



Rapid detection solutions for life threatening infections

From earlier detection to treatment guidance and monitoring, we want to help communities lessen the negative impact on health and society

Mission: Complete the testing needs for WI by combining Serology with PCR

- Smarter and faster testing – Weeks / Large population
- Mass testing study cost savings in combination with PCR of up to 70%
- Efficient use of lab and healthcare infrastructure
- Wisconsin based operations with distribution and manufacturing plans

COVID - A global problem affecting Wisconsin

“Experts suggest the COVID-19 outbreak will last between 18 and 24 months. The pandemic likely won't be halted until 60% to 70% of the population is immune”, the report authors said.”

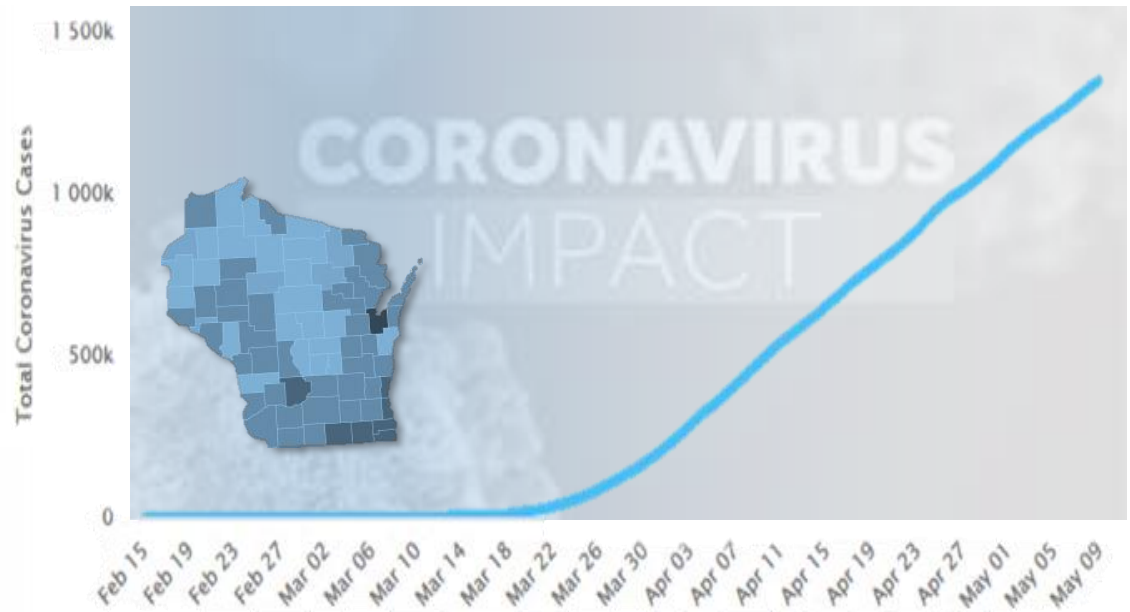
Michael Osterholm, report author and the director of CIDRAP

“Nationally, the data around asymptomatic COVID infections range anywhere from 20 to more than 60 percent,”

Dr. Bryan Alsip, University Health System's chief medical officer, San Antonio, TX

“The group estimated the U.S. would need 2 million tests per day, rising to 5 million for 100% of the workforce. If contact tracing is moderately effective the amount of testing needed rises to 20 million a day.”

