

# 2022 Data Summit

## **DIVERGING DATA:**

Explore why female students are outperforming male peers and what MC should do about it

Office of Institutional Research and Effectiveness  
August 24, 2022

# Sources of Data

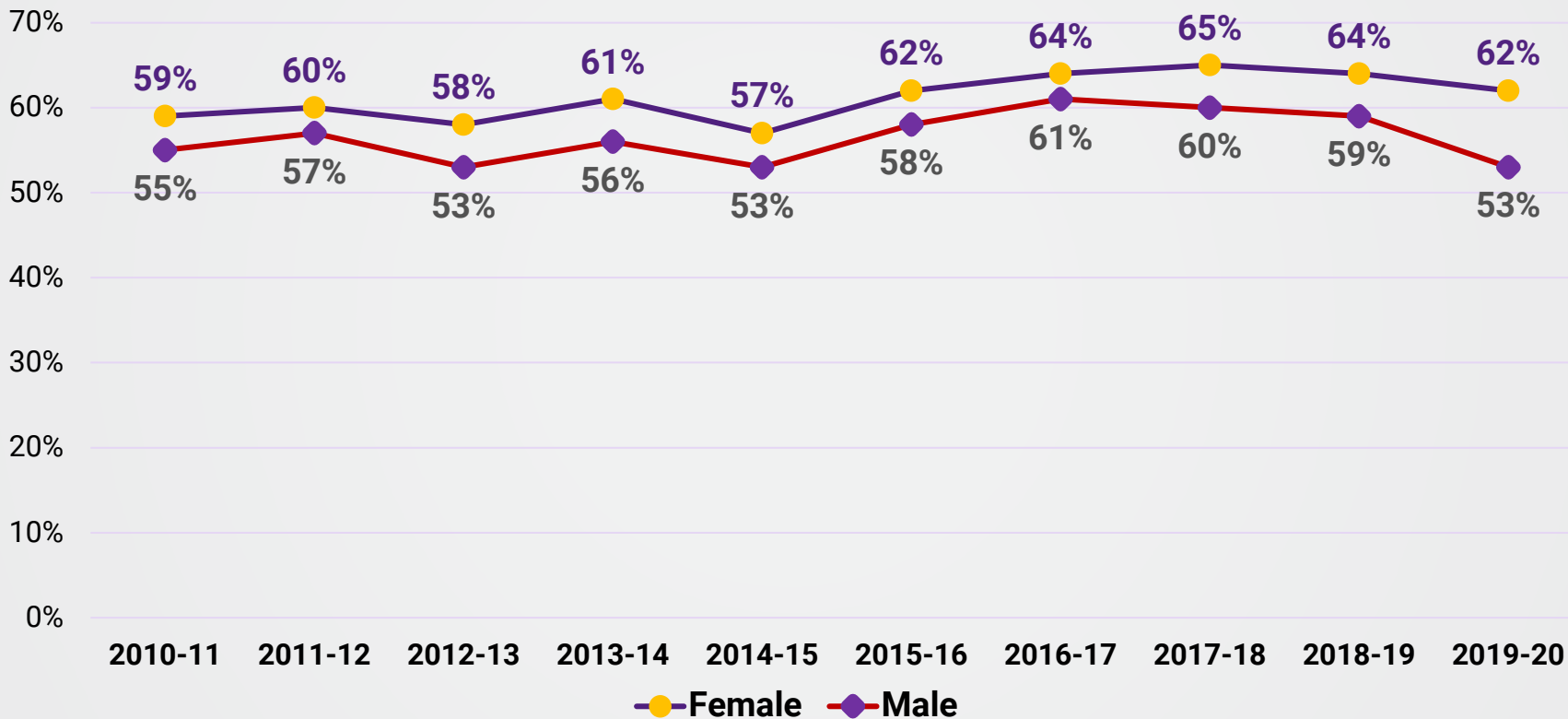
- Montgomery College Data (Datawarehouse)
- Maryland Longitudinal Data System Center (MLDSC)
  - National Center for Educational Statistics (NCES)
- Maryland Higher Education's Degree Progress Model (MHEC)

# MCPS College Going Rate

Attending College as a first-time full-time degree seeking students after graduating from HS

# Figure 1: Immediate Enrollment in College the Fall Semester after Graduation from MCPS High Schools as a First-Time Full-Time Degree Seeking Student

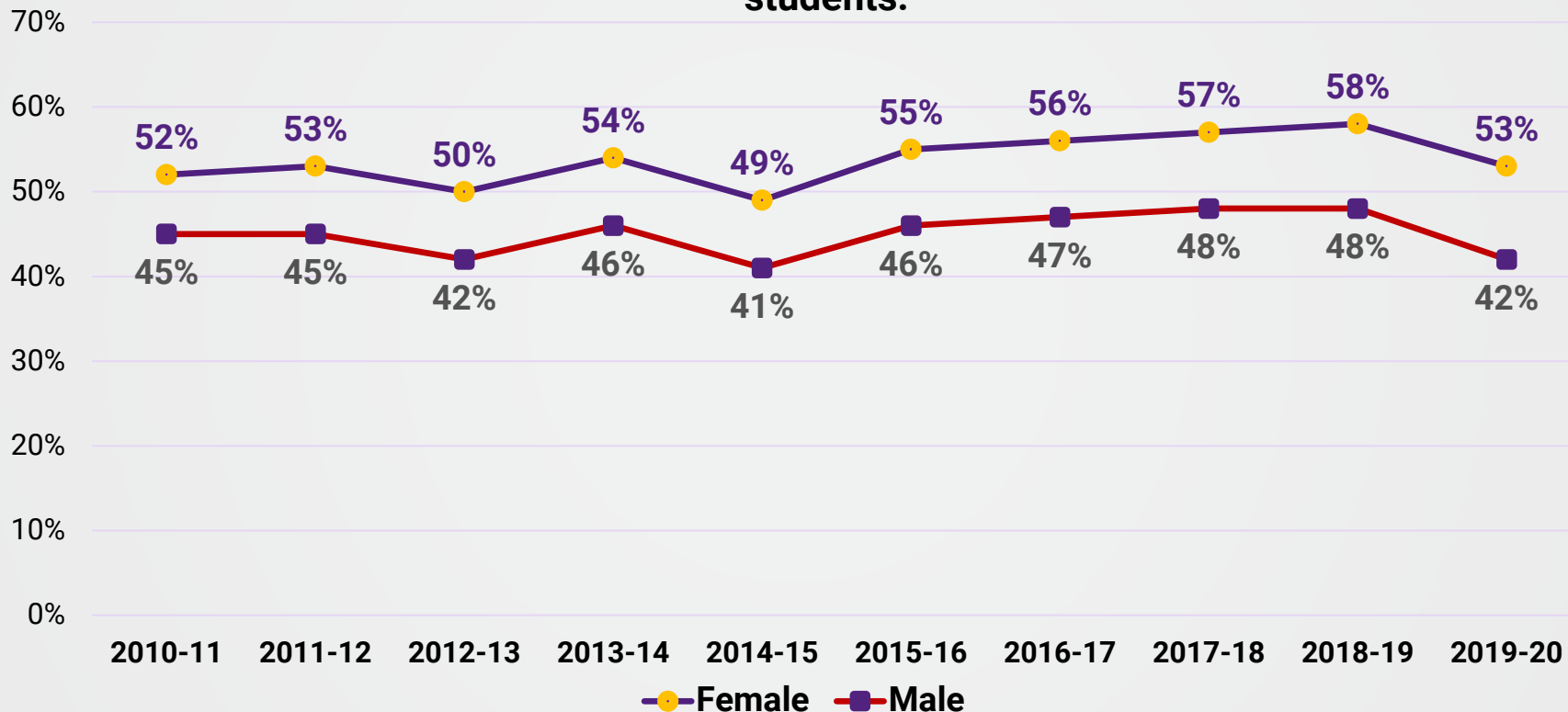
In the fall semester after high school graduation from MCPS, female students were more likely to immediately enroll in college than male students.



Source: MLDS

## Figure 2: Immediate Enrollment in College the Fall Semester after Graduation from Maryland State HS as a First-Time Full-Time Degree Seeking Student

In the fall semester after high school graduation from a high school in Maryland, female students were more likely to immediately enroll in college than male students.

