



SHIELD: Target, Test, Tell

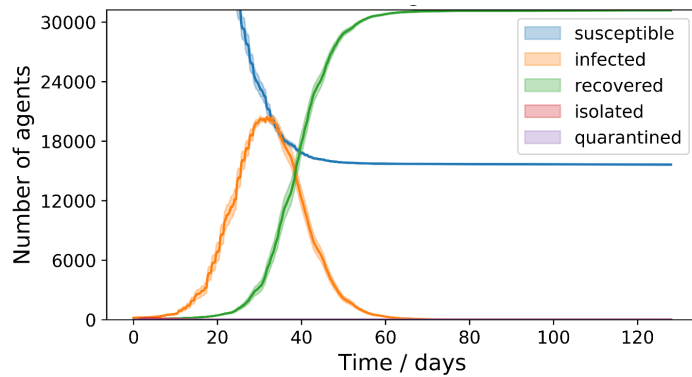
Draft Presentation for Discussion Purposes



UNIVERSITY
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SYSTEM

COVID-19 SHIELD employs a target, test, tell strategy

Target



Modeling to guide test frequency and scheduling

Test



Fast, scalable saliva PCR test for SARS-CoV-2 with results in 4-8 hours

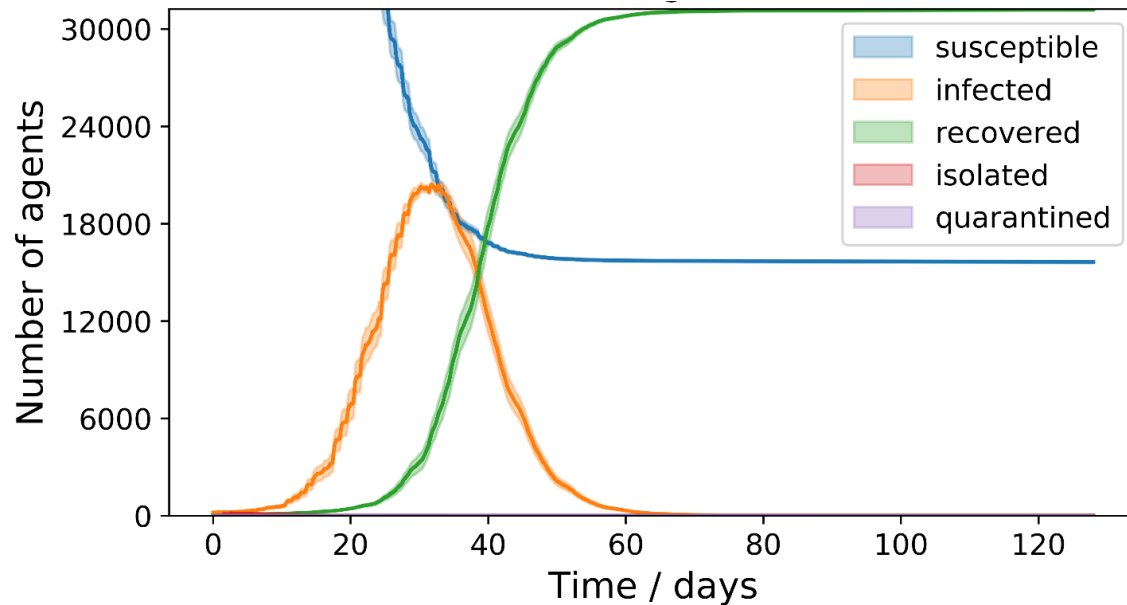
Tell



Digital exposure notifications and manual contact tracing

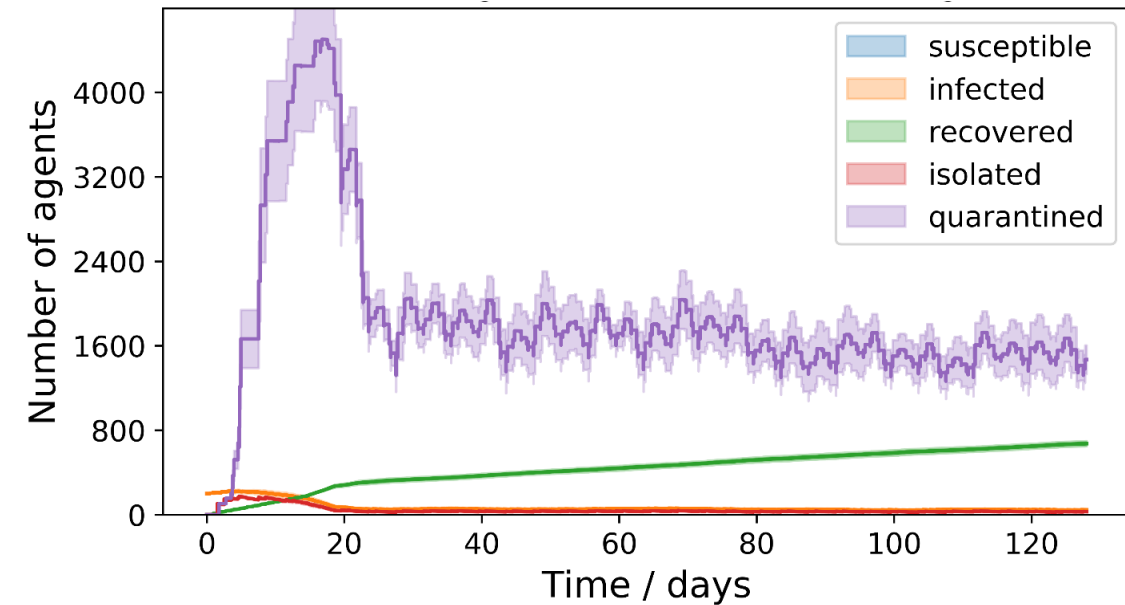
Mitigations can limit spread of COVID-19

Without mitigations



Detailed modeling of 45,000 students working and socializing, transmitting SARS-CoV-2 via proximity and aerosol

With mitigations



Detailed modeling of 45,000 students working and socializing, transmitting SARS-CoV-2 via proximity and aerosol



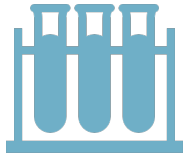
SHIELD will be deployed and implemented at three levels

- COVID-19 SHIELD – for the campuses of UIUC, UIC, and UIS
The implementation is driven from within each campus
- SHIELD Illinois – for the state of Illinois beyond the campuses
The implementation is driven by a team within the U of I System
- SHIELD T3 – for organizations outside the state of Illinois
The implementation is driven by a University Related Organization (URO)



Each is being run by a separate team. Each team works closely with the other teams to learn from and leverage each other. Each is developing partnerships with communities, companies, universities, and government entities who are vital to standing up SHIELD at all three levels.

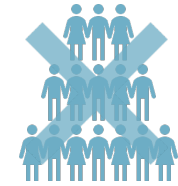
UIUC has instituted key mitigation strategies to minimize cases of COVID-19



