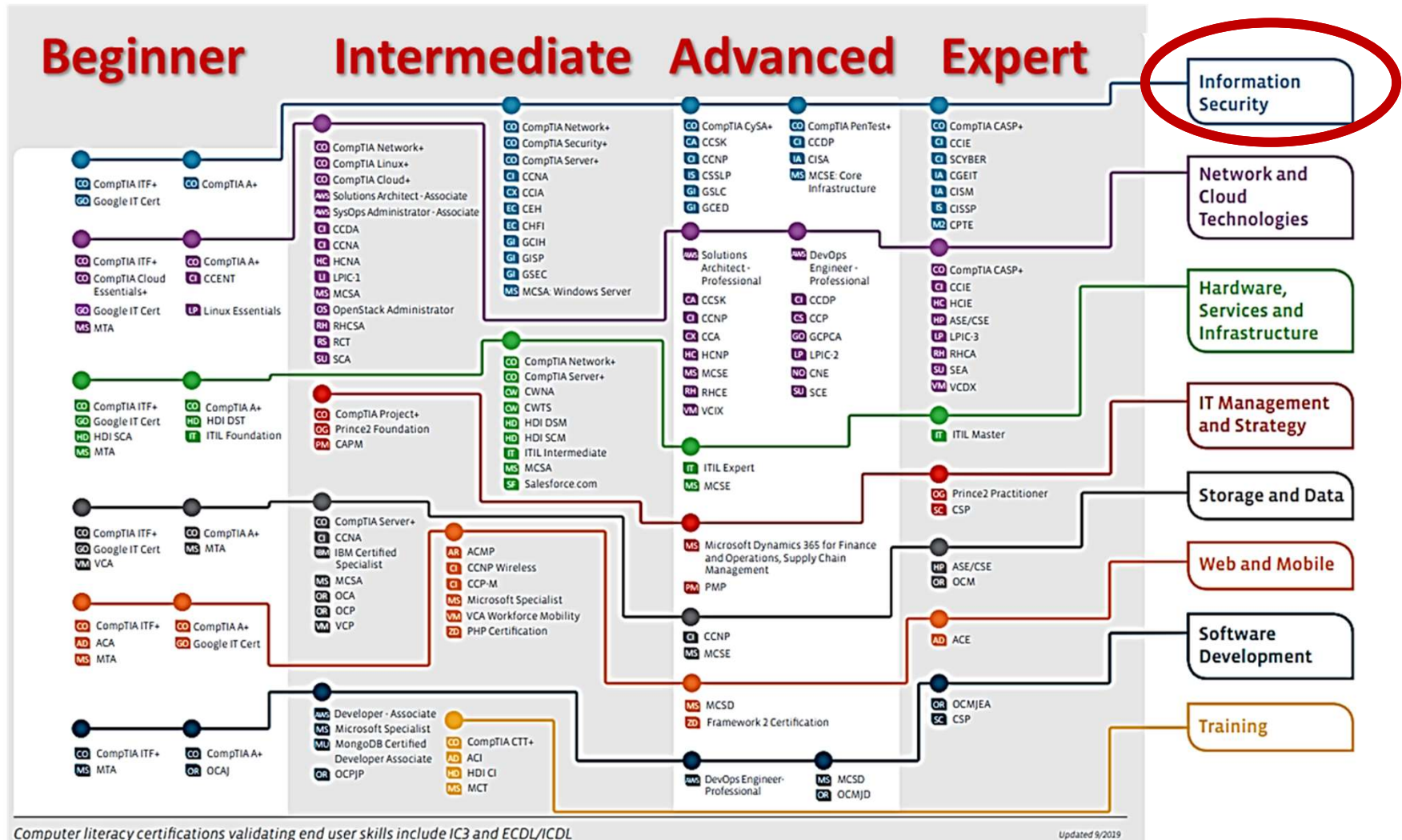


**Digital Academy E-Clubs can mass-produce Cando startup firms.**



# Digital Economy Career Roadmap

