

# MEG Demo (Staff App) - MEG Demo - MEG Staff app: Empiric Treatment of Infective Exacerbation of COPD/Bronchitis

## Empiric Treatment of Infective Exacerbation of COPD/Bronchitis

Check history of infection/ colonisation with Multi Drug Resistant Organism (MDRO)

Infection	Common Pathogens	Treatment	If Penicillin Hypersensitive
Exacerbation of COPD/Bronchitis	<i>S. pneumoniae</i> <i>H. influenzae</i>	<b>Mild:</b> Generally no antimicrobials required  <b>Moderate-Severe:</b> Co-amoxiclav 625mg TDS PO/ 1.2g TDS IV +/- ADD Clarithromycin 500mg BD PO/ IV <b>Duration:</b> 7 days <b>Moderate-Severe exacerbation, previous colonisation with P. aeruginosa :</b> Treat as HOP/HCAP - see HOP/HCAP guideline	<b>Mild:</b> Generally no antimicrobials required <b>Moderate-Severe:</b> Doxycycline 100mg BD PO <b>Moderate-Severe exacerbation, previous colonisation with P. aeruginosa :</b> Treat as HOP/HCAP - see HOP/HCAP guideline

### References:

- BTS Guidelines for the Management of Community Acquired Pneumonia in Adults Update 2009
- Antimicrobial Stewardship Committee Empiric Treatment of CA-LRTI Algorithm - September 2017
- NICE: Pneumonia in adults: diagnosis and management Clinical Guideline Published 3.12.14 Available at: nice.org.uk/guidance/cg191
- Up-to-date. Management of exacerbations of chronic obstructive pulmonary disease. Accessed 05.01.18  
[https://www.uptodate.com/contents/management-of-exacerbations-of-chronic-obstructive-pulmonary-disease?search=exacerbation of copd&source=search\\_result&selectedTitle=1~150&usage\\_type=default&display\\_rank=1](https://www.uptodate.com/contents/management-of-exacerbations-of-chronic-obstructive-pulmonary-disease?search=exacerbation%20of%20copd&source=search_result&selectedTitle=1~150&usage_type=default&display_rank=1)
- NICE: Chronic Obstructive Pulmonary Disease. Care Pathway - July 2017.  
<https://pathways.nice.org.uk/pathways/chronic-obstructive-pulmonary-disease>