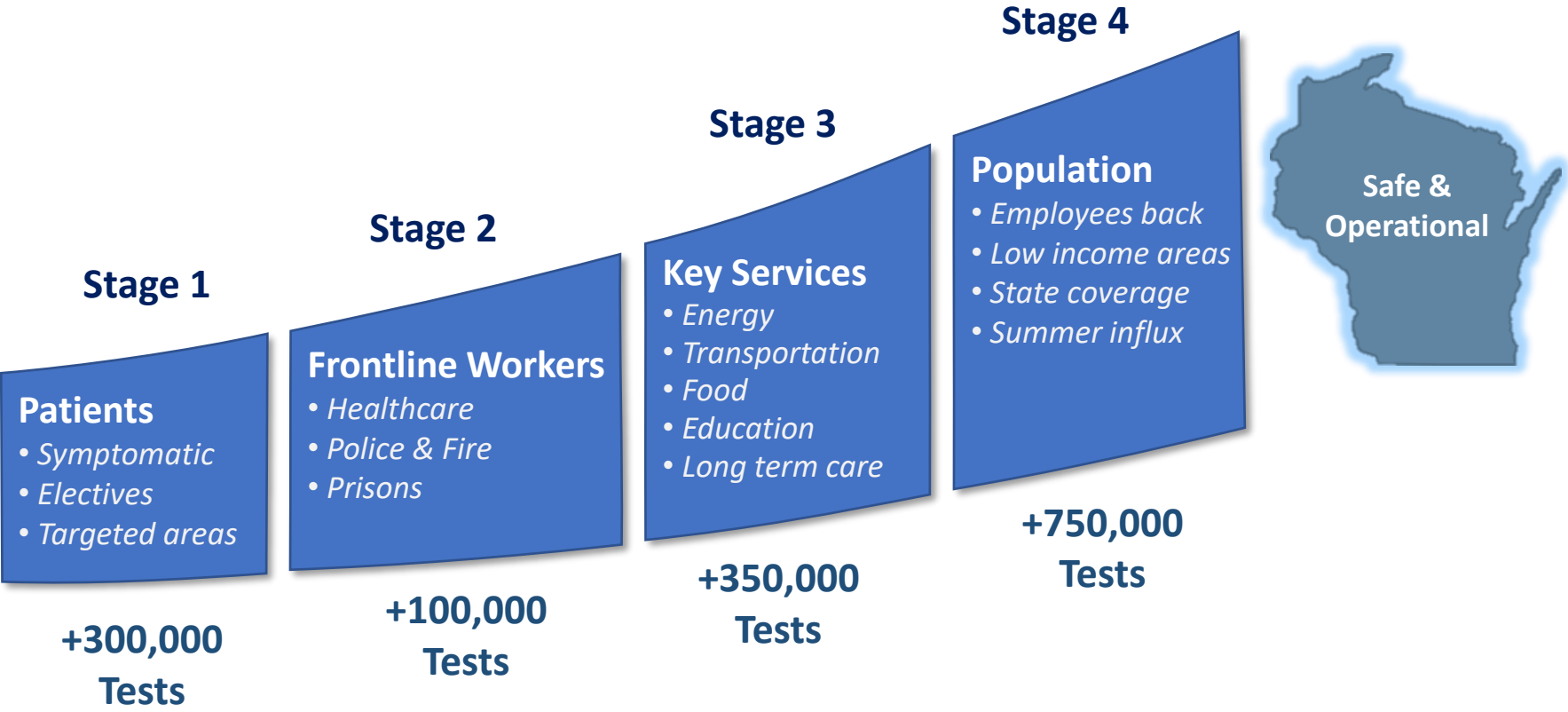
Danielle Allen, Director, Edmond J. Safra Center for Ethics



“Increased testing and contact tracing are core elements of our Badger Bounce Back plan and are critical to slowing the spread and boxing in COVID-19”