Twice weekly testing
for all students,
faculty and staff on
campus



Mandatory mask
wearing



No large
gatherings

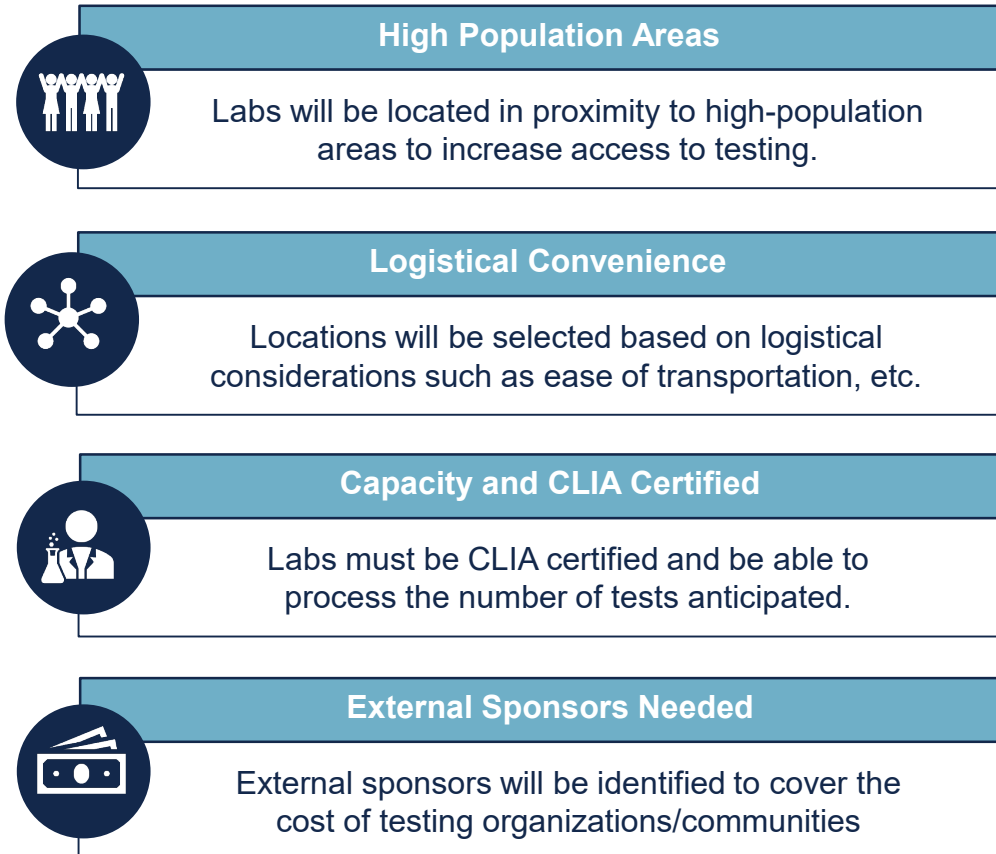


Many classes
moved online



Safer Illinois
app

SHIELD Illinois is looking to open lab locations and collection sites across the state of Illinois



Strategic placement of testing locations will enable efficient and large-scale testing to reduce Illinois' overall infection rate.

SHIELD Illinois will provide the infrastructure required to effectively and efficiently conduct tests in communities



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Provide training, materials, and consumables for sample collection site



Solve logistics to transport samples to labs



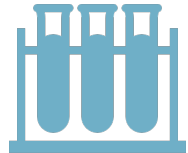
Load balance supplies and samples collected between labs



Provide equipment needed to run labs



“Lab-in-a-box” concept delivers help with site questions, CLIA certification and testing SOP



Secure supply chain and provide testing consumables



Integrate technology and data from intake to results



Pay lab personnel at collection and lab sites