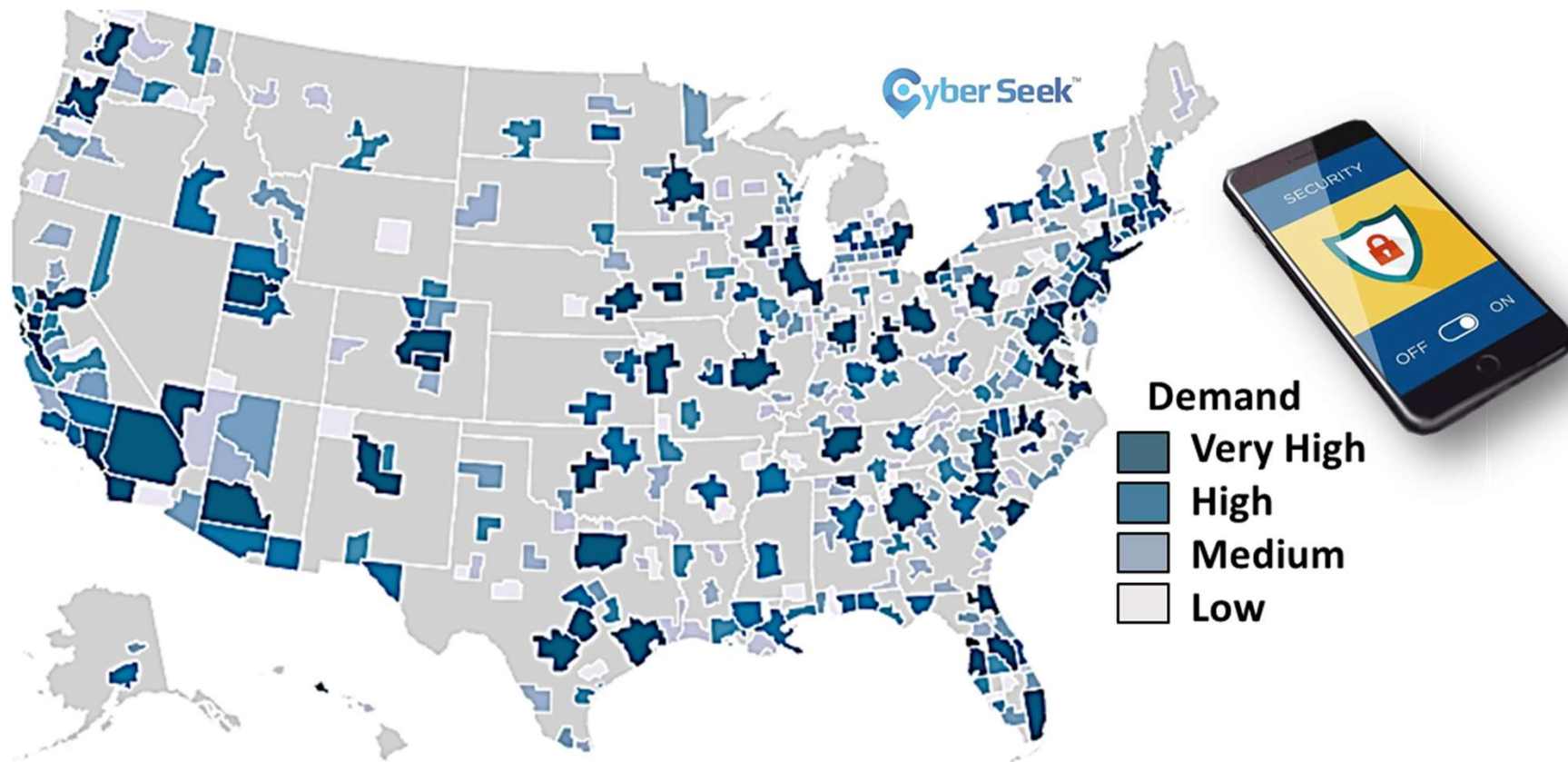
Source: [www.comptia.org/content/comptia-career-roadmap](http://www.comptia.org/content/comptia-career-roadmap)



