



# Harper College Environmental Scan 2020

Brian Harger and Sherrie Taylor  
Center for Governmental Studies  
Northern Illinois University

# Changing Demographics



- Impact of the global pandemic.
- Population on the decline statewide, but stagnant in Harper District.
- High growth in Asian community while White community declines, increasing diversity in resident population.
- Education Attainment is steadily increasing, now at 60% of the population holding at least an Associate degree.
- Median age is steadily increasing as the Baby Boomers reach retirement.

# Economic Trends

- The recovery of median household incomes for those in the lower and middle levels are still struggling to reach pre-recession levels.
- Illinois GDP is struggling to recover to national average.
- The statewide pension systems continue to be problematic in funding.



# Sender District Trends

- Performance indicators better than statewide average.
- Enrollments continue to diversify.
- Enrollments are stagnant.
- Increase in dropout rates, but still well below the state average.



# Housing Trends



- Foreclosures have declined to lower than pre-recession levels lending stability to neighborhoods.
- Previously owner-occupied homes continue to be transitioned into rentals.

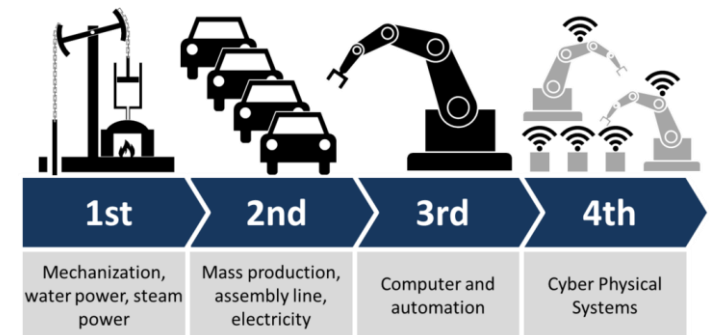
# Workforce Trends

- Unemployment rates were at record lows, but much of this was attributable to falling labor force participation.
- Out-migration of youth and working age adults in recent years is having a serious impact on employers.
- Many unemployed workers have skill sets that are not readily transferable to growth industries like Healthcare and Professional and Business Services.
- Automation is impacting not only the number of jobs opportunities, but also create a critical demand for new training courses and programs.



# Meeting the Needs of Business & Industry

- Job growth continues to lag the U.S. average and some industry sectors continue to struggle.
- Local factors, as well as changes in the global economy, technology, and industry restructuring are all playing roles in job growth trends.
- State business climate factors and the continuing out-migration of youth and working-aged populations are also a factor.
- Most jobs being created or lost between industries require vastly different skill sets.



# Program Gap Analysis

The program gap analysis connects Harper's degree, transfer-track and certificate program graduates with relevant annual job openings in the region.

- Transfer-track programs, in general, show the strongest growth prospects.
- Strongest existing programs include accounting, selling skills and sales operations, nursing, elementary education, banking and financial support services and human resources management.
- New program opportunities include various agricultural technologies, AI and information technologies, laser and optical technologies and bioinformatics.





