Tim Sheehy

President

Metro Milwaukee Association of Commerce
As MMAC transitions to our new permanent offices at The Avenue, we want to thank MMAC member Spaces for a much-needed and convenient temporary home at their North Water Street location to host our webinars. With over 3,000 global locations and 10 in Wisconsin, Spaces makes it easy to have a productive day at work. Their all-inclusive, flexible offices and coworking make getting to work easy and affordable.

Additional information: https://www.spacesworks.com/milwaukee/north-water-street/
MKE HEALTH & ECONOMY BRIEFING

On Wisconsin’s Afternoon News
Tuesday @ 4:20pm

John R. Raymond, Sr., MD
Medical College of Wisconsin
President and CEO

Tim Sheehy
MMAC President

620 WTMJ
Wisconsin's Radio Station
Virtual COVID-19 Update (pdf only)

John R. Raymond, Sr., MD
President and CEO
Medical College of Wisconsin

Analytics by Andrew Yaspan
MCW Institute for Health and Equity
COVID-19 DIAGNOSTIC TESTING – 08.24.2020

• Cumulative tests (people) reported as of 08.10.2020: WI = 1,190,476; MKE = 230,671
  - Negative WI 1,119,622
  - Positive WI 70,854
  - Negative MKE 186,878
  - Positive MKE 23,232
  - # of people tested reported yesterday in Wisconsin = 4,865
  - Highest single daily total of people tested was 17,410 on 08.04.2020

• Testing capacity: Up to 26,562 in Wisconsin. Continuing concerns about supply chain!
  - 84 laboratories currently testing. 23 planning to test.

• Daily positive tests (# positive tests have been trending slowly downward - favorable)
  - Wisconsin = 392 (8.1% positivity); MKE = 72 (11.7% positivity - 7-day average)
  - Daily positives are trending SLOWLY downward (favorable). Positivity rate is trending SLOWLY upward (unfavorable)
  - Numbers of positive tests and positivity rate are early indicators
  - Previous highest daily positive tests: WI: 1,165 on 08.08.2020; MKE: 477 on 05.29.2020
COVID-19 HOSPITAL METRICS – 08.24.2020

• Number of cumulative hospitalizations: 5,573 (7.9% of positive tests)

• Wisconsin hospitalizations on 08.24.2020
  - 337 inpatients - stable (high was 446 on 04.09.2020; low 235 on 07.04.2020)
  - 121 in ICU – stable (high was 196 on 04.09.2020; low was 65 on 07.05.2020)
  - Hospitalizations and ICU use are lagging indicators

• ICU capacity: 372 available ICU beds - stable

• Ventilator capacity 1,596 - stable

• PPE trends: Stable (most critical needs = gowns, goggles and paper masks)
  - There are concerns about PPE supply chains, but supplies have improved recently
VARIOUS COVID-19 INDICATORS – 08.24.2020

• Death is a highly lagging indicator. Case fatality rate = 1.5%

• Cumulative deaths:
  - Male: WI = 579 (53.6%)  MKE = 210 (53.6%)
  - Female: WI = 502 (46.4%)  MKE = 182 (46.4%)
  - Black/African American: WI = 219 (20.3%)  MKE = 151 (37.6%)
  - White: WI = 782 (72.3%)  MKE = 177 (44.0%)
  - Hispanic/Latinx: WI = 125 (11.6%)  MKE = 58 (14.4%)

  o Totals exceed 100% due to overlap between Black/AA and Hispanic/Latin categories

• Doubling time for positive tests: WI = 40.8 days; MKE = 55.5 days

• Daily growth rate of positive tests (last 7 days): WI = 1.0%; MKE = 0.6%

• Reproductive number: WI = 0.91; MKE = 0.87 (early indicator)
We took a troubling turn in Mid-June.

