Formulas

Old-age Dependency Ratio (OADR)

$$OADR = \frac{N_{65+}}{N_{15-64}} \cdot 100$$

Young-age Dependency Ratio (YADR)

$$YADR = \frac{N_{0-14}}{N_{15-64}} \cdot 100$$

Total Dependency Ratio (TADR)

$$TADR = OADR + YADR$$

Very-old-age Dependency Ratio

$$WSS = \frac{N_{85+}}{N} \cdot 100$$

Potential Support Ratio for Older Parents

$$WWR = \frac{N_{50-64}}{N_{85+}} \cdot 100$$

Labor Resource Rotation Ratio

$$WRP = \frac{N_{15-44}}{N_{50-64}} \cdot 100$$

Rosset's Old-age Ratio

$$AS_R = \frac{N_{61+}}{N} \cdot 100$$

Rosset's Interpretation:

Value	Interpretation
Below 8	Young population
8-10	Transition phase between young and old population
10-12	Pre-old population
Over 12	Old population

Old-age Stages:

Value	Interpretation
12–14	Initial stage of old population
14–16	Middle stage of old population
16–18	Advanced old population
Over 18	Highly advanced old population

UN Old-age Ratio

$$AS_O = \frac{N_{66+}}{N} \cdot 100$$

Value	Interpretation
Below 4	Young population
4-7	Mature popoulation
Over 7	Old popoulation