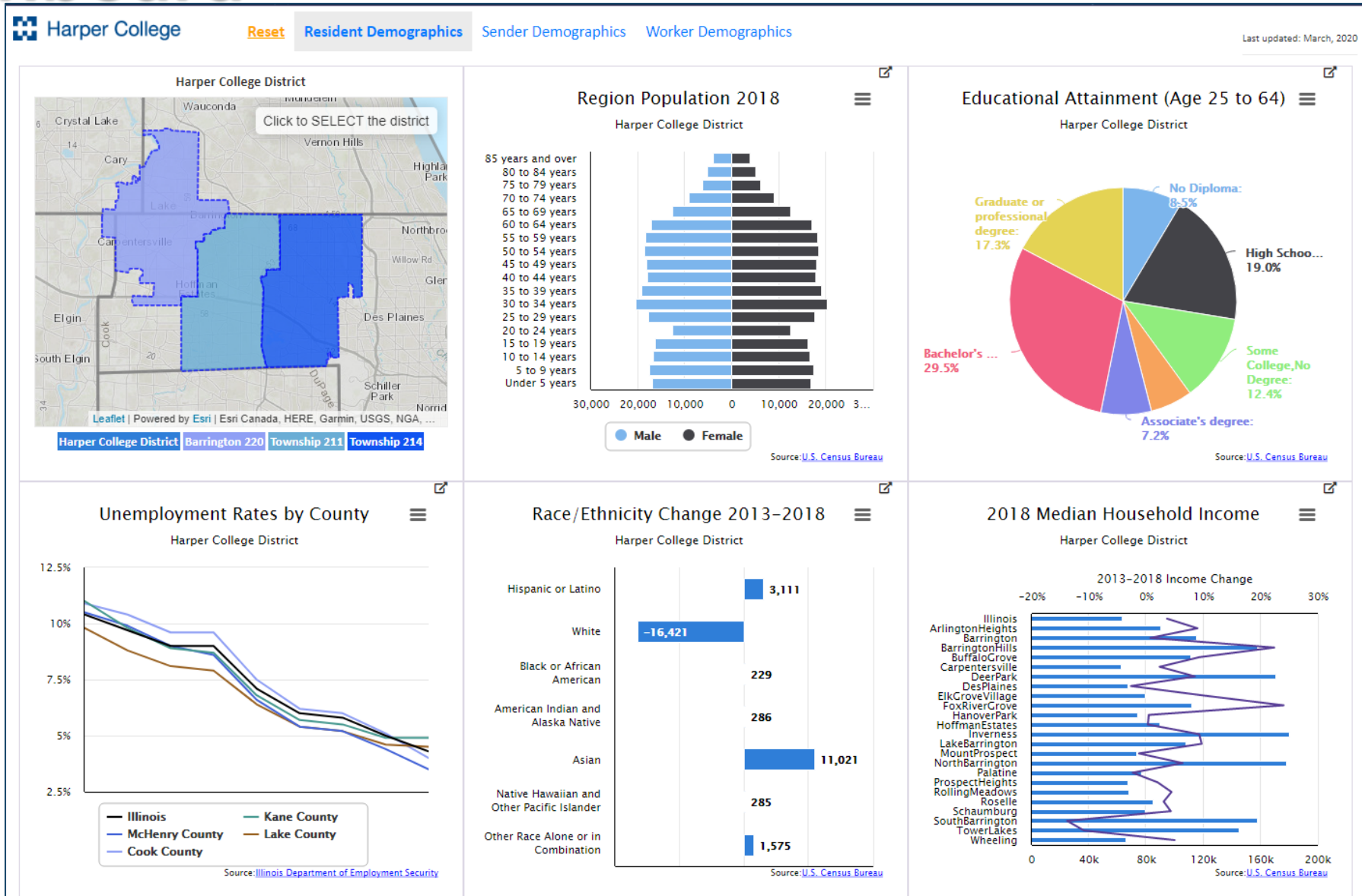
# Program Gap Analysis

<b><u>New Program Opportunities</u></b>	
<b>Agricultural Business Technology</b>	<b>Informatics</b>
<b>Agricultural Mechanics and Equipment/Machine Technology</b>	<b>Information Technology</b>
<b>Agroecology and Sustainable Agriculture</b>	<b>Laser and Optical Engineering</b>
<b>Agricultural and Food Products Processing</b>	<b>Laser and Optical Technology/Technician</b>
<b>Artificial Intelligence</b>	<b>Solar Energy Technology/Technician</b>
<b>Bioinformatics</b>	<b>Special Education and Teaching, General</b>
<b>Counselor Education/School Counseling and Guidance Services</b>	<b>Telecommunications Engineering</b>
<b>Environmental/Environmental Health Engineering</b>	<b>Viticulture and Enology</b>
<b>Hydraulics and Fluid Power Technology/Technician</b>	<b>Water Quality and Wastewater Treatment Management and Recycling Technology/Technician</b>