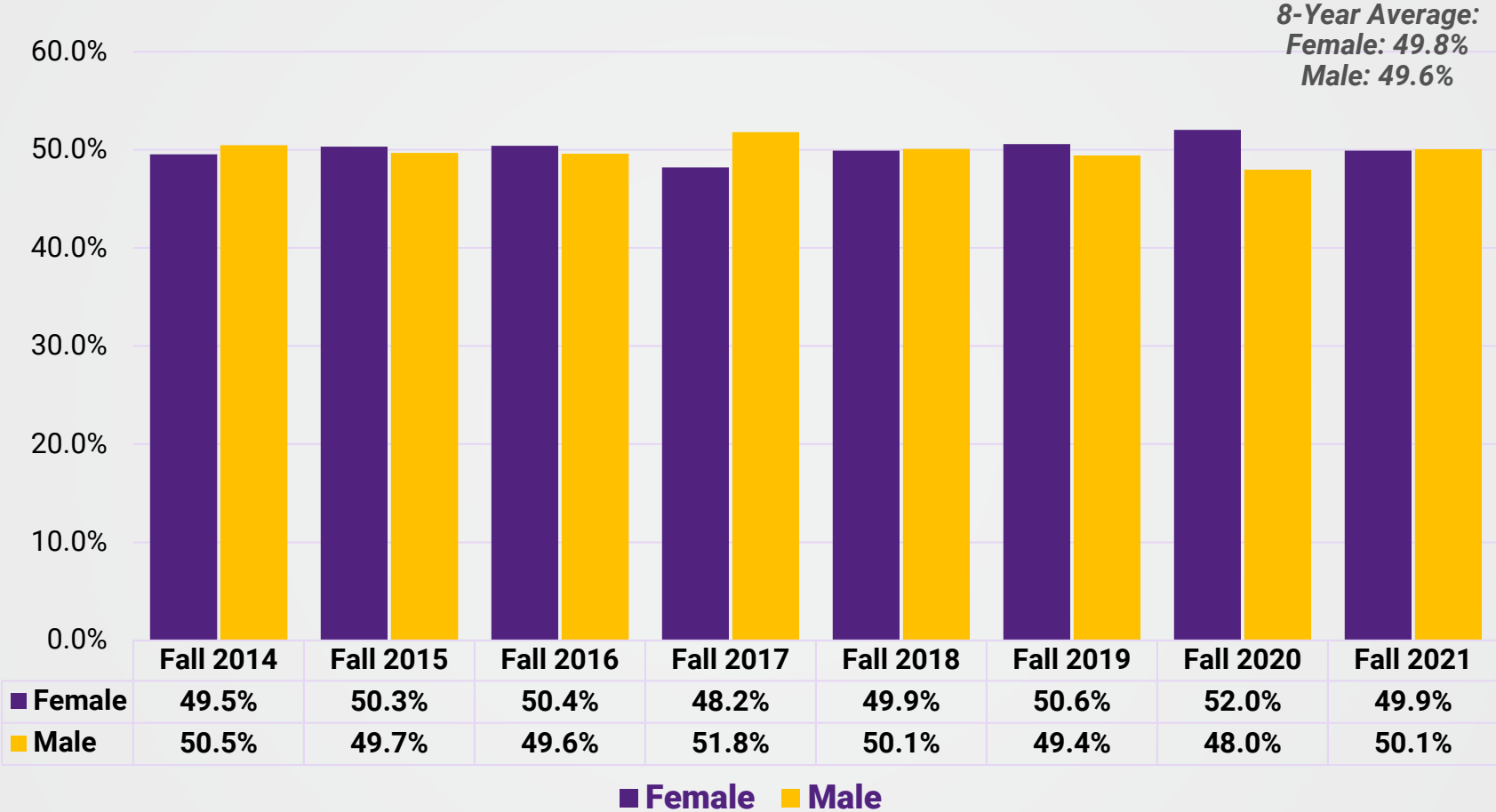


Source: MLDSC

# Arrival

## First-Time Ever in College (FTEIC)

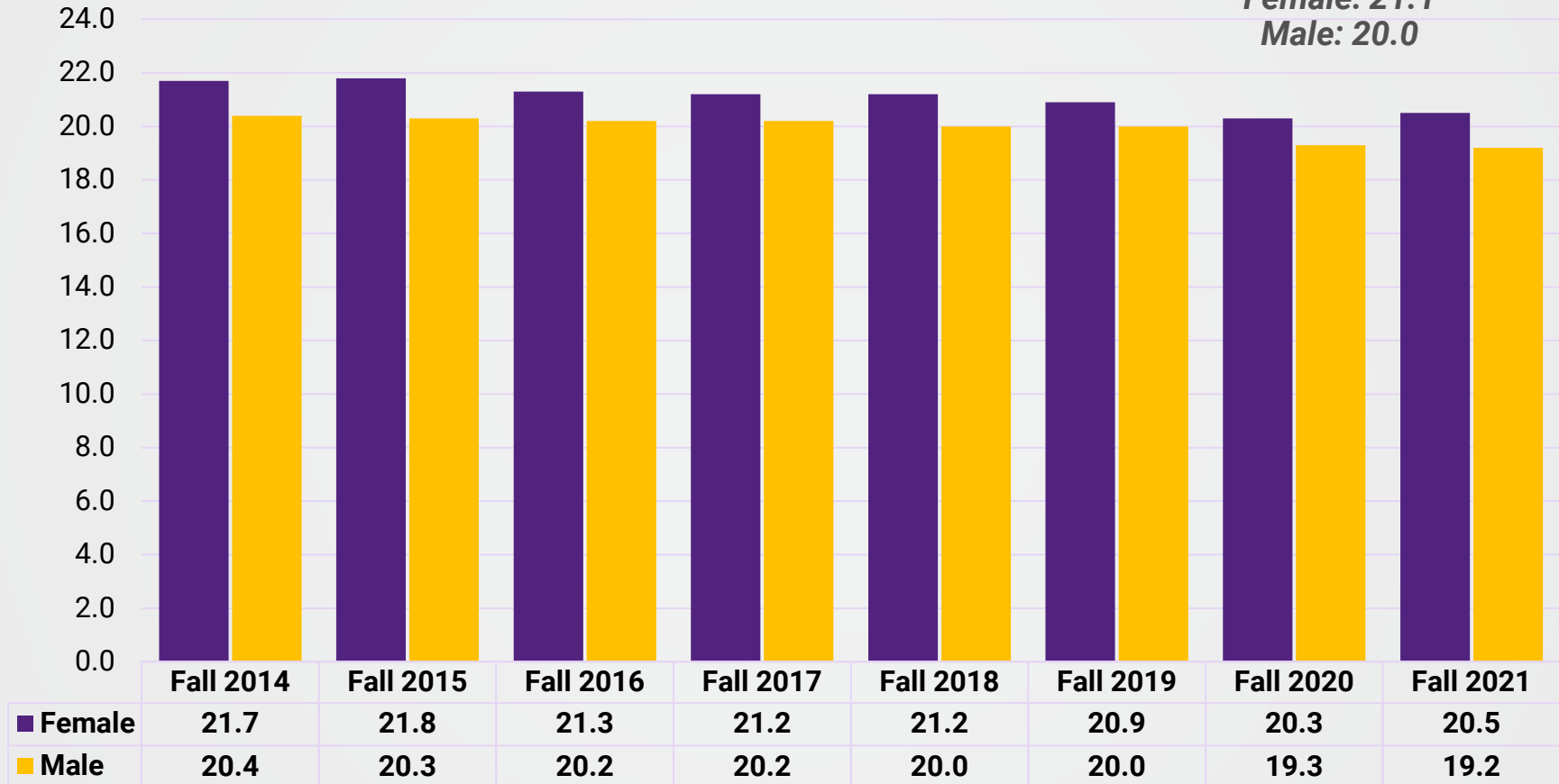
# Figure 3: Fall FTEIC Enrollment by Gender