Governor Tony Evers – May 11th

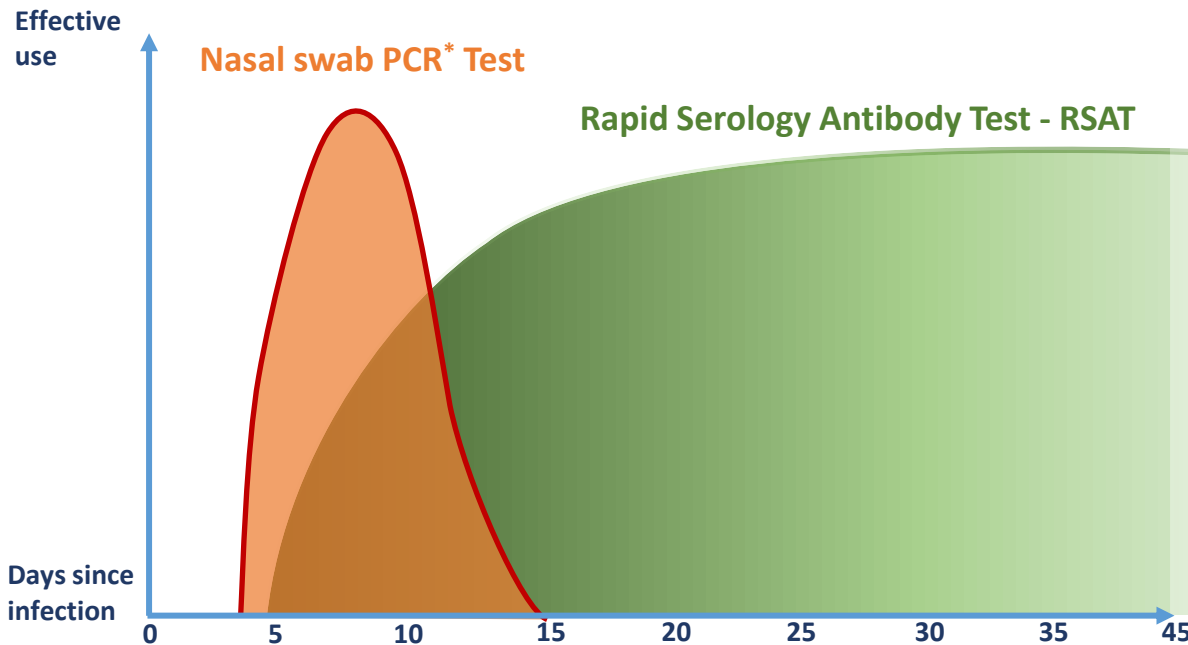
COVID tests needed for WI



Disease progression and use of tests

Effective use of tests during and after COVID disease

Overview



- PCR less effective after 10-14 days
- RSAT effective at different stages of COVID progression
- RSAT allows for screening to feed infectious patients to PCR testing
- RSAT High volume screening also allows for population health management
- Aids public health authorities and businesses with safe operations

*Polymerase chain reaction

A simple rapid solution - Antibody Test (RSAT)

PRODUCT



MPP Test Kit

Each box contains individually packaged test kits and it is manufactured following the highest standards of quality.

Contents:

- 25 Test Cassettes
- Disinfectant Pad
- Prick
- Pipettes

STEPS

1

Stick Finger
Clean the finger, with the disinfectant pad, then prick it and used pipette to suck blood to filling line

2

Blood Sample
Squeeze pipette and place one drop of blood in the test cassette

3

Buffer
Add one drop of buffer

4

Test Results
Wait 10 to 15min. For results to appear

RESULTS


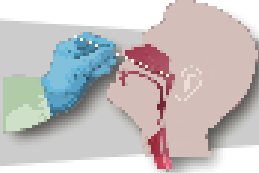

Negative
The negative lines are used as control lines, to make sure the test works

IgM Positive
Test shows reaction to IgM antigen.

IgG Positive
Test shows reaction to IgG antigen.

IgG & IgM Positive
Test shows reaction to IgG and IgM antigens.