# Program Gap Analysis

<b>Programs with <u>Opportunity for Growth</u></b> <b>(Large Supply/Demand Gap - Surplus of Demand over Supply)</b>	
Accounting	Human Services, General
Accounting Technology/Technician and Bookkeeping	Insurance
Administrative Assistant and Secretarial Science, General	Legal Assistant/Paralegal
Baking and Pastry Arts/Baker/Pastry Chef	Manufacturing Engineering Technology/Technician
Banking and Financial Support Services	Medical Administrative/Executive Assistant and Medical Secretary
Building/Property Maintenance	Nursing Assistant/Aide and Patient Care Assistant/Aide
Child Care Provider/Assistant	Parts, Warehousing, and Inventory Management Operations
Criminal Justice/Police Science	Registered Nursing/Registered Nurse
Culinary Arts/Chef Training	Sales, Distribution, and Marketing Operations, General.
Elementary Education and Teaching	Security and Loss Prevention Services
General Office Occupations and Clerical Services	Selling Skills and Sales Operations
Hospitality Administration/Management, General	Teacher Assistant/Aide
Human Resources Management/Personnel Administration, General	

# Dashboard



# Primary Takeaways...

- The population will continue aging and diversifying creating new challenges for the Harper district.
- Many unemployed workers have skill sets that are not readily transferable to growth industries.
- Automation is impacting not only the number of jobs opportunities, but also create a critical demand for new training courses and programs.
- Programs that are transfer-track eligible or are technology related seem to have the best growth prospects.

# Program Gap Analysis

## Programs with Strong Local Demand (Significant Supply/Demand Gap - Surplus of Demand over Supply)

Computer Numerically Controlled (CNC) Machinist Technology/CNC Machinist

Interior Design

Electrical/Electronic Equipment Installation and Repair, General

Junior High/Intermediate/Middle School Education and Teaching.

Environmental Control Technologies/Technicians, Other

Licensed Practical/Vocational Nurse Training

Fire Science/Firefighting

Medical/Clinical Assistant

Fire Services Administration.

Phlebotomy Technician/Phlebotomist

Graphic and Printing Equipment Operator, General Production

Purchasing, Procurement/Acquisitions and Contracts Management

Homeland Security

Secondary Education and Teaching

# Program Gap Analysis

<b>Programs with <u>Low or Moderate Local Demand</u></b> <b>(Small Supply/Demand Gap - Surplus of Supply over Demand)</b>	
Adult and Continuing Education and Teaching.	Health Information/Medical Records Administration/Administrator
Apparel and Textile Manufacture	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician
Architectural Drafting and Architectural CAD/CADD	Information Science/Studies
Business Administration and Management, General	Liberal Arts and Sciences/Liberal Studies
Commercial Photography	Machine Tool Technology/Machinist.
Computer Programming/Programmer, General	Massage Therapy/Therapeutic Massage
Dental Hygiene/Hygienist	Medical Insurance Coding Specialist/Coder
Diagnostic Medical Sonography/Sonographer and Ultrasound Technician	Music, General
Dietetic Technician	Prepress/Desktop Publishing and Digital Imaging Design
Early Childhood Education and Teaching.	Radiologic Technology/Science - Radiographer
Electrical, Electronic and Communications Engineering Technology/Technician	Sign Language Interpretation and Translation
Emergency Medical Technology/Technician (EMT Paramedic)	System, Networking, and LAN/WAN Management/Manager
Engineering, General	Web Page, Digital/Multimedia and Information Resources Design
Geographic Information Science and Cartography	

# Program Gap Analysis

Programs that are <u>At-Risk</u> (Weak Demand/Surplus of Supply over Demand)	
Animation, Interactive Technology, Video Graphics and Special Effects	Fine/Studio Arts, General
Biological and Physical Sciences	Forensic Science and Technology
Cardiovascular Technology/Technologist	Industrial Electronics Technology/Technician
Community Health and Preventive Medicine	Information Science/Studies
Electromechanical and Instrumentation and Maintenance Technologies/Technicians, Other	Magnetic Resonance Imaging (MRI) Technology/Technician
Emergency Care Attendant (EMT Ambulance)	Medical Radiologic Technology/Science - Radiation Therapist
Fashion and Fabric Consultant	