Work to identify process improvements and SHIELD sponsors to reduce test costs

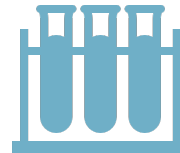
Through end-to-end support, SHIELD Illinois will ensure that external sponsors and partners have the necessary resources to test successfully.

SHIELD T3 will license the testing protocol and extend know-how outside the state of Illinois



Target

Risk-based, optimized model determines testing frequency



Test

Low-cost, scalable saliva-based test



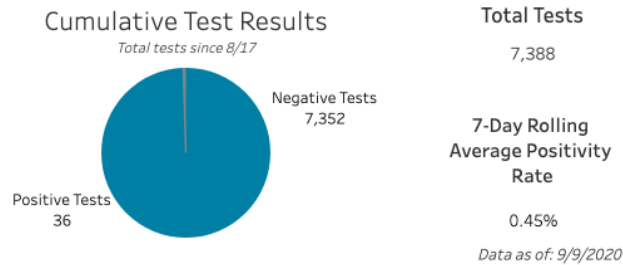
Tell

App that provides digital contact tracing and privacy-compliant status

SHIELD T3 is ideally suited to large, semi-closed communities such as universities, smaller cities, military bases, large employers, and factories

COVID-19 SHIELD has ramped up testing to be more than 2% of the tests in the U.S. on a given day

CHICAGO



Test Results by Week

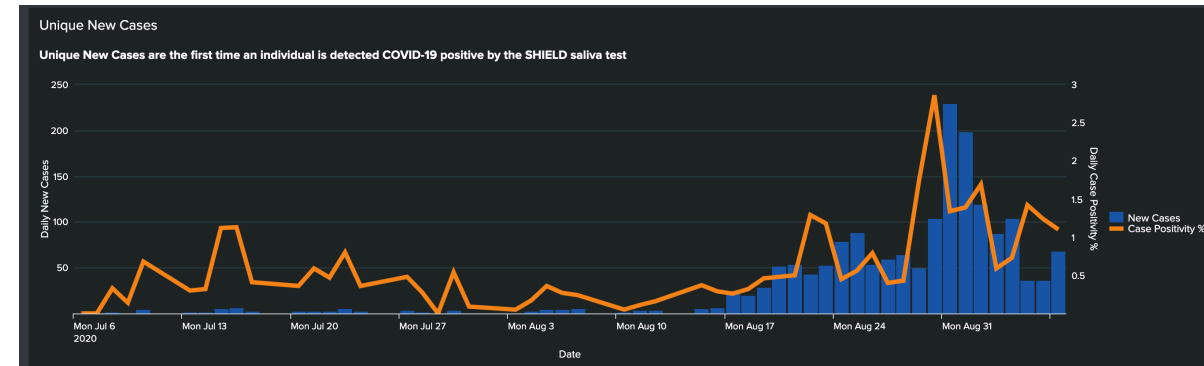
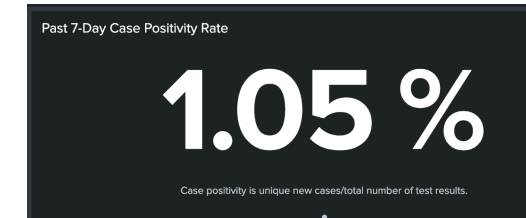
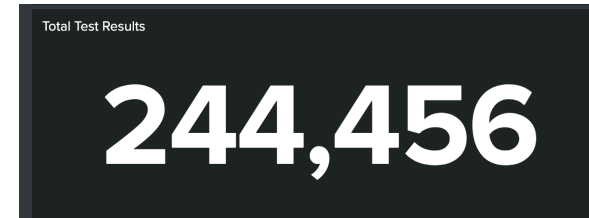
	Positive Tests	Negative Tests	Positive %	Total
Week of 8/16	6	1,638	0.36	1,644
Week of 8/23	20	3,068	0.65	3,088
Week of 8/30	9	2,460	0.36	2,469
Week of 9/6	1	186	0.53	187

