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| **Common cold/URTI** | **Pneumonia** |
| Virus. Antibiotics useless.  Normal children have 6-7 common colds a year and an adult 2-3.  **Symptoms:** Cough Running nose Fever Soar throat Not so sick 3-5 days but can last longer  **Treatment:** Symptomatic (paracetamol, nasal drops, cough syrup) | Bacteria. Antibiotic is needed.  **Symtoms:**  Cough  Increased respiratory rate  Respiratory distress  High fever  More sick-looking  Chest wall indrawings and nasal flaring on small children  Crepitations often heard when examining the lungs  **Treatment:** Antibiotics and symptomatic treatment |

**Why restrict the use of antibiotics?** - Reduce the increasing antimicrobial resistance.

- Every time a person takes antibiotics it disturbs the normal bacterial flora of the intestines and it takes some months up to half a year to restore the normal flora. Disturbed flora increases the risk of antibiotica associated diarrhea and clostridium-GE.

- Side effects common (nausea, diarrhea, dizziness, yeast infections like oral and vaginal candidosis).

- Risk of allergic reactions (mostly on CTX och penicillins).

- Cost money.

**When antibiotics is needed (bacterial infections):**  
 - Give as small spectrum as possible.

- Give the correct dose and duration (inform patients to continue the whole duration and only use it for the person it was prescribed).

**To learn more: ReAct (**[**www.reactgroup.org**](http://www.reactgroup.org)**)**

*/Åsa Lundgren, November 2022, Rotary Doctors Sweden (asa.lundgren@gmail.com)*