**Certified training programs are the gateway into good paying (\$50K+) entry-level digital economy jobs without a college degree.**

# Major Cybersecurity Locations

Source: <https://www.cyberseek.org/heatmap.html>



**Total Employed Cybersecurity Workforce = 956,341**

93% Private Sector, 7% Public Sector

**Total Cybersecurity Open Jobs = 464,420**

Around Half Nontechnical Administrative, Operations & Maintenance Positions



# Jobenomics-Sprung Structure Digital Academy & Business Generator Facility



Our 19,500 square feet, community center, operational within 6-8 months with a payback period as short as 2-3 years.



### **Suggested Programs**

- Controlled Environment Agriculture & Microfarms
- Jobenomics Digital Academy & Business Generator
- **Social Determinants of Health (SDOH)**
- Next Steps & Contact Information



# Social Determinants of Health (SDOH)

SDOH are an individual's environment conditions that influence health and well-being. Conditions include political, socioeconomic, and cultural factors, alongside access to proper healthcare, education, safe living places, and nutritious food.



**Jobenomics SDOH initiative focuses on underserved communities.**

# Affordable Multifamily Units

Source: Houseplans.pro plans by Bruinier & Associates



**One-Level 768 sf**



**Two-Level 1,005 sf**



**Three-Level 1,225 sf**

## Multifamily (Fourplex) Homes @ \$105/sq. ft. Construction Price

One-Level 768 sf x 4 units =	3,072 sf x \$105 =	<b>\$322,560</b> or <b>\$80,640 each</b>
Two-Level 1,005 sf x 4 units =	4,020 sf x \$105 =	<b>\$422,100</b> or <b>\$105,525 each</b>
Three-Level 1,225 sf x 4 units =	4,900 sf x \$105 =	<b>\$514,500</b> or <b>\$128,625 each</b>



**One-Level 1,764 sf**



**Two-Level 2,135 sf**



**Three-Level 2,984 sf**

## VA Single Family Home @ \$105/sq. ft.

One-Level =	1,644 sf x \$105 =	<b>\$172,620</b>
Two-Level =	2,135 sf x \$105 =	<b>\$224,175</b>
Three-Level =	2,984 sf x \$105 =	<b>\$313,320</b>



**Jobenomics has access to leading home builders.**

# Jobenomics Direct-Care Program



## Direct-Care Services

- Healthcare
- Social assistance
- Behavioral-care
- Elder-care
- Child-care



## Direct-Care Center

- Information & Call Center
- Training & Certification Center
- Management and Quality Control



Former women head-of-households are ideal for direct-care jobs.



# Direct-Care Telehealth Platforms

## Examples of On-Demand Telehealth Programs

- **Teladoc** is the largest telehealth platform with 20 million members and over 3,000 licensed healthcare professionals.
- **DoctorOnDemand** connects patients in minutes to board-certified doctors and therapists over live video.
- **Go2Nurse** is an on-demand nurse/caretaker application service.
- **referralMD**'s standardizes referral network communication between primary care physicians and specialists.
- **American Well** is a complete telehealth service for healthcare companies, employers, or delivery networks.
- **MDLive**'s telemedicine system offers a patient experience, a provider experience, and a call center.
- **SnapMD** is virtual care management system with a patient interface, a provider interface and an administrative back-end.

