On behalf of Josh Adler, MD, Chief Medical Officer

Dear All Ordering Inpatient Providers,

Beginning October 1st Apex changes will make it easier to order recommended blood transfusions and to transition from nebulizers to metered-dose inhalers + patient education.

This applies to inpatient orders at Parnassus/Mt Zion only.

These changes have been extensively vetted by Transfusion Medicine, Respiratory Care Services, and front-line providers across UCSF. Both of these initiatives are part of the Caring Wisely program at UCSF, which seeks to provide high quality care at lower costs for our patients, the medical center, and society.

What you will see:

When ordering a blood transfusion, the order automatically populates treatment order based on the last recorded hemoglobin level (within 48 hours) and transfusion thresholds recommended by UCSF Transfusion Medicine Guidelines:

![Screenshot of Transfusion Orders: Routine or STAT]

In this example, if you determine that blood transfusion is still appropriate, you order the transfusion by clicking the “Crossmatch and Transfuse despite Hgb>7.0:”
For Nebulizers to MDIs orders:

When in orders, you will see a new option for “Albuterol Nebs and Convert to MDI at 24 hours,” which will include an order for q4h Albuterol nebs x 24 hours bundled with RT patient education:

There is also an “Albuterol & Ipratropium Nebs Convert to COMBivent at 24 Hours” option, which is similar.
Note that providers may still opt for the albuterol or ipratropium nebs orders that are not linked to an MDI transition, which are still available in Apex.

If you have concerns or feedback about these order changes, you may contact Chris Moriates (CMoriates@medicine.ucsf.edu), Director of Caring Wisely.