RSAT and PCR benefits and approach

	Risk Score A & B	Risk Score C	Need for Hospitalization
RSAT Test		PCR Test 	Therapy 
Cost	\$	\$\$\$\$	\$\$\$\$\$\$
	No or minor Symptoms	Advanced Symptoms	Urgent Care
Number of Patients	1,000,000's	1,000's	100's
Test Time	15min	hours/days	Many days
	RSAT Test Risk score / Asymptomatic Screen / Infection spread Blood Test / POC Low complexity 90-95% accuracy	PCR Test Symptomatic / high risk Diagnosis / Treatment Nasal swab / Lab High Complexity +95% accuracy	Hospital treatment

Operations - CLIA Lab and MPP



- Manufacturing operation is located within MPP Group LLC, a 35,000 sq. ft. facility on 3 acres located in Mequon, Wisconsin
- Core business Pharma development & services
- FTE's 12, w 5 scientists, 3 PhD's
- FDA and GMP registered facility with 5 labs and manufacturing suites
- Separate area for Rapid test manufacturing



- Medical high complexity Lab
- 7 LC/MS/MS instruments, RT PCR, automation
- 10 years, 2 PHDs, 2 MDs
- 5000 samples / Month
- Research and Academic partnerships

Robust Quality Control and Assurance

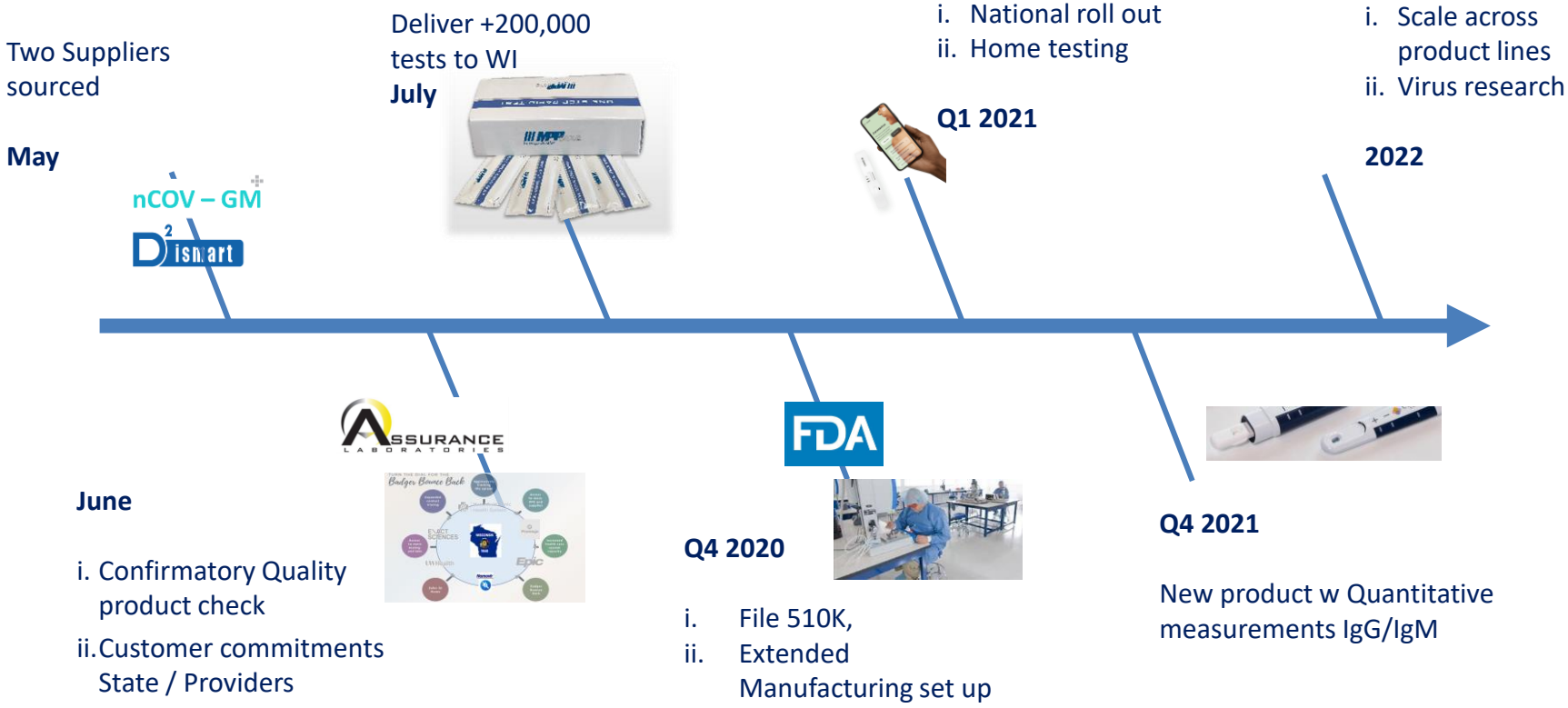


- Each batch tested at MPP Group/Assurance prior to release for sale
- Independent post transport check at Assurance Laboratories to ensure device continues to meet rigorous quality standards after shipment.
- Constant monitoring of batch to batch performance and tracking by MPP Group LLC to ensure consistent performance

Sales funnel

Government	Health providers	Associations	Employers
State 1. Dept. Health Services 2. Dept. of Administration 3. Wisconsin Counties Association Local 1. Milwaukee County 2. City of Milwaukee 3. Dane County 4. City of Madison 5. Brown County	Hospitals 1. Theda Care 2. Ascension 3. Froedtert/ Med College 4. Aurora 5. Marshfield Clinic Organizations 1. Wisconsin Hospitals Association 2. Rural Health Cooperative	1. Wisconsin Manufacturers & Commerce 2. MMAC 3. Midwest Food Products Association 4. Wisconsin Restaurants Association 5. Wisconsin Dentists Association 6. Chiropractic Society of Wisconsin 7. International Dairy Deli Assoc 8. Wisconsin Assoc of School Boards	1. Menards 2. Kohls 3. Rockwell 4. Mitchell airport 5. Quad graphics 6. Northwestern 7. ABC Supply 8. Harley Davidson Out of State 1. EDSSL – health screening for employers (CA)