Source: 3<sup>rd</sup>-week MSFSTDN. Data warehouse

# Figure 4: Fall FTEIC Enrollment Average Age by Gender

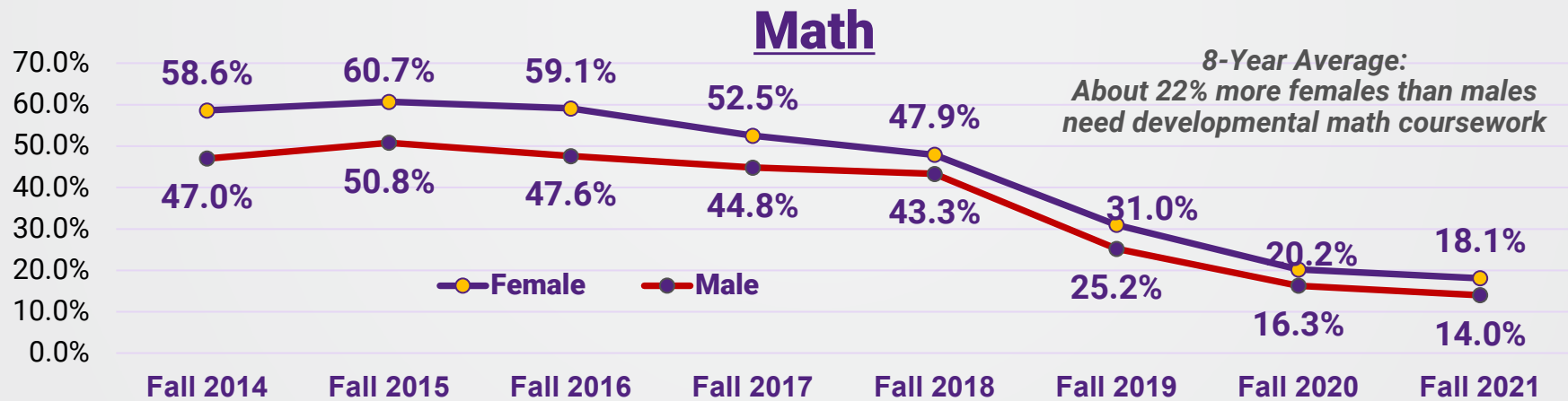
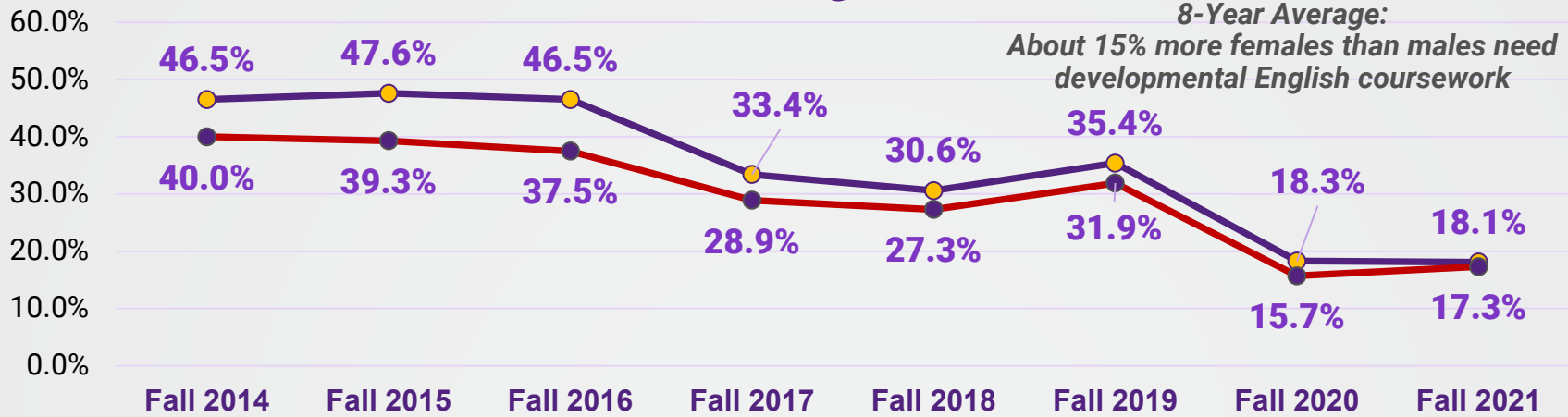
**8-Year Average:**  
**Female: 21.1**  
**Male: 20.0**



Source: 3<sup>rd</sup>-week MSFSTDN. Data warehouse



# Figure 5: % of MC Students in Need of Developmental Coursework English

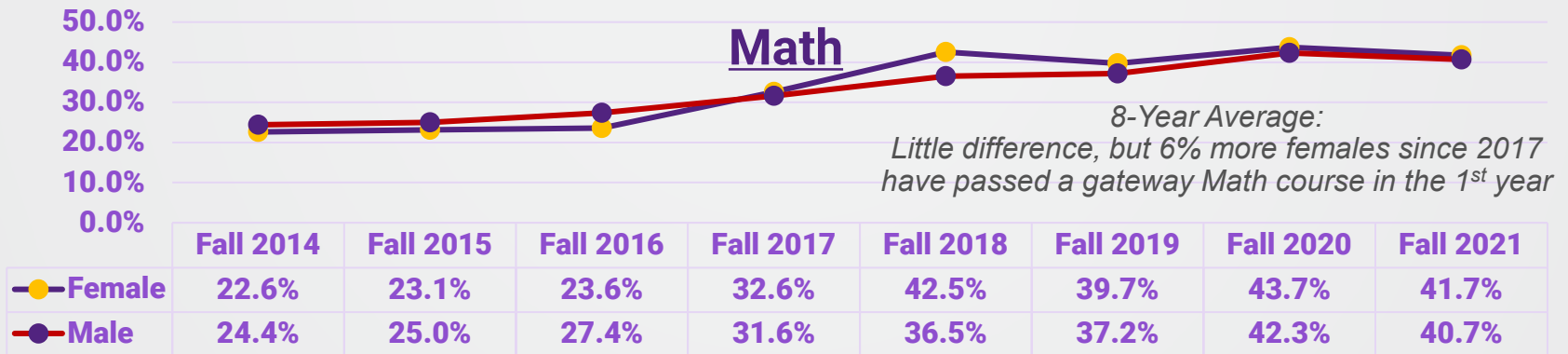
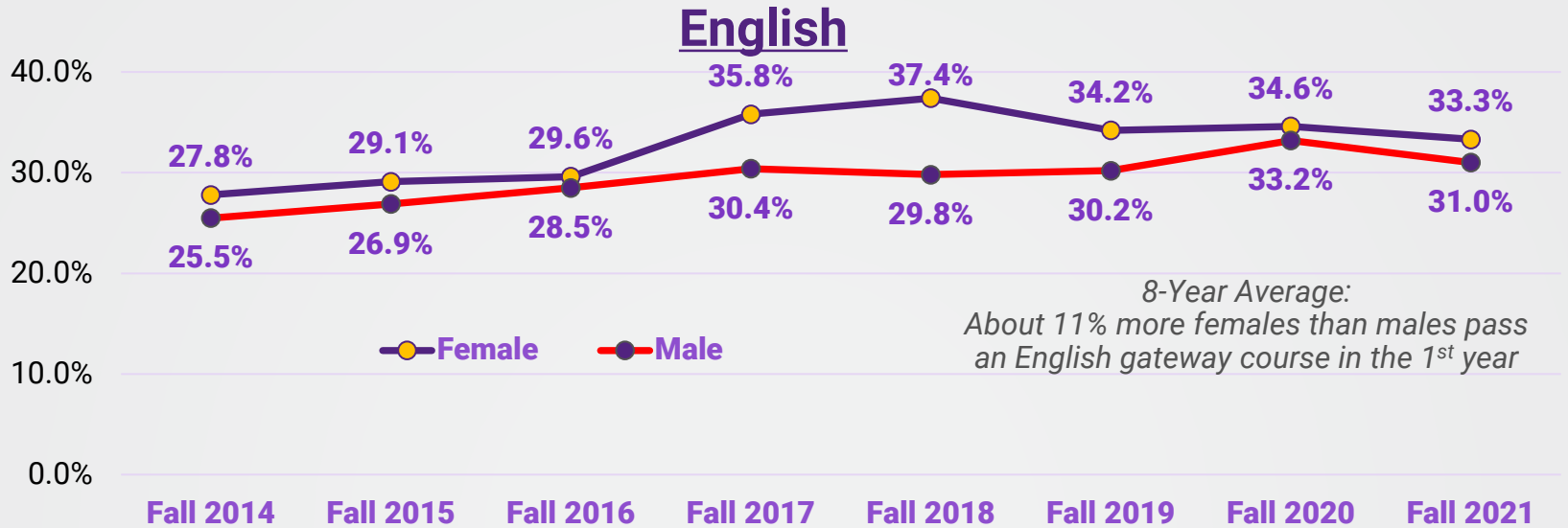