**The global telehealth market is expected to reach \$40 billion, growing at a combined average growth rate of 25%.**

# CLINICSTOP Micro Clinic for Diagnosis, Counseling and Remote Care

Jobenomics Partner  
<http://clinicstop.com>



**Ideal for pharmacies, churches, community centers that provide healthcare, social assistance, and behavioral care.**

# Aleph Diagnostics Mobile Level-2 Biosafety Lab

Jobenomics Partner, <https://alephdiagnostics.com>



Level-2 biosafety labs mitigate infectious agents or toxins that pose a threat to critical enterprises (government, schools, businesses, airports). They also facilitate returning people to work and children to school. It also provides **a new source of revenue** for local communities.



High-End RT-PCR Analyzers

**Our Analyzers can process up to 30,000 tests per day.**



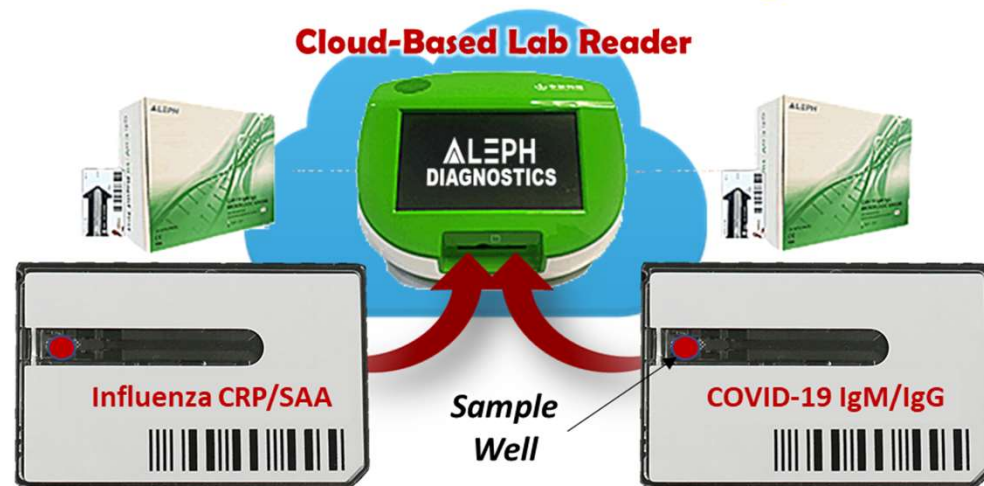
# Healthcare & Pandemic Businesses and Jobs



