

# 10 Ways GIDEON Supports Educators

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I integrate real-world scenarios into what I teach, and the GIDEON platform helps me do that beautifully. Students do so much better this way.

**Dr. Monika Oli**

Senior Lecturer, University of Florida

## 1 Developed to help faculty engage students and save time

GIDEON was developed to elevate the faculty experience for many disciplines, including medical microbiology, virology, parasitology, medical mycology, epidemiology, allied health sciences, pre-nursing, food microbiology, and current and historic outbreak data.

## 2 Bring theory to life with interactive maps

Show how the infectious diseases landscape evolved over the years with engaging historical and current data. GIDEON's interactive disease outbreaks and distribution maps cover 32,000+ outbreaks, going back to 1348 AD. Global outbreaks map provides a wider lense.

## 3 Facilitate hands-on learning in microbiology classes

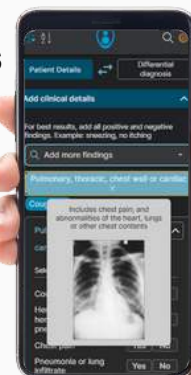
Use GIDEON to make microbiology classes interactive with unknown pathogen identification in real time with advanced dichotomous trees and pathogen characteristics comparisons.

## 4 Conduct interactive differential diagnosis simulations

GIDEON offers Bayesian analysis-based differential diagnosis (DDx) tools. Prospective physicians can benefit from a step-by-step diagnosis feature that helps to learn the process.

## 5 Offer real-world context with case studies

Train students to diagnose diseases and identify pathogens in a variety of situations using case studies and lesson plans from the real world, including commonly-misdiagnosed diseases.



**Educators at McGill University use GIDEON to provide medical students with state-of-the-art diagnostic tools, ensuring precise and informed results.**



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## **In-depth data on 3,000+ pathogens**

Access detailed phenotypic data on medically important bacteria, mycobacteria, yeasts, and algae. Inspect 150+ brand new pages viruses, complete with structure and mechanism of infection galleries.

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## **Vaccines and vaccine coverage maps**

Use data on 100 vaccines and vaccine coverage maps along with disease outbreak maps to paint a holistic picture of how vaccines and vaccine coverage impact outbreaks.



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## **Programmatic and statistical analysis**

Working with statistical models? Ingest high quality, spatially and temporally resolved data without spending time on manual entry. GIDEON maintains a REST API and dedicated wrappers for Python and R, a programming language used for data analysis.

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## **340,000+ references for literature and systematic reviews**

Utilize a wealth of quality, hand-picked citations to support literature reviews on subjects related to infectious diseases.

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## **Ideal for group projects and class discussions**

Save time with GIDEON's ready-made lesson plans on topics like foodborne illnesses, post-travel diagnoses, vaccines, epidemiology concepts, and medically-important pathogens. Each plan includes worksheets and discussion questions. Just print and distribute them in your interactive classrooms!