- UIC has made weekly saliva testing mandatory for students/staff in campus housing, the performing arts and athletics



- All other students can voluntarily participate in saliva testing

URBANA-CHAMPAIGN

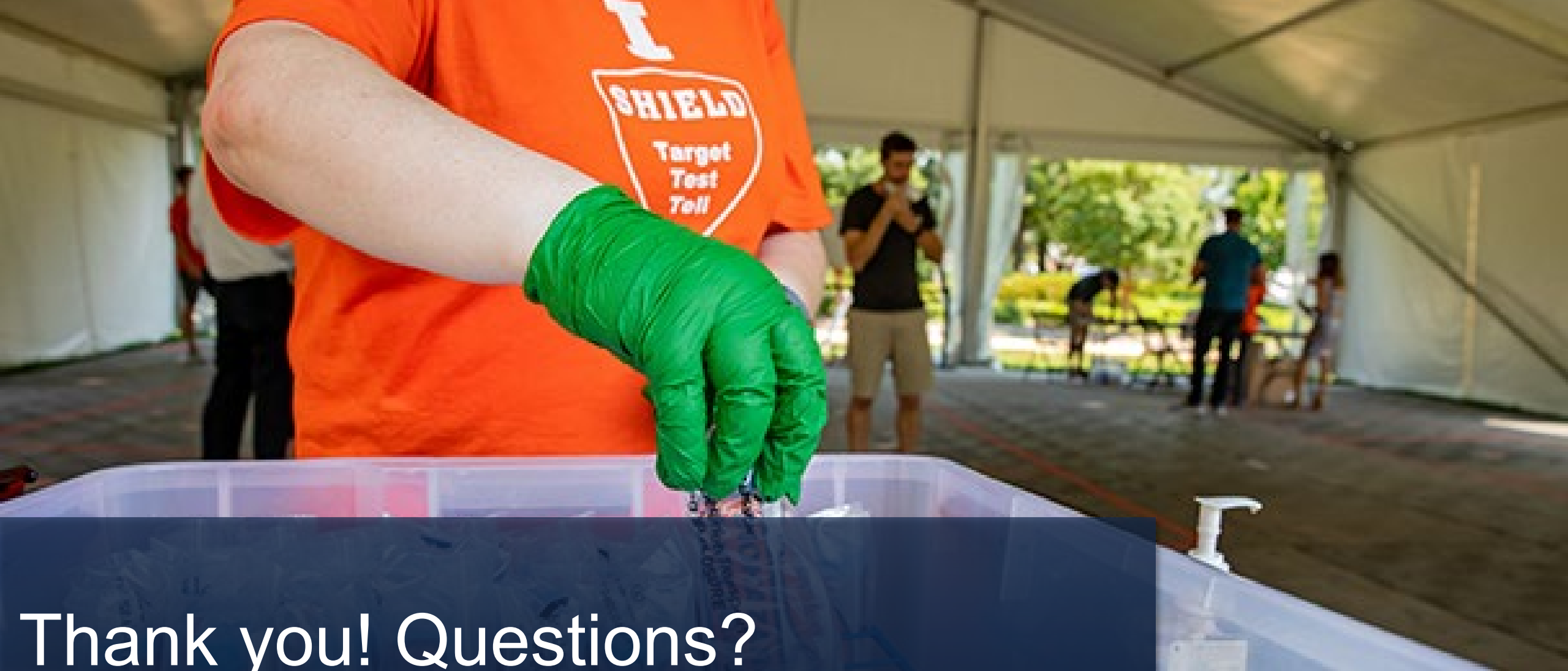


SPRINGFIELD

UIS is testing weekly all students, faculty and staff who are coming to campus

Total Tests Since Aug. 17, 2020	Daily Tests Sept. 4, 2020	Daily Positivity Rate on Sept. 4:	7-Day Positivity Rate on Sept. 4:
4,806	278	0.00%	0.34%

- UIUC is testing twice weekly all students, faculty and staff who are coming to campus



Thank you! Questions?