Source: 3<sup>rd</sup>-week MSFSTDN, SORTTEST. Data warehouse

# Progression

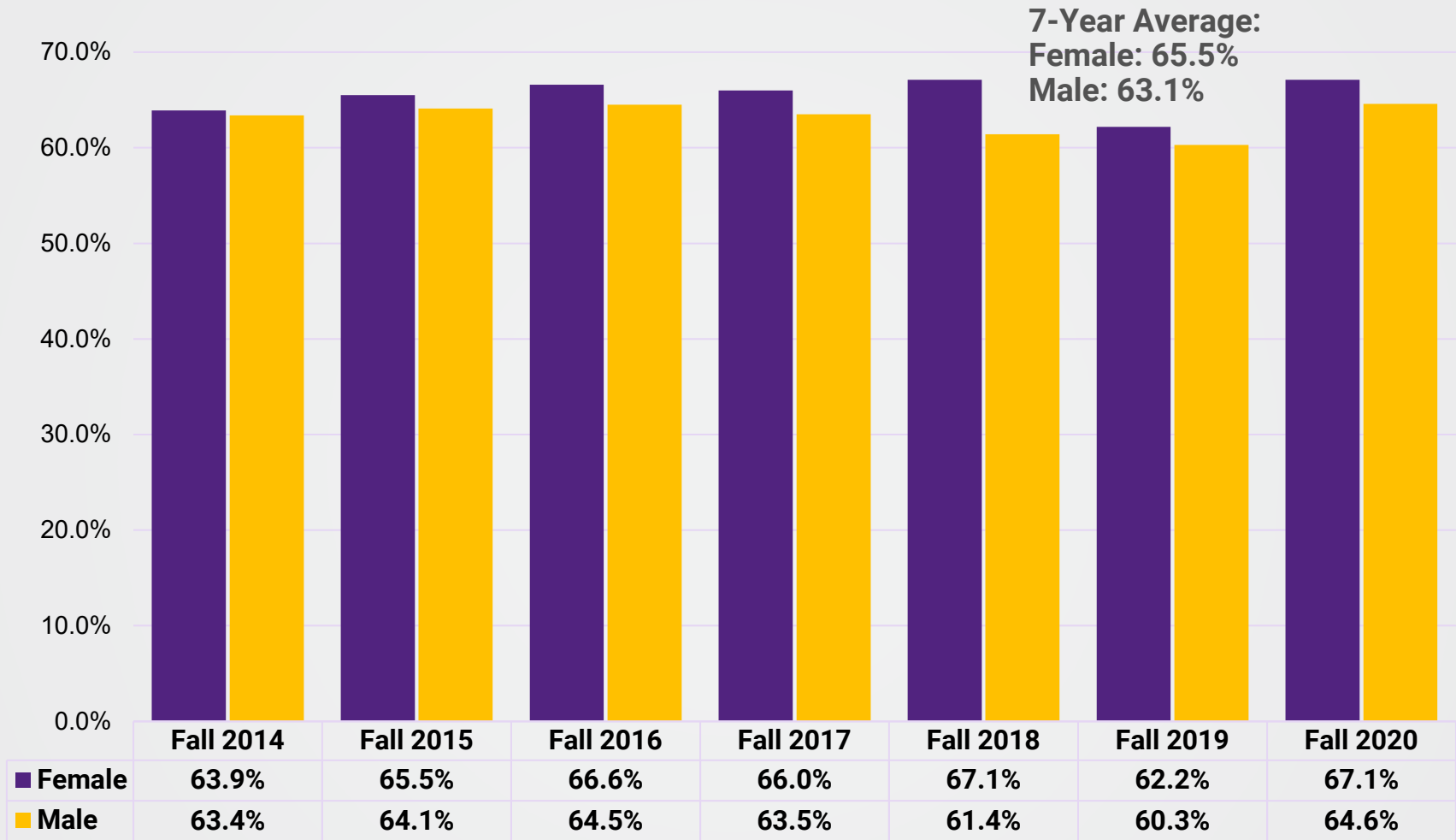
Performance Measures

**Figure 6: % of MC Students Passed Gateway Course in 1<sup>st</sup> Year**



Source: 3<sup>rd</sup>-week MSFSTDN, MSFSECT. Data warehouse

# Figure 7: Fall-Fall Retention by Gender



Source: 3<sup>rd</sup>-week MSFSTDN. Data warehouse

# Credit Attainment Milestones Definition (from Score Card)

## Attainment of Credit-Level **Year 1 Milestones** By New Students

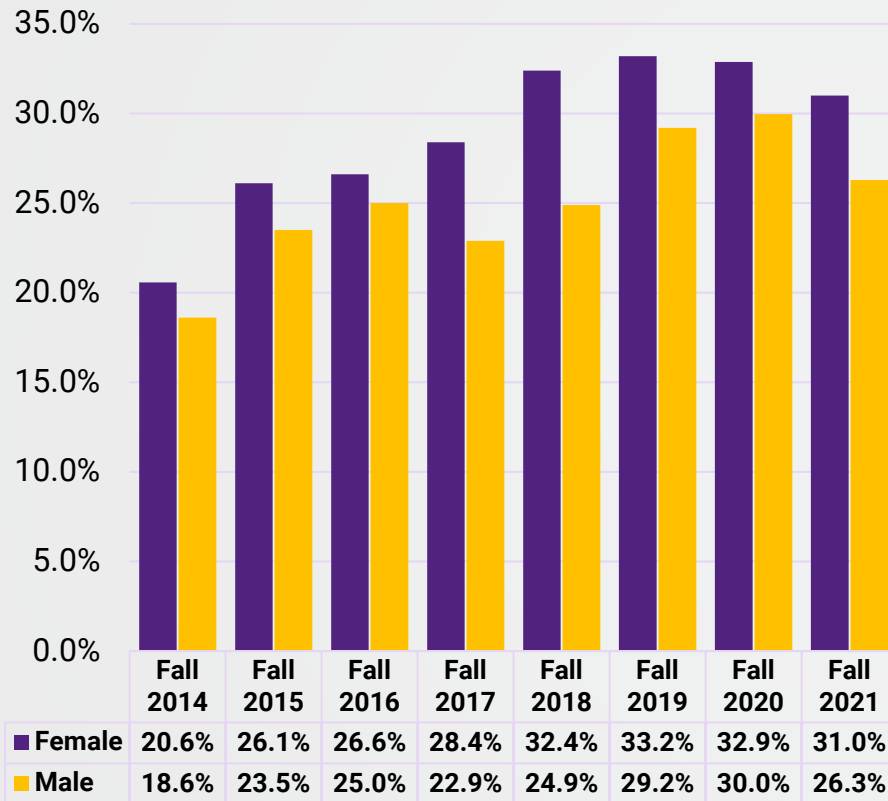
- For students starting as Full Time—Year 1 Milestone = 24 credits
- For students starting as Part Time—Year 1 Milestone = 12 credits

## Attainment of Credit-Level **Year 2 Milestones** By New Students

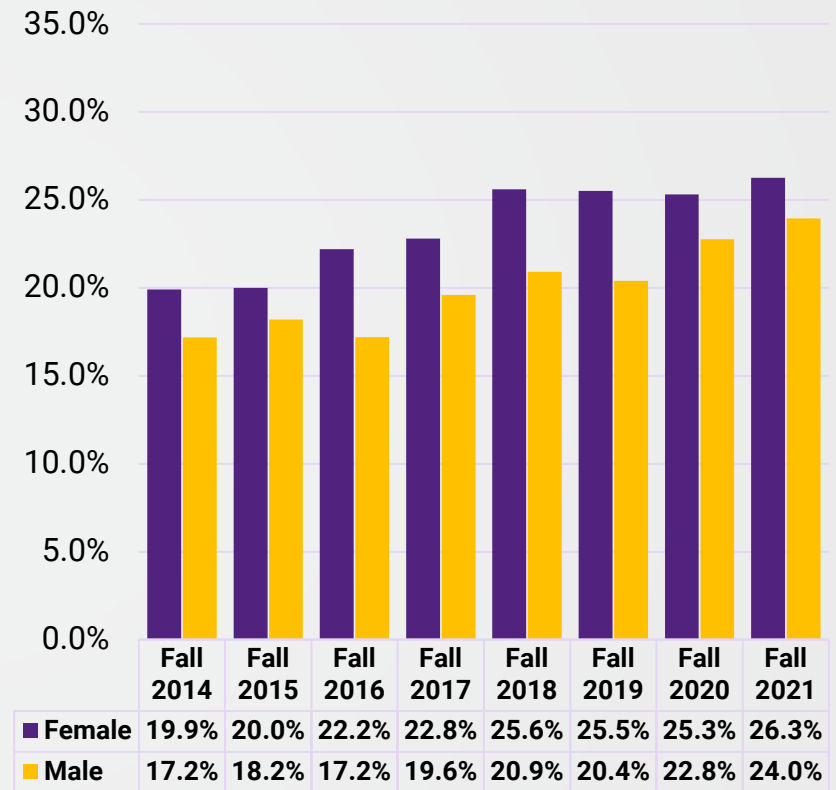
- For students starting as Full Time—Year 2 Milestone = 48 credits
- For students starting as Part Time—Year 2 Milestone = 24 credits

