

Every STAT!Ref subscription includes EBMcalc



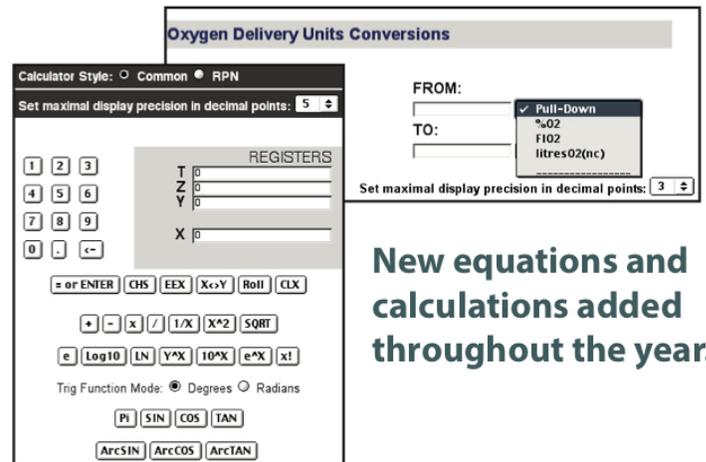
# EBMcalc

Solutions for Evidence-Based Medicine

## A sampling of the calculation tools:

- 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
- 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

EBMcalc is an evidence-based decision support tool that is part of STAT!Ref.



New equations and calculations added throughout the year.

- Clinical Criteria
- Decision Trees
- Math Calculator
- Medical Equations
- MultiCalc Equations
- Unit and Dose Converters

**Residual Volume to Total Lung Capacity Ratio**

$$\text{Total\_Lung\_Cap} = \text{Insp\_Reserve\_Vol} + \text{Tidal\_Vol} + \text{Exp\_Reserve\_Vol} + \text{Residual\_Vol}$$

$$\text{RV\_TLC\_Ratio} = 100 * \text{Residual\_Vol} / \text{Total\_Lung\_Cap}$$

**Input:**

Exp\_Reserve\_Vol

Residual\_Vol

Insp\_Reserve\_Vol

Tidal\_Vol

Closing\_Vol

**Results:**

Total\_Lung\_Cap

RV\_TLC\_Ratio

Decimal Precision:



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