

RUSH Medical College

PVM 531: Introduction to Preventive Medicine (9 hours in the Fall, M1 year)

The Course Objective for PVM 531 is: “To introduce beginning medical students to the important concepts related to population-based medicine, that form the basis for both evidence-based medical practice and improving the public health.”

The Specific Aims for PVM 531 can be summarized as follows:

At the conclusion of this course, the **successful** participant should be able to:

- 1) Define risk (in the context of medicine and epidemiology) and contrast three (3) types of risk that are commonly used in this discipline.
- 2) Construct a standard 2 x 2 table that allows calculation of sensitivity and specificity (for a diagnostic test).
- 3) Name three (3) common “confounders” in medical and epidemiological studies, and two (2) ways that can be used to examine the effects of these on an independent primary outcome.
- 4) Define “screening” and name three (3) benefits and three (3) drawbacks to screening for common diseases.
- 5) Calculate a 5-year number needed to treat, given the results of a long-term comparative trial of a therapy against placebo.

PVM 532: Medical Decision-Making (15 hours in the Winter, M1 year)

PVM 505: Epidemiology and Biostatistics (17 hours in the Spring, M2 year)