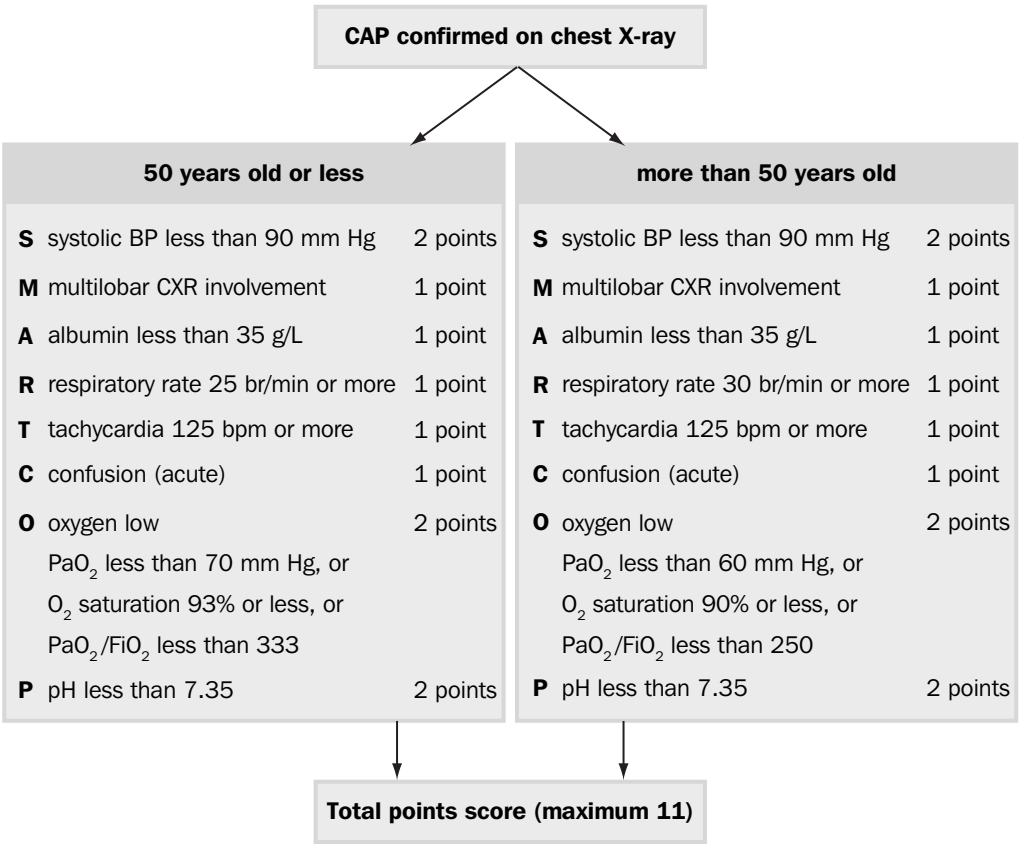
SMART-COP tool for assessing severity of community-acquired pneumonia (CAP) in adults



BP = blood pressure, CXR = chest X-ray, br = breaths, bpm = beats per minute, PaO_2 = partial pressure of oxygen, FiO_2 = fraction of oxygen in inspired air

Adapted with permission from: Charles PG, Wolfe R, Whitby M, Fine MJ, Fuller AJ, Stirling R, et al. SMART-COP: a tool for predicting the need for intensive respiratory or vasopressor support in community-acquired pneumonia. Clin Infect Dis 2008;47(3):375-84. Published by The University of Chicago Press. ©2008 by the Infectious Diseases Society of America. All rights reserved.

Interpretation of SMART-COP score

0 to 2 points—low risk of needing intensive respiratory or vasopressor support (IRVS)

3 to 4 points—moderate risk (1 in 8) of needing IRVS

5 to 6 points—high risk (1 in 3) of needing IRVS

7 or more points—very high risk (2 in 3) of needing IRVS

Severe CAP = a SMART-COP score of 5 or more points.

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