# Figure 8: Percentages of FTEIC Students reaching Year 1 Credit Attainment Benchmark by Gender

## Year 1 - Full-Time (24 credit hours)

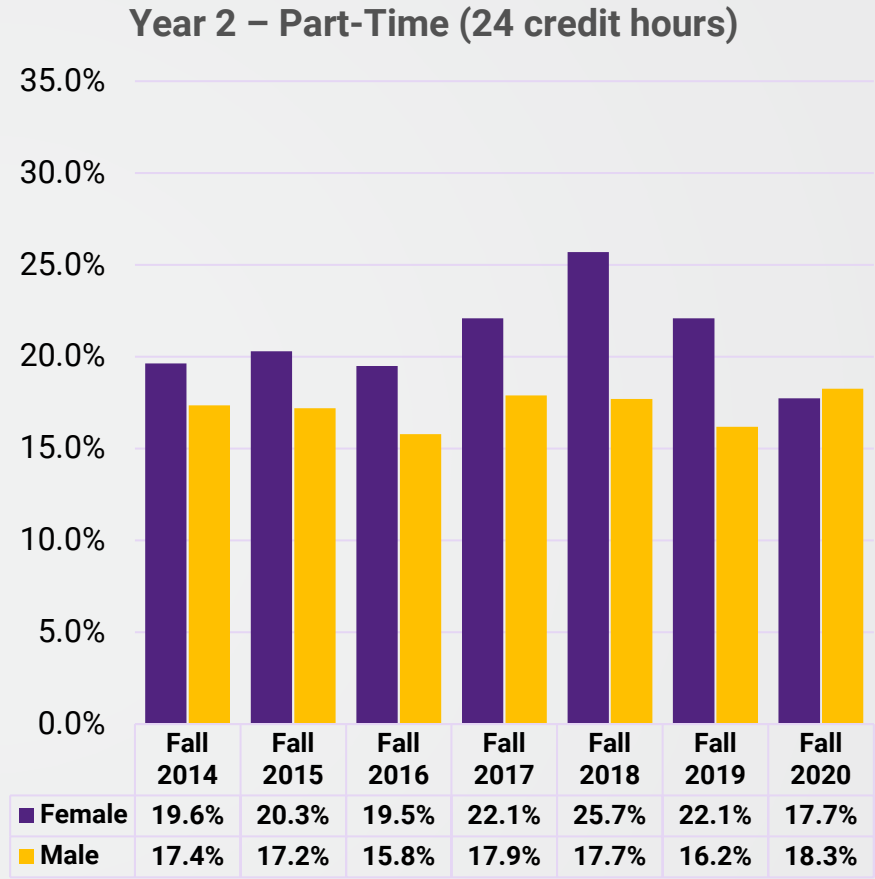
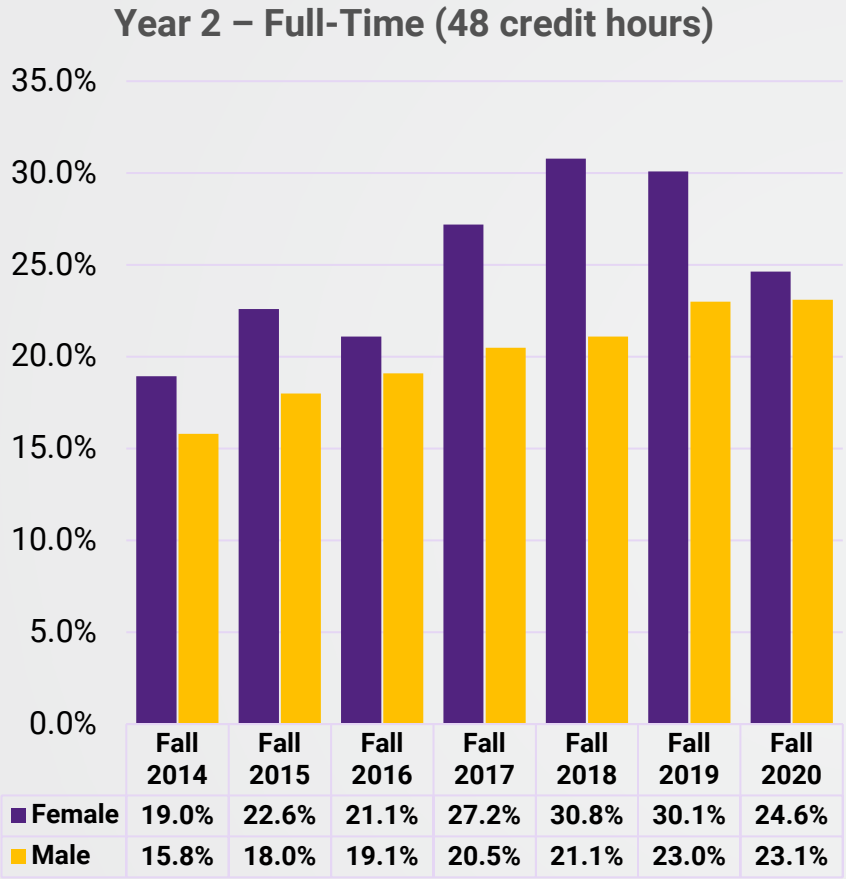


## Year 1 - Part-Time (12 credit hours)



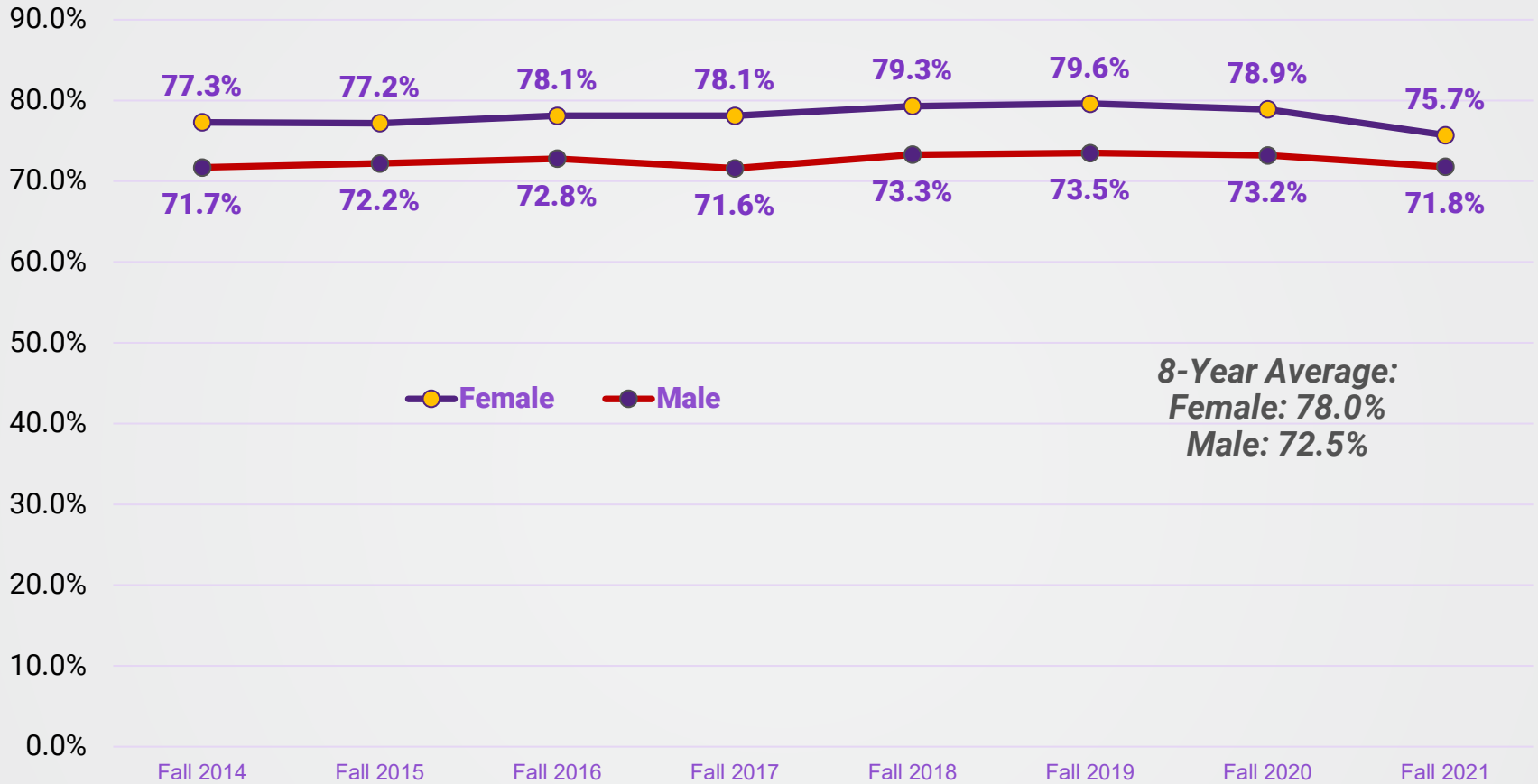
Source: 3<sup>rd</sup>-week MSFSTDN. Data warehouse

