

A Behind-the-Scenes Look at the Development and Management of the University's COVID-19 Public Dashboard

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Agenda

1. Goals of the dashboard
2. Overview of the dashboard
3. A collaborative effort
4. Challenges: data and logistics
5. Lessons learned
6. Look towards 2021

Goal of Lehigh's Public COVID-19 Dashboard

Key questions:

- How many tests are being administered and when? What are the results of these tests?
- What are the total number of cases among students on campus, and off campus in the Bethlehem area?
- How many students are currently in isolation or quarantine?
- How many faculty and staff have tested positive?

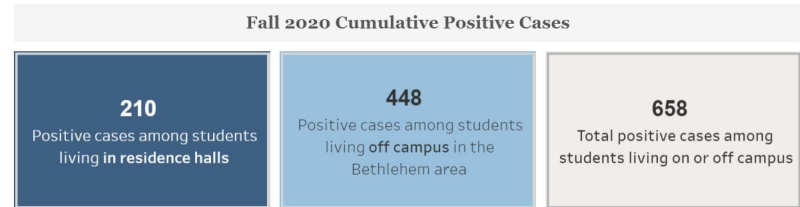
Overview of Dashboard Page

<https://coronavirus.lehigh.edu/covid-19-dashboard-reporting>

Fall 2020 Lehigh Student COVID-19 Cases

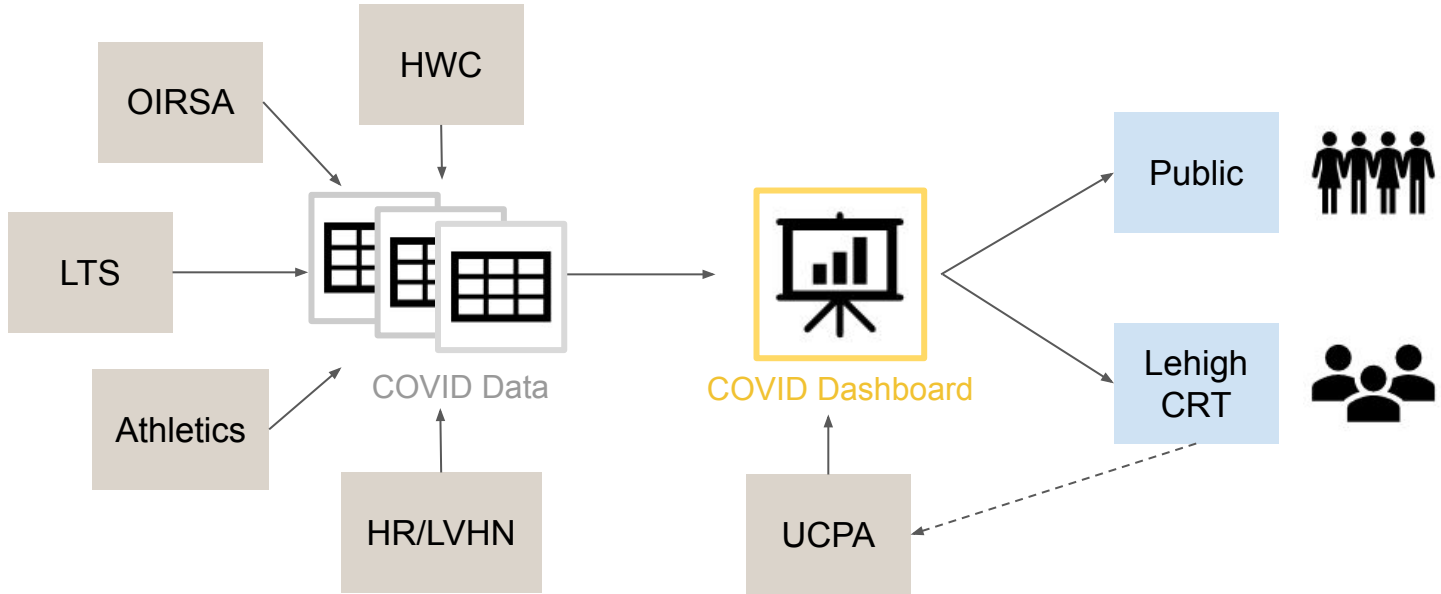
The below figures represent the **total count of all Lehigh-enrolled students with known positive COVID-19 tests who resided in the Bethlehem area or on campus**. This information includes the running total of positive results from all types of testing administered between August 7 and December 31.

Includes data from 8/7/2020 to 12/31/2020. Updated: 1/6/2021 11:30:00 AM



Of the **658** positive cases, **237** students tested positive as a result of initial or ongoing surveillance testing, **286** tested positive after undergoing testing conducted by the Lehigh Health and Wellness Center, and **135** were reported from tests administered elsewhere (see "Additional Reported Information").

A collaborative effort



Challenges faced with the data

- Fast changing data and requirement for real time reporting
- Data is gathered from communicating with students
 - Manual data entry
 - Large amount of data (cases, contact tracing, isolation/quarantine).
 - Large number of HWC staff & volunteers
 - Complexity of the data
- Student location accuracy issues

Lessons learned

- Collaboration and communication
- Be adaptable
- Informing campus policies and restrictions
- Analysis of the Fall 2020 COVID data
- Reception of the dashboard by the public

Look towards 2021

- Adapt to the challenges of this new semester
- Continue improving the dashboard process
- Changes in higher education



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