1. Machine learning techniques can facilitate the identification and validation of asthma cases in unstructured electronic medical health records. (this thesis)

2. A quarter of all children with an asthma exacerbation will experience a next exacerbation within 1 year. (this thesis)

3. Adherence to inhalation therapy is driven by treatment need or intensity of medical follow up. (this thesis)

4. Of all asthma patients who experienced a severe asthma exacerbation, 0.1-0.3% died in the 1st week following that exacerbation and 1.1-4.8% in the 1st year. (this thesis)

5. Switching between generic and brand inhalation medication seems to carry an increased risk of asthma exacerbations. (this thesis)

6. Inclusion criteria of randomized controlled trials of respiratory drugs in asthma exclude approximately 95% of asthma patients due to their inclusion criteria and the results are hence not per se applicable to daily life practice. (Price, Breathe, 2015)

7. Electronic health records are essential to improving patient safety. (Blumenthal, NEJM, 2007)

8. Every active drug is a poison, when taken in large enough doses. (Garrod, 1858-1936)

9. Freedom is the oxygen without which science cannot breathe. (Sarnoff, 1891-1971)

10. The use of massive datasets provides a wealth of information, but also tons of frustration.

11. Faith is taking the first step even when you can't see the whole staircase. (Martin Luther King, Jr. 1929-1968)

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