

# MEDCALC 3000

## Decision support tools in STAT!Ref Online

MedCalc 3000 is an evidence-based decision support tool that is part of STAT!Ref Online

The screenshot displays two windows from the MedCalc 3000 application. The top window is titled "Residual Volume to Total Lung Capacity Ratio" and contains a calculator interface. The calculator has a numeric keypad, function keys, and a display area. The display shows the equation:  $Total\_Lung\_Cap = Insp\_Reserve\_Vol + Tidal\_Vol + Exp\_Reserve\_Vol + Residual\_Vol$  and the formula:  $RV\_TLC\_Ratio = 100 * Residual\_Vol / Total\_Lung\_Cap$ . Below the calculator is a "Results" section with input fields for "Exp\_Reserve\_Vol", "Residual\_Vol", "Insp\_Reserve\_Vol", "Tidal\_Vol", and "Closing\_Vol", and output fields for "Total\_Lung\_Cap" and "RV\_TLC\_Ratio". The bottom window is titled "Oxygen Delivery Units Conversions" and features a "FROM:" field, a "TO:" field, and a "Pull-Down" menu with options: "%O2", "FI02", and "litresO2(nc)".

- Clinical Criteria
- Decision Trees
- Equations for 24 Specialties
- Medical Equations
- MultiCalc Equations
- Unit and Dose Converters

New equations and calculations added throughout the year.

Every STAT!Ref Online subscription includes MedCalc 3000 FREE.

### A sampling of the MedCalc 3000 calculation tools available in each subscription:

- A-a Gradient
- Apgar Score
- Asthma Hospitalization One Year Risk TreeCalc
- Atrial Fibrillation Five Year Risk of Stroke
- Basic Unit Conversions
- Body Surface Area (Du Bois method)
- Cardiac Risk Index in Noncardiac Surgery (Goldman et al)
- Chi Square Analysis
- Creatinine Clearance
- Diabetes Screening Tree Calc
- False Positive Ratio from Specificity and Prevalence
- Gail Model for 5-Year Risk of Breast Cancer
- Ideal Body Weight
- Kt/V Dialysis Dose Kerr Formula
- Left Bundle Branch Block in Vector and Scalar
- Electrocardiography
- Low Density Lipoprotein
- Lung Volume Multi-calc
- M. I. Prediction Decision Tree-Calc
- Migraine with Aura Diagnostic Criteria
- Mini-Mental Status Examination
- Osmolar Clearance
- Pittsburgh Knee Rule for X-Ray Evaluation of Knee Injury
- TreeCalc
- Pneumothorax Degree of Collapse
- Rabies Post Exposure Prophylaxis (PEP) TreeCalc
- Rheumatoid Arthritis Criteria
- SARS CDC Case Definition TreeCalc
- Smallpox Risk Assessment TreeCalc
- Sodium Correction in Hyperglycemia

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