The importance of sex and age structure with respect to Covid19 in Asia and the Pacific.
Men and elderly most at risk for severe outcomes

Ref: Dowd et al. (2020) “Demographic science aids in understanding the spread and fatality rates of COVID-19” PNAS May 5, 2020 117 (18) www.pnas.org/content/117/18/9696
Men and elderly most at risk for severe outcomes
This affects overall fatality rates

Note that in observed situations (eg Italy 11.8% to 2 April 2020), raw case fatality rates are more than double those shown here, suggesting younger cases are either not diagnosed or not occurring.

Source: Italian case fatality rates to 2 April 2020 from Istituto Superiore di Sanità, Roma, combined with UN World Population Prospects 2019

Yes, lots of additional and confounding factors, for e.g.

<table>
<thead>
<tr>
<th>Confounding (correlated with age &amp; sex)</th>
<th>Additional</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Diabetes</td>
<td>• Household structure</td>
</tr>
<tr>
<td>• Obesity</td>
<td>• Intergenerational relationships</td>
</tr>
<tr>
<td>• Hypertension</td>
<td>• Housing density</td>
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<tr>
<td>• Cardiovascular disease</td>
<td>• Sanitation</td>
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<tr>
<td>• Respiratory disease</td>
<td>• Healthcare system</td>
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<tr>
<td>• Cancer</td>
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</tbody>
</table>
Age and sex also important for response

For example:
• School closures
• Continuing primary care
• Vulnerable children
• Gender based violence
• Ensuring children and women not ‘left behind’
Percent of population aged 60+ in Asia-Pacific countries
Significant subnational variation, e.g. India

Pathanamthitta municipality, Kerala
Men aged 60+: 8.8%
Women aged 60+: 11.2%
Total aged 60+: 20.0%

New Delhi municipality
Men aged 60+: 2.8%
Women aged 60+: 3.0%
Total aged 60+: 5.8%

Jaintia Hills Administrative District, Meghalaya
Men aged 60+: 1.9%
Women aged 60+: 2.7%
Total aged 60+: 4.6%
Significant subnational variation, e.g. Viet Nam

Ha Tinh province
Men aged 60+: 7.5%
Women aged 60+: 10.1%
Total aged 60+: 17.5%

Ha Noi province
Men aged 60+: 6.1%
Women aged 60+: 8.2%
Total aged 60+: 14.3%

Dak Nong province
Men aged 60+: 2.8%
Women aged 60+: 3.7%
Total aged 60+: 6.5%
Fundamental Principles of Official Statistics

Indispensable, practical data, made available to all

Data drawn from a variety of sources

Emphasis on quality, timeliness, cost and burden

Coordination to achieve consistency and efficiency in statistical system

Ensure correct interpretation for own country’s circumstances

No collection of individual data

Using international concepts, classifications and methods to promote consistency and efficiency

Cooperating bilaterally and multilaterally and contributing to the improvement of systems of official statistics in all countries

United Nations ESCAP (Economic and Social Commission for Asia and the Pacific)
Further information:
https://www.unescap.org/our-work/statistics

Contact us:
stat.unescap@un.org