# Figure 9: Percentages of FTEIC Students reaching Year 2 Credit Attainment Benchmark by Gender



Source: 3<sup>rd</sup>-week MSFSTDN. Data warehouse

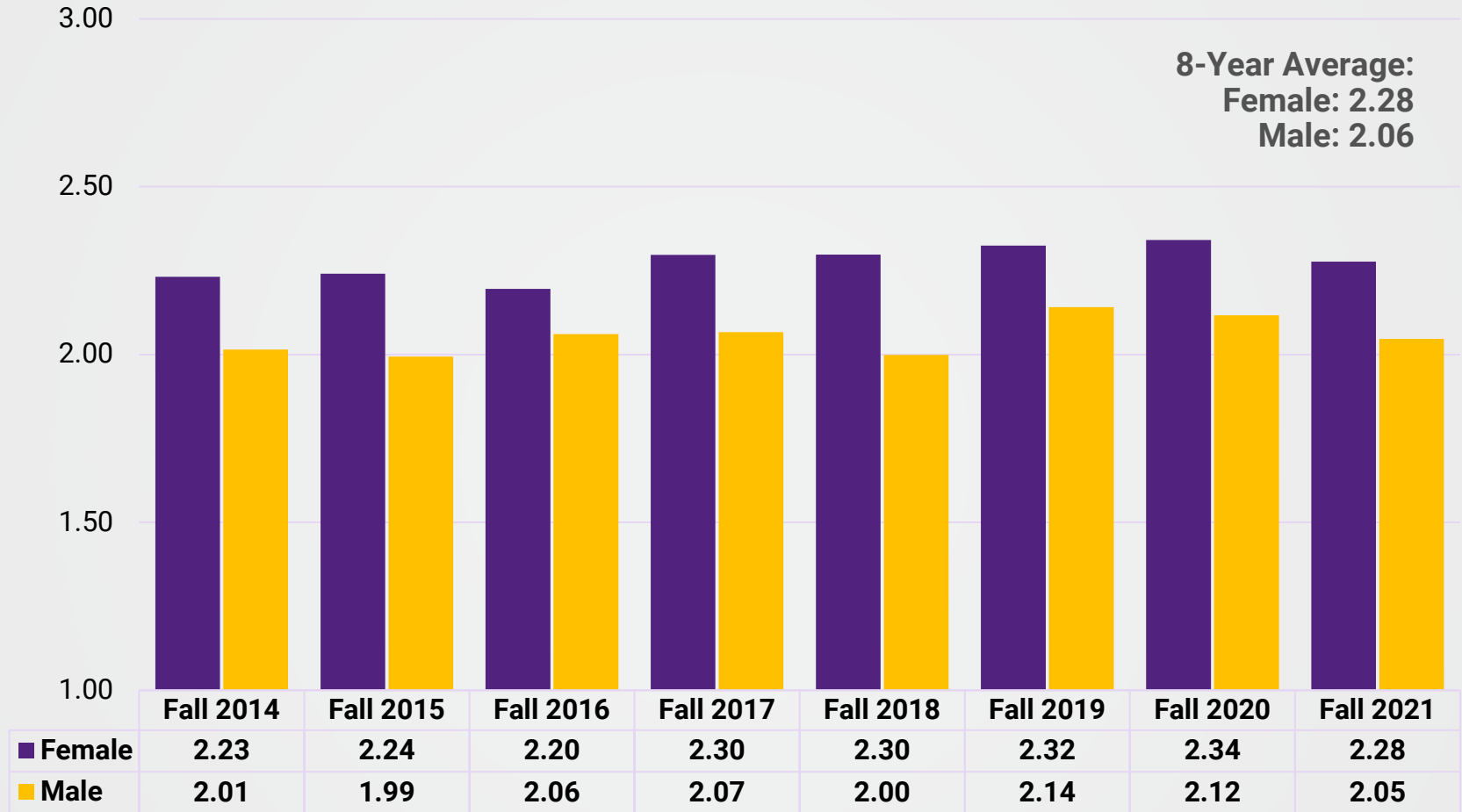
# Figure 10: Overall Course Pass Rate of MC Students



Source: MSFSECT. Data warehouse



# Figure 11: 1<sup>st</sup> Term Average GPA by Gender (FTEIC)



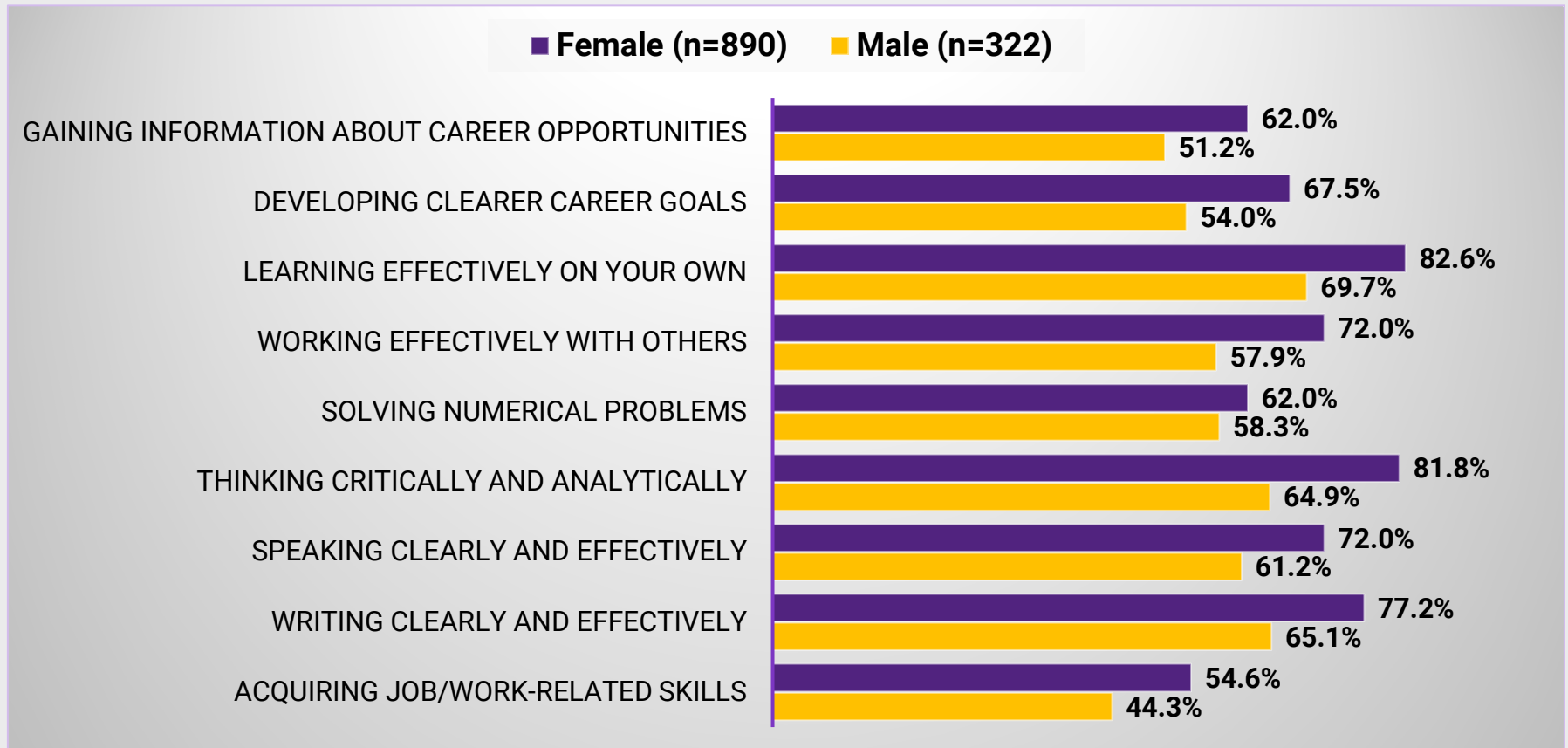
Source: 3<sup>rd</sup>-week Student table, Term GPA table. Data warehouse.