## FDA & CE Approved COVID-19 Test Kits

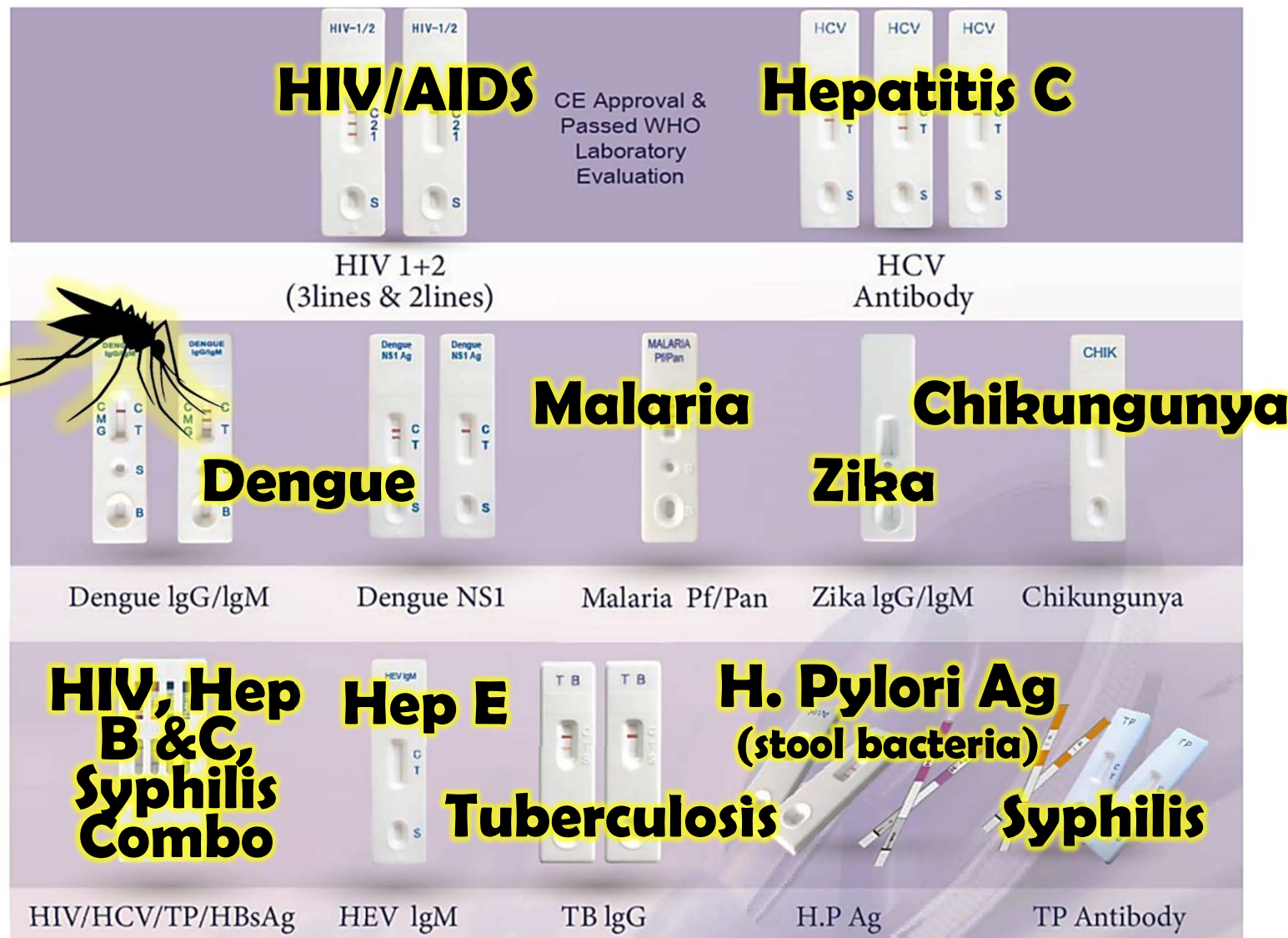
- Antibody (IgM/IgG) Rapid Test
- Nucleic Acid RT-PCR Rapid Test
- Fluorescence Antigen Rapid Test

## Microfluidic Lab-On-A-Chip Coronavirus & Influenza Test Kit & Analyzer



**Jobenomics-AG Diagnostix team has U.S. FDA & CE-Approved COVID-19 diagnostics produced by American companies.**

# Other Aleph Diagnostics Tests (Examples)



Our mobile lab can be equipped (electrical power, communications, internet access) for **remote area** telehealth applications.



# ***Example Program:* Shelters Initiative For Indigenous Women And Children**



**Sprung "Navigation" Center**



**In 2020, the Government of Canada announced \$45 million for the construction of 10 shelters in communities on-reserve across the country and 2 shelters across the territories.**





### **Suggested Programs**

- Controlled Environment Agriculture & Microfarms
- Jobenomics Digital Academy & Business Generator
- Social Determinants of Health (SDOH)
- **Next Steps & Contact Information**

# Conclusion



## ■ Jobenomics Cando can be:

- Implemented quickly (often within one year).
- Thousands of new employer and nonemployer businesses and jobs would be created within five years.
- Most Jobenomics programs are scalable and repeatable, thereby transforming the Indigenous labor force and economy.

## ■ Next steps:

- After this introductory Zoom meeting, Cando officials need to decide if a Jobenomics Cando partnership is of interest.
- If yes, Cando should host a town hall meeting with decision-leaders, economic developers, and local investors.
- The Jobenomics-Cando team should develop a joint outreach presentation replete with suggested pilot project business plans.

## **Contact Information**

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