MKE Mask Ordinance

WI Mask Order

40 days > 1.0
This log-log plot shows the trajectory of new cases over the last seven days vs total cases since 12 March 2020. It gives a visual depiction of trajectory. Downward is favorable. MKE is trending better than the rest of Wisconsin.
Lag time between new cases and deaths includes: testing, hospitalization, ICU, secondary spread to others, symptom development, testing hospitalization, ICU.
Bill Berrien
CEO
Pindel Global Precision
Kathy Henrich
CEO
Milwaukee Tech Hub Coalition
FROM MARCH 2020: DIGITAL CHANGE IS OCCURRING AND IT WILL CHANGE TALENT REQUIREMENTS

56% of executives believe rapid advancements in new technologies and scientific innovations are poised to disrupt their industries.

76% of executives believe that the stakes for innovation have never been higher—getting it ‘right’ will require new ways of innovating with ecosystem partners and third-party organizations.

+50% Over 50% of organizations do not believe they have the required skills to successfully implement digital transformation and the digital skills gap is widening.

Source: Accenture Technology Vision 2020
Source: World Economic Forum, 2019
“DIGITAL LIFE” WILL ACCELERATE THESE AREAS

- Enabling Remote Work
- Enabling Flexibility
- Increased access outside “4 walls”
- Increased devices
- Modeling Covid-19 impacts
- Improving virtual experience
- Front-end
- Back-end
- Full Stack
- Technical Acumen
- Communications
- Training
- Leadership Alignment

Source: https://www.siliconrepublic.com/advice/technology-skills-after-covid-19
EMSI DATA WOULD SUGGEST RECOVERY IN TECH BUT NOT ALL EQUALLY

9,105 postings 7% month over month

Source: https://www.economicmodeling.com/job-posting-dashboard/ as of 8/25

### Top Occupations

<table>
<thead>
<tr>
<th>Name</th>
<th>Postings</th>
<th>Month over month change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software Developers, Applications</td>
<td>2,628</td>
<td>8%</td>
</tr>
<tr>
<td>Computer Systems Analysts</td>
<td>1,356</td>
<td>6%</td>
</tr>
<tr>
<td>Mechanical Engineers</td>
<td>826</td>
<td>5%</td>
</tr>
<tr>
<td>Web Developers</td>
<td>742</td>
<td>10%</td>
</tr>
<tr>
<td>Electrical Engineers</td>
<td>695</td>
<td>7%</td>
</tr>
<tr>
<td>Information Security Analysts</td>
<td>558</td>
<td>5%</td>
</tr>
<tr>
<td>Civil Engineers</td>
<td>557</td>
<td>7%</td>
</tr>
<tr>
<td>Computer Programmers</td>
<td>325</td>
<td>14%</td>
</tr>
<tr>
<td>Sales Engineers</td>
<td>295</td>
<td>15%</td>
</tr>
<tr>
<td>Software Developers, Systems</td>
<td>262</td>
<td>6%</td>
</tr>
</tbody>
</table>

Map: % Change month over month
INDIVIDUALS AND ORGANIZATIONS MUST BE WILLING TO RESKILL
CAN HAVE A POSITIVE ROI

25%

Of Disrupted Roles can be Reskilled with a positive ROI for the Company

Source: http://www3.weforum.org/docs/WEF_Towards_a_Reskilling_Revolution.pdf
A Precipitous Fall-Off in Demand for Premium Skills Makes This A Rare Opportunity to Build for the Future

The boom market for key digital and data skills has collapsed even faster than the market overall, making this a rare opportunity for forward-looking companies to acquire the talent sets that are likely to underpin their future – and that were hard to attract just months ago.
DR. BENJAMIN WESTON
Medical College of Wisconsin

BILL BERRIEN
Pindel Global Precision

KATHY HENRICH
Milwaukee Tech Hub Coalition

HEATHER TURNER LOTH
Eppstein Uhen Architects

LIVE WEBCAST
Business Strategies DURING THE PANDEMIC

MMAC MILWAUKEE
coronavirus-MMAC.org

Resources for Milwaukee businesses during the pandemic including:

- Safety & Health Toolkit
- PPE Product Marketplace
- Best practices for operating safely
- Replay our pandemic programming:


Tuesdays @ 11am

Find the Replay of this episode in MMAC’s emails or at coronavirus-mmac.org/webinars