# Engagement

# Figure 12: 2021 Community College Survey of Student Engagement:

## MC Results by Gender

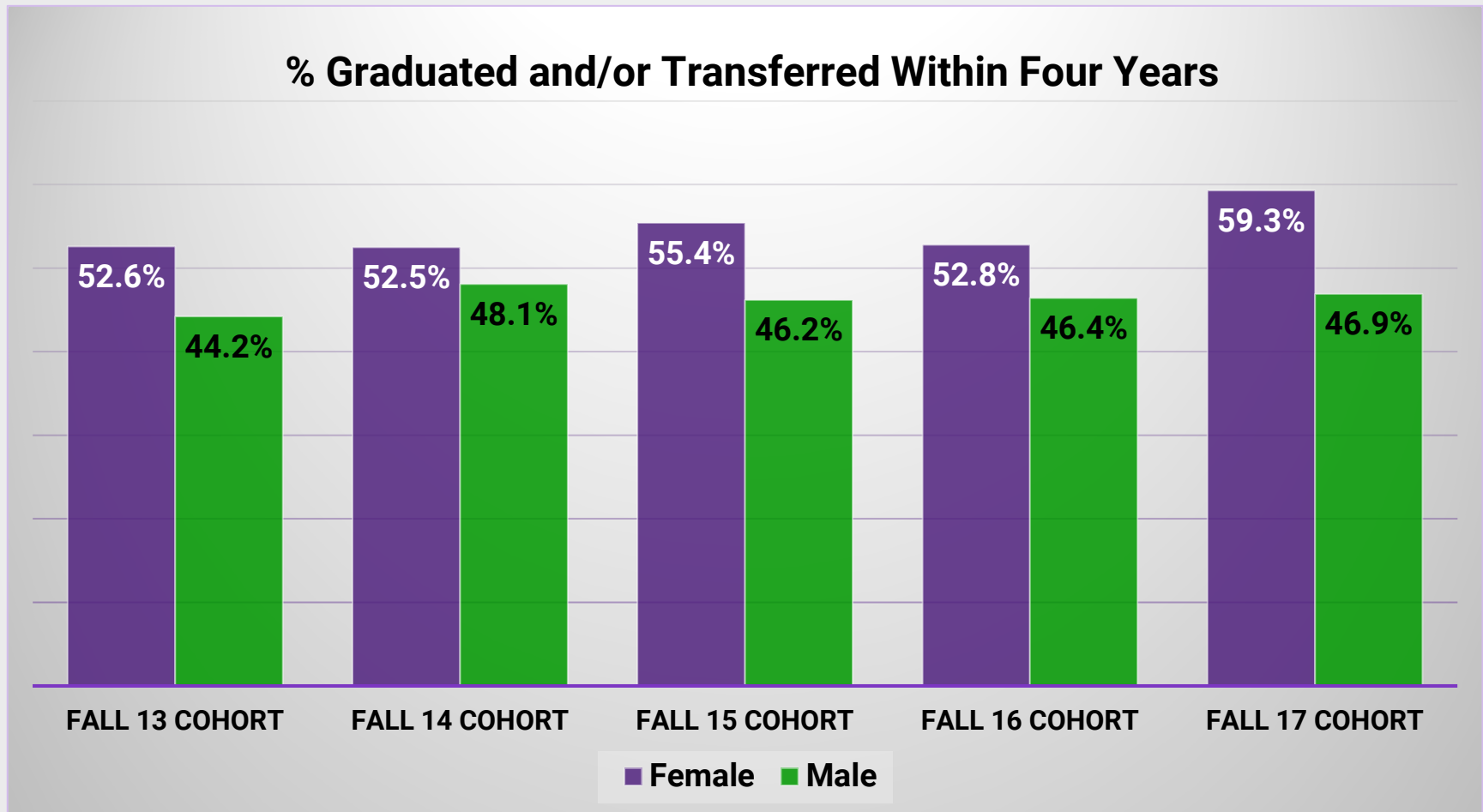
How much has your experience at this college contributed to your knowledge, skills, and personal development? “Quite a Bit” + “Very Much”



# Completion

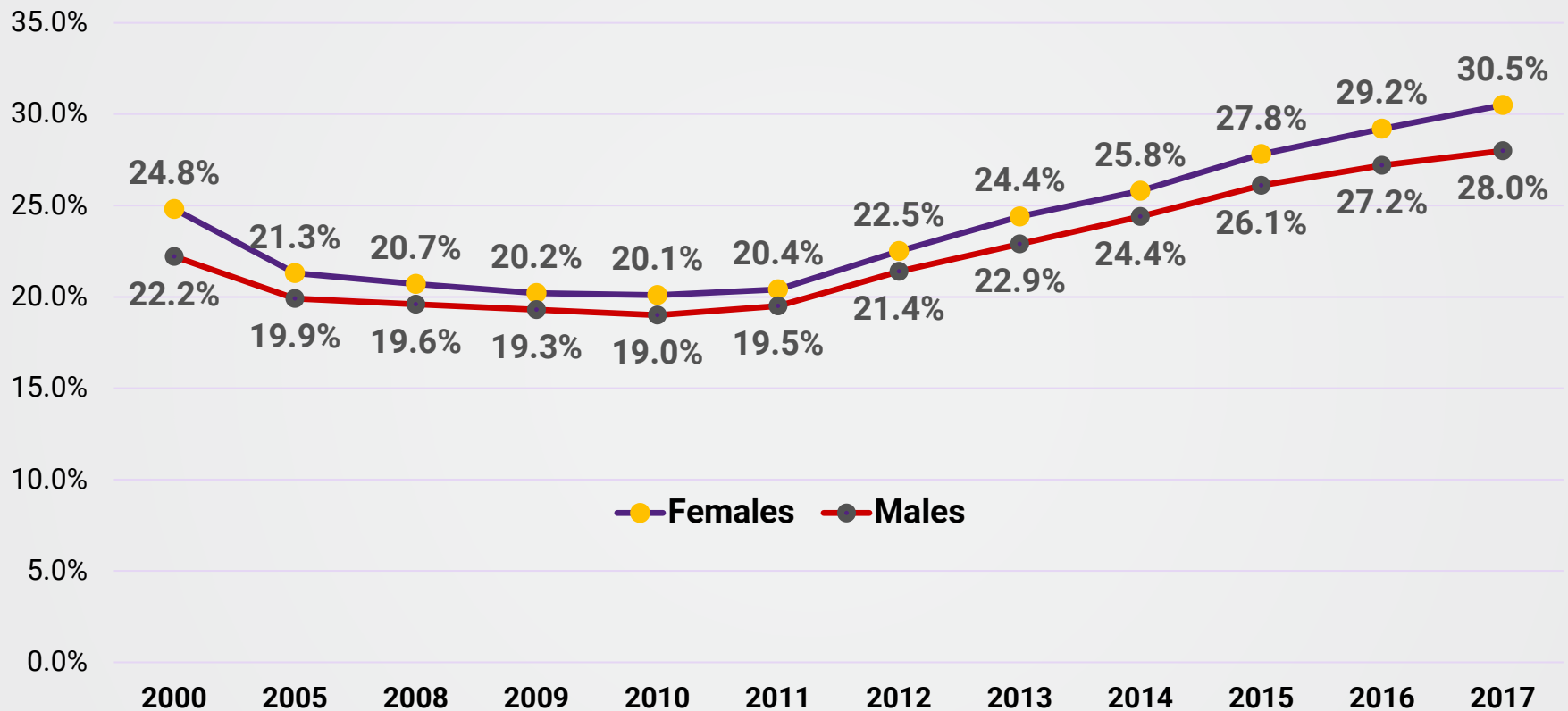
- Degree Attainment
- Graduation/Transfer Rates

**Figure 13: MC's Grad/Transfer Rates Using MHEC'S Degree Progress Model**



Source: MHEC Performance Accountability Report (Degree Progress Model)

