The link between Non-Communicable-Diseases (NCDs) & INFLUENZA

**INFLUENZA INCREASES THE RISK OF COMPLICATIONS FROM THE FOLLOWING NCDs**

<table>
<thead>
<tr>
<th>NCDs at Risk of Complications with Influenza</th>
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</thead>
<tbody>
<tr>
<td>- Diabetes</td>
</tr>
<tr>
<td>- Heart Diseases</td>
</tr>
<tr>
<td>- Stroke</td>
</tr>
<tr>
<td>- Lung Diseases</td>
</tr>
</tbody>
</table>

**Risks Posed by Influenza**

- Hospitalization
- Exacerbation
- Death

**N°1 at Risk Group for Influenza Mortality**

**INFLUENZA IMMUNIZATION BENEFITS**

- Prevent infection
- Protect against NCDs (e.g., heart attack, stroke)
- Protect against complications from existing NCDs

**INFLUENZA VACCINATION HELPS REDUCE COMPLICATIONS FROM CHRONIC DISEASES**

- 28% decrease in deaths
- 79% decrease in hospital admission
- 50% decrease in heart attack occurrence
- 24% decrease in occurrence

**WORLD HEALTH ORGANIZATION CONSIDERS INFLUENZA VACCINATION THE MOST EFFECTIVE WAY TO PREVENT INFECTION**

**Global burden of disease per year**

- Up to 5 million cases of severe illness
- Up to 500,000 deaths each year

**INFLUENZA ACCOUNTS FOR**

- 12% of all deaths
- 48% of all deaths

**These 4 diseases are the leading cause of NCD mortality worldwide**

- Diabetes: 1.3 million
- Lung Diseases: 4.2 million
- Stroke: 6 million
- Heart Diseases: 17 million

**PREVALENCE**

- 5-10% adults infected each year
- 20-30% children infected each year

**INFLUENZA VACCINATION HELPS REDUCE COMPLICATIONS FROM EXISTING NCDs**

- Diabetes
- Heart Diseases
- Stroke
- Lung Diseases

**The link between NCDs & Influenza**

- Influenza increases the risk of complications from the following NCDs:
  - Diabetes
  - Heart Diseases
  - Stroke
  - Lung Diseases

**Global burden of disease per year**

- Up to 5 million cases of severe illness
- Up to 500,000 deaths each year

**RISKS POSED BY INFLUENZA**

- Hospitalization
- Exacerbation
- Death

**N°1 killer in the world**

- NCDs account for 63% of all deaths

**36 million DEATHS**

**21% CANCER**

**16% OTHERS**

**12% STROKE**

**5% LUNG DISEASES**

**1% HEART DISEASES**

**These 4 diseases are the leading cause of NCD mortality worldwide**

- Diabetes: 1.3 million
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**INFLUENZA VACCINATION HELPS REDUCE COMPLICATIONS FROM CHRONIC DISEASES**

- Diabetes
- Heart Diseases
- Stroke
- Lung Diseases

**The World Health Organization considers Influenza vaccination the most effective way to prevent infection.**

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**References**

11. Siriwardena N, Asghar Z, Coupland CCA. Influenza and pneumococcal vaccination and risk of stroke or transient ischaemic attack—Matched case control study. Vaccine, 2014; DOI: HYPERLINK http://dx.doi.org/10.1016/j.vaccine.2014.01.029" _blank”10.1016/j.vaccine.2014.01.029

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**Author's Note:** The information provided in this text is intended for educational purposes and should not be considered a replacement for professional medical advice. Readers are encouraged to consult with healthcare providers for personalized medical advice.