

College Immunization Rates

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MDPH Immunization Assessment Unit

Disclosure

I, Kathryn Ahnger-Pier, have been asked to disclose any relevant financial relationships with ACCME-defined commercial entities that are either providing financial support for this program or whose products or services are mentioned during this presentation.

I have no relevant financial relationships to disclose.

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Introduction

- ▶ MDPH collects immunization compliance information from childcare/preschool programs, schools with a kindergarten, grade 7, and/or grade 11, and colleges via an annual immunization survey
- ▶ Schools and programs are asked to report on the number of students in compliance with each required vaccine
- ▶ This is also a means to ensure that schools/programs have a list of students that do not meet requirements in the event of vaccine-preventable disease at the school/program

College Immunization Requirements 2020-2021

- ▶ 1 dose Tdap
- ▶ 2 doses MMR (or lab evidence of immunity)
- ▶ 2 doses Varicella (or lab evidence of immunity/history of disease)
- ▶ 3 doses Hepatitis B (or lab evidence of immunity)
- ▶ Students 21 years of age and younger: 1 dose MenACWY vaccine, administered on or after the 16th birthday
- ▶ Influenza requirement for 2020-21 (1 dose by December 31, 2020) rescinded in early 2021

- ▶ Requirements apply to all full-time students and all health science students who are not 100% remote

College Immunization Requirements, cont.

- ▶ Students are allowed a medical or religious exemption to any/all required vaccines
 - ▶ Medical exemptions: a statement from the student's physician that a vaccine is medically contraindicated
 - ▶ Religious exemptions: a statement from the student (or parent/guardian if student under 18) stating a vaccine conflicts with a sincerely held religious belief
- ▶ For MenACWY requirement ONLY: Students may decline meningococcal vaccine via a waiver from the MDPH Meningococcal Information and Waiver Form

Current College Immunization Rates

- ▶ The COVID-19 pandemic delayed the start and end of the 2020-21 College Immunization Survey
- ▶ Combined with the unique challenges of the 2020-21 school year (many students remote, changes in when medical documentation received), 2020-21 data are not yet available

2019-20 College Immunization Rates

► Data received from 84 colleges (78% response rate)

Number of students	Tdap	MMR	Varicella	HepB	Medical Exemption	Religious Exemption	Total Exemptions	Missing Records
268,864	88.9%	90.2%	88.7%	89.3%	0.27%	0.24%	0.52%	4.9%

Students 21 and under	MenACWY Vaccine	Waiver
58,842	71.8%	7.2%

2019-20 College Immunization Rates by Student Type

Health Science Students	Tdap	MMR	Varicella	HepB	Total Exemptions	Missing Records
28,111	93.4%	94.0%	93.7%	93.2%	0.24%	2.4%

Undergraduate Students	Tdap	MMR	Varicella	HepB	Total Exemptions	Missing Records
189,435	89.0%	90.2%	88.1%	90.0%	0.58%	4.6%

Graduate Students	Tdap	MMR	Varicella	HepB	Total Exemptions	Missing Records
51,318	86.0%	88.2%	88.1%	85.7%	0.45%	7.4%

2019-20 College Immunization Rates by College Type

College Type	Tdap	MMR	Varicella	HepB	Total Exemptions	Missing Records
Community College	57.7%	58.4%	56.8%	57.7%	0.55%	27.7%
Non-Community College	91.9%	93.3%	91.8%	92.4%	0.51%	2.7%

Data Available on DPH Website

College data

- [College Immunization Data by School 2019–2020 \(Excel\)](#)
- [College Statewide Health Science Immunization Rates 1995-Current \(DOCX\)](#)
- [College Statewide Immunization Rates 1987-C](#)
- [College Statewide Exemption Rates 1992-Curr](#)