Initial importation to full scale manufacturing



Financial

- \$8MM in 2020, cash flow ++

Customer

- WI preferred choice

Commercial

- 80% WI, 20% National

Operational

- 2 lines with 8MM units/yr

Deep experience in Healthcare and Quality



Michael Major PhD., DSc.
President & CEO



- 40 years in chemistry, pharmaceutical sciences, engineering, chemical analysis and regulations, Ph.D in Chemistry
- Founded Major Laboratories and after merging with Cambridge Chemical formed Cambridge Major Laboratories and grew the company to approximately 80 million dollars of sales.
- Founded MPP group LLC in 2016



Alexander Kempe
President & Founder



- 20 years in global healthcare with focus on medical technology and digital health, GE tenure 18 years
- Former Director of Strategic Alliances & VP of Home Health at GEHC. Prior roles include: General Manager of GEHC Americas, former Chief Financial Officer, and Vice Chairman GEHC EMEA and GEHC Kretztechnik (NM: KTA).
- Founder of 37celsius capital global digital health investment firm.



Ben Nelson
MPP Group LLC
Mgr, Formulation & Development



Chris Thode
MPP Group LLC
Mgr, Analytical Services

- Technical Advisor Quality Team
- Ph.Ds, 14 years in Healthcare



Ilke Panzer
Assurance Laboratories
CEO



Anjali Dooley
Dooley LLC
Principal

- Nomovir LLC - Technical Advisor Regulatory Team
- 14 years in Healthcare

MPP key Partnerships for success



Legal advice and state lobbying.
Regulatory & FDA guidance



Supplier collaboration, Clinical testing of product and research exchange

Scientific Advisory board

In process

WI based antibody test distribution & manufacturing co



- Immediate access to quality antibody RSAT tests
 - Better, faster & cheaper than current PCR alternatives
- June 2020 roll out of hundreds of thousands of tests for government and corporate customers
- CARES act financing in place and planned reimbursements for purchases
- Unique model to combine RSAT and PCR testing for rapid and effective economic re-opening
- Successful healthcare industry founders and partners with local distribution & manufacturing