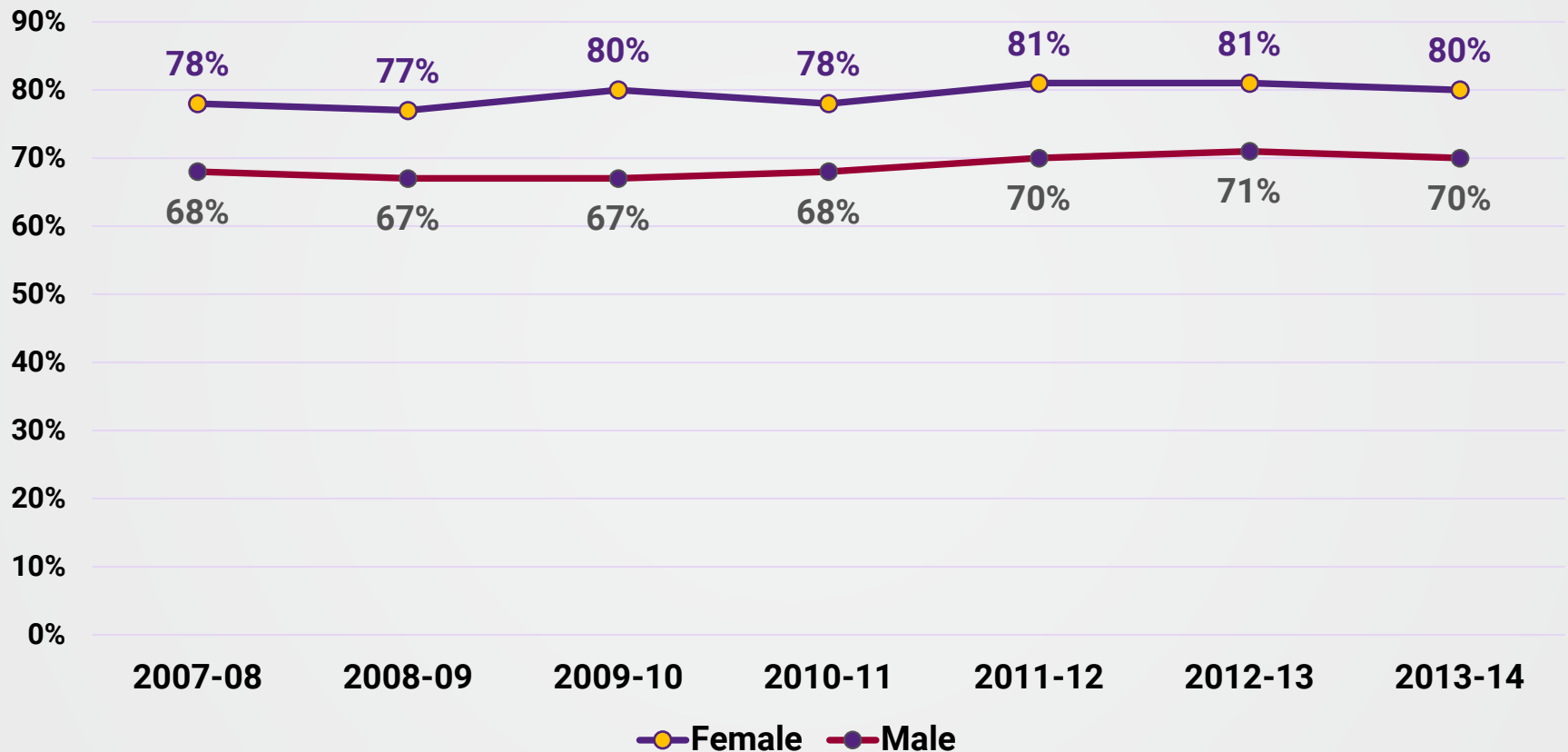
**Figure 14: Graduation Rate from First Institution Attended within 150 Percent of Normal Time for First-Time, Full-Time Degree/Certificate Seeking Students at 2-Year Public Postsecondary Institutions, by Sex**



Source: National Center for Educational Statistics: 2021 Digest of Education Statistics.

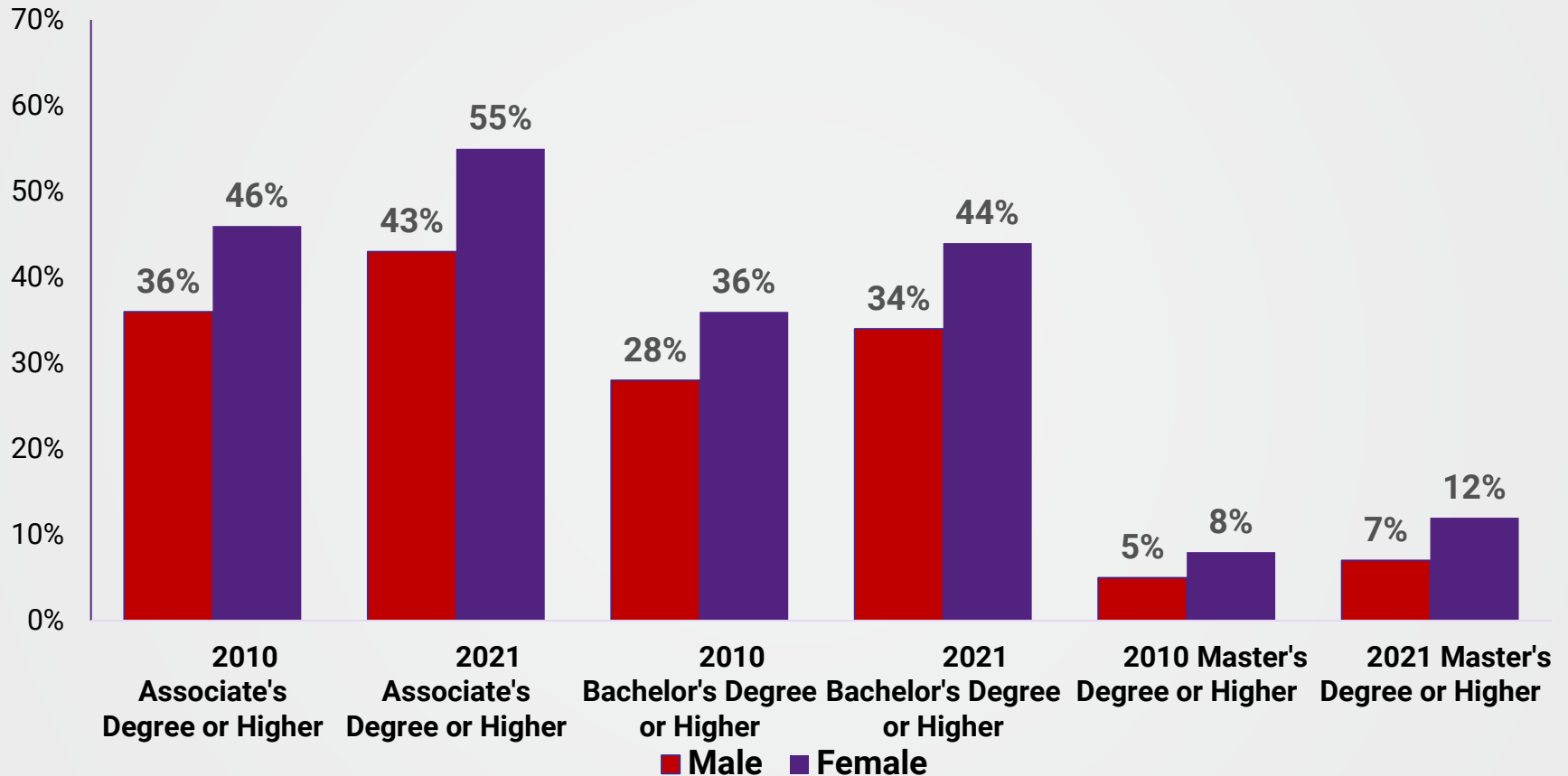
## Figure 15: Percentage of MCPS Graduates Who Enrolled Immediately in College After Graduation and Earned a College Degree by Age 25

For MCPS students who immediately enrolled in college after graduation, female students were more likely to have graduated and earned a college degree by age 25 than male students.



**Figure 16: National Educational Attainment by Gender for 25-to-29 Year-Olds Two Points in Time**

**2010 and 2021**



Source: National Center for Educational Statistics: 2021 Digest of Education Statistics.



**For more information, contact:**

[research@montgomerycollege.edu](mailto:research@montgomerycollege.edu)