Past years data

Immunization Survey of College Students Percent Up To Date

MASSACHUSETTS 1987-2019

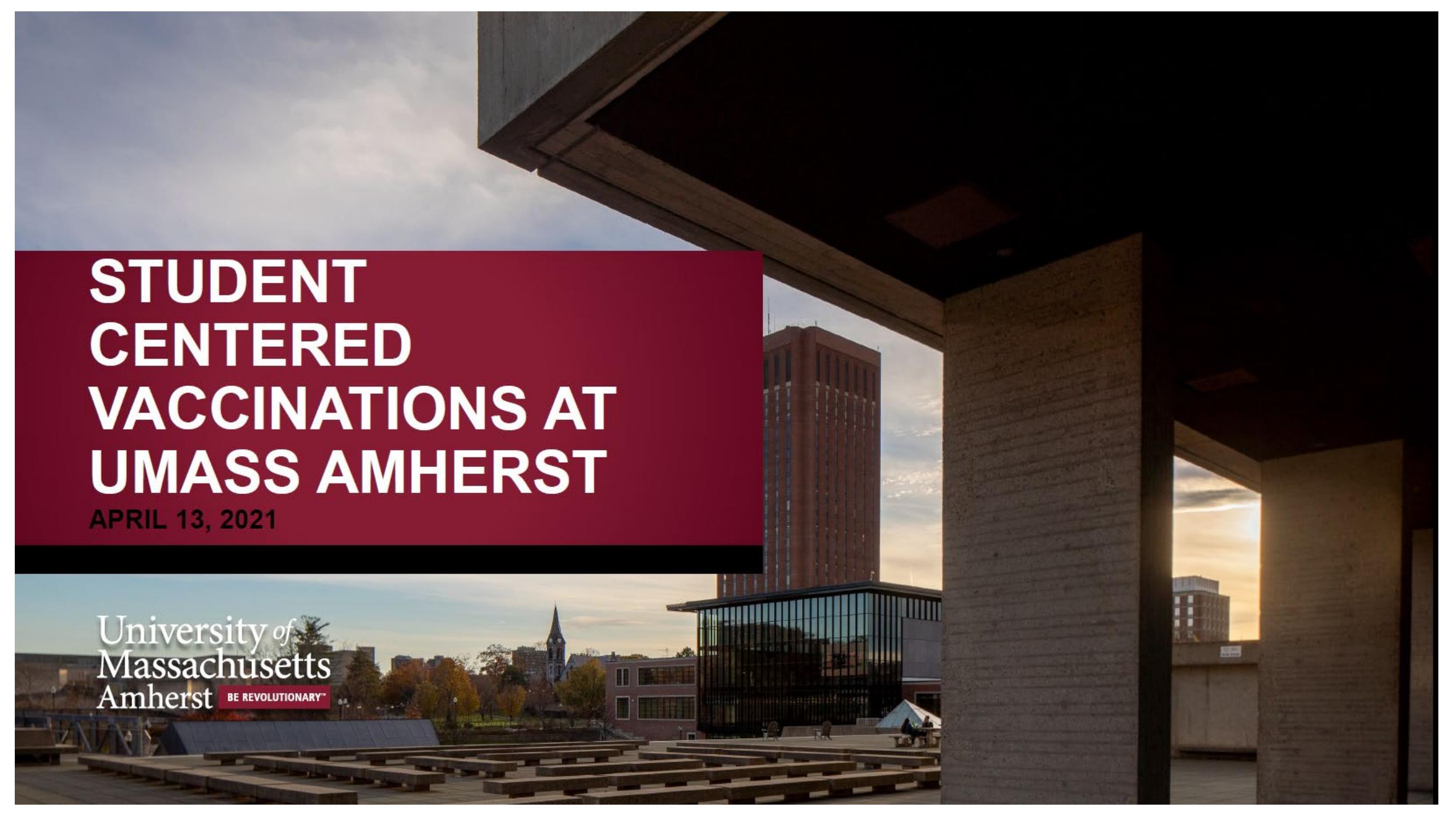
All College Students

School Year ¹	No. Students	≥1 Dose MMR ²	2 Doses MMR ³	Td/Tdap ⁴	3 Doses Hep B ⁵	Immunity to Chickenpox ⁶
2019-20	268,864	N/A	90.2	88.9	89.3	88.7
2018-19	232,306	N/A	89.2	86.3	88.7	88.6
2017-18	241,224	N/A	88.1	86.5	86.0	86.0
2016-17	263,045	N/A	91.0	90.4	90.3	89.0
2015-16	245,889	N/A	90.5	89.1	90.0	87.0

<https://www.mass.gov/info-details/school-immunizations#college-data->

Conclusions

- ▶ Immunization rates for college students are approaching 90% for most required vaccines
- ▶ Community colleges have lower immunization rates and higher proportions of missing records than non-community colleges
- ▶ Availability of immunization records are critical in the event of exposure to vaccine-preventable disease



STUDENT CENTERED VACCINATIONS AT UMASS AMHERST

APRIL 13, 2021

University of
Massachusetts
Amherst

BE REVOLUTIONARY™

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LEARNING OBJECTIVE

During this session, I hope to share with you a description of the UMass Amherst campus public health immunization practice model begun in 2005, fine-tuned each year, expanded during outbreaks and put to full use during the pandemic. This response provided valuable student practicum experiences while serving the needs of the University and surrounding community.

