HEALTHY CAMPUS CASE STUDY	
Name of Institution	University College Cork
Who led the initiative?	Student Health Department, School of Microbiology, COMH
Date and timeframe of the initiative	March 2021 and ongoing
What was the reach of the initiative?	Target = all students and staff Reach = 2,500
Initiative Title	Digital Response to Infectious Disease Management – Closed Loop Care
Aims/ Objectives	Infectious disease protection, prediction, detection, diagnosis, and care
The rationale for the action, including any identified health needs	Support for students on clinical placements during pandemic Support for all staff and students returning to campus Management of other seasonal viruses during the winter Ongoing management of infectious diseases detection and treatment Extend reach of scarce resources in Student health Dept.
Identify all frameworks, policies, or strategies this initiative aligns to **(Internal, local or national)**	Healthy Ireland Action Plan 21-25 Healthy Campus Charter and Framework Healthy Ireland

Summary	In response to the Covid 19 pandemic UCC SHD with COMH and school of microbiology began a digital based system of symptom screening using apps for the purpose of
	    1. protecting clinical students and their placements,
	    2. facilitating the safe reopening of the University campus
	The apps are used to declare the presence or absence of symptoms related to respiratory infection. If symptoms are declared, then this triggers a series of emails and a call from a SHD nurse who will provide support and advice to manage illness and reduce/stop transmission.

| | Data generated through the apps is available to inform decisions taken by SHD and the university.

The original apps: Clinical Students App and the Covid Tracker and Daypass app are still in use to allow clinical students to self-declare as well or not (green or red pass) when attending placements and for all students and staff to easily access same day support, advice, GP referral when required and med certs as necessary. This process is operated by a dedicated team which removes this burden from SHD clinicians and admin staff.

The functionality of these apps was taken and added to, to provide an app for the UniCoV project. That app also allowed for self-declaration of symptoms, of antigen test results, uploading of antigen test photo and scanning of a saliva sample barcode. This sample then underwent PCR testing in the microbiology lab.

The range of tests available was expanded with the latest iteration of the app to support syndromic testing and the introduction of clinician administered POCT to screen for Covid 19, flu a and b, adenovirus, RSV and *M.pneumoniae*.

The model of app based screening and closed loop care has proven resilient as its functionality is expanded. The framework is there to add new tests as they become available both in the area of self-testing and POCT. This adds an additional pillar to the UCC Healthy Campus initiative: UniHealth infectious diseases predict, protect, detect and treat. |
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| **Did you collaborate with internal and/or external stakeholders to deliver?** | Students Union UCC
Student Health Department UCC
Schools, academic and research units in the university
COVID-19 Response team in the university
UniCoV Research Team |
| **How was the initiative organised?** | This initiative involved designing an app with an external company and building the supporting system around it. A dedicated team, centrally located on campus, was established to run the service. The system underwent feasibility testing for functionality and GDPR compliance. |
| **What resources did you need?** | Resources included staff, LFAT and PCR testing kits, physical office space and kit-out including laptops, screens and phones, IT support. The initiative was supported by UCC, the HSE, DFHERIS and SFI. |
| **Has it been evaluated? How successful has it** | Data gathered through app activity is being analyzed on an ongoing basis and gives an appreciation of the volumes of individual situations managed |

been?	through this process – numbers that may have proven impossible to manage otherwise. Feedback from users has been very positive and appreciated as an easily accessible support system is available to all staff and students.
Any future plans, including the sustainability of the initiative?	This system has been cloned and redesigned several times to facilitate different requirements around infection disease management. It is proposed that the app-based closed loop care system will remain in place post-COVID-19 to establish a point of care testing programme for other infectious diseases including Influenza, RSV, and non-respiratory infections such as Chlamydia. The success of the programme has resulted in a commitment by UCC that Infectious Disease Prevention and Detection is one of the 5 Action Areas integral to UCC's Healthy Campus initiative.
Key Learning Points	The use of an app interface allows for ease of two-way communication between individuals and the clinical team. Support can be provided to manage self-limiting illnesses and to limit transmission. Self-tests and the rapid point of care tests are very beneficial to the process of monitoring infection spread and informing treatment. Data gathered from the app activity is invaluable to overall decision making. Responding successfully to a university wide health problem can help identify areas for action not previously included under the Healthy Campus initiative.

Healthy Campus Framework Categories (please tick all that apply)

Healthy Campus Process	Whole Campus Approach	Topic	Population Group
Commit ☐	Leadership, Strategy & Governance ✔	Alcohol ☐	Students ✔
Coordinate ☐	Campus Environment (Facilities & Services) ✔	Substance Misuse ☐	Staff ✔
Consult ✔	Campus Culture & Communications ✔	Healthy Eating / Food ☐	Wider community

Create ✓	Personal & Professional Development ☐	Mental Health & Wellbeing ☐	Other ✓ Clinical Placement Settings including hospitals and local GP Practices.
Celebrate & Continue ✓		Sexual Health & Wellbeing ☐	
		Tobacco Free Campus ☐	
		Physical Activity / Active Transport ☐	
		Wellbeing on the Curriculum ☐	
		Health & Sustainability ✓	
		Other ✓ Infectious Disease Prevention and Detection	

Contact Details

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Links	UCC Covid App	University College Cork UCC Clinical Students App	University College Cork UCC UniCov	University College Cork