After this session, learners will be able to:

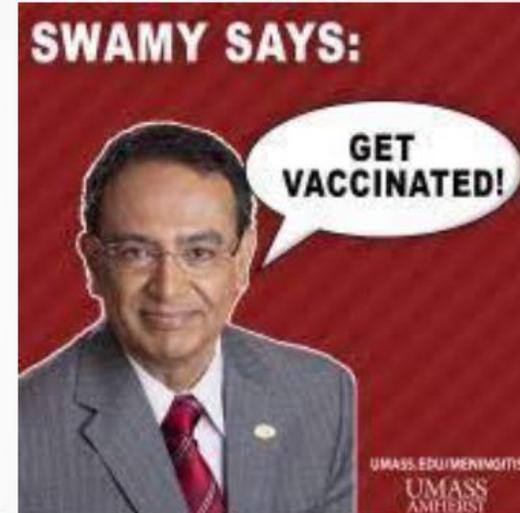
- Describe a nurse-led, student-driven public health immunization practice model.
- Reflect on our lessons learned and share information about their practice or experiences in similar settings.

VACCINATIONS ON CAMPUS 2005-PRESENT

UMass EDS Site
Campus &
Community
Outreach



Service learning



Training and
Infrastructure
Building



USE ANNUAL INFLUENZA VACCINATIONS AS OPPORTUNITIES FOR LEARNING AND ENGAGING THE CAMPUS

Community Service



Peer to Peer Model in Dorms



Campus Leaders Role Modeling

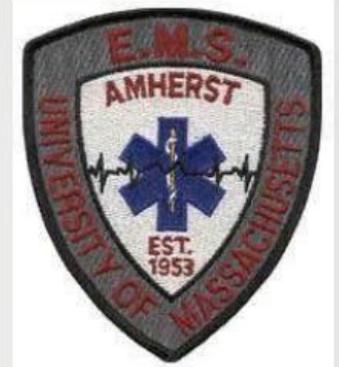


FLU VACCINATION 2020 GETTING READY FOR COVID-19



IMMUNIZATION COLLABORATIONS: IT'S A TEAM SPORT

UMassAmherst
College of Nursing



UMassAmherst
Information Technology



UMassAmherst Environmental Health & Safety

SOCIAL MEDIA OUTREACH TO STUDENTS....AND PARENTS



COVID-19 VACCINATION CLINICS: UMASS AMHERST



Preparing the next generation
of Immunization Advocates



- Designated as an open, regional vaccination site by the state
- Began with First Responders Clinics
- Students were trained and ready
- Campus Infrastructure in place
- 20,000 doses administered to date
- We will continue into the summer and fall as needed ready for whatever comes next

PUBLIC HEALTH PRACTICE MODEL

Public Health Promotion Center: Campus Academic & Professional Partnership



Routine, Travel &
Pediatric
Vaccinations

Asymptomatic
Testing Center

Regional
Vaccination
Clinic Campus
Center

Case Management &
Contact Tracing

Isolation and
Quarantine
Operations

UMassAmherst
College of Nursing

Seasonal Flu
Vaccination 2020

UMassAmherst
School of Public Health
& Health Sciences



UMassAmherst

Environmental Health & Safety

UMassAmherst
Information Technology

COVID-19
Dashboard & Data

College Health Services and Health Department Collaboration

Merrimack College
Andover Health Department

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How the collaboration came about

- Influenza vaccine and MA required vaccines for under immunized international students.
 - Case by case basis and not formalized
- 2016 MUO between Andover Health Department and Merrimack College for Merrimack to be a closed POD (point of dispensing).
 - Opportunity for collaboration

Planned immunization clinics

- On campus vaccination clinics for international students
 - Insurance (Student Health Insurance Plan, Commonwealth Medicine)
 - Supply chain
- On campus vaccinations for domestic students at move in
 - “Shots in the lot”
- Protecting Public Health – Andover/North Andover Community and Merrimack College Community

Influenza Clinics

- Health services and Health Department staff
- Nursing students and faculty