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(**Death**)

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(Fetal Death)

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:(Stillbirth)



:(Miscarriage)



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:(Abortion)



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: Vital Registration

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:Crude Death Rate (

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$$d = \frac{D}{P} \times 1000$$

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D
P

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$$\times = \times =$$

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$$d = \frac{1}{3} \left(\frac{D_1}{P_1} \times 1000 + \frac{D_2}{P_2} \times 1000 + \frac{D_3}{P_3} \times 1000 \right)$$

$$= \frac{1}{3} d_1 + d_2 + d_3$$

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$$d = \frac{\frac{1}{3}(D_1 + D_2 + D_3)}{\frac{1}{3}(P_1 + P_2 + P_3)} \times 1000$$

$$= \frac{D_1 + D_2 + D_3}{P_1 + P_2 + P_3} \times 1000$$



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$$d = \frac{\sqrt[3]{(D_1 + D_2 + D_3)}}{P_2} \times 1000$$

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$$\frac{Dr}{Pr} \times 1000$$

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$$\frac{Dm}{Pm} \times 1000$$

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$$\frac{D \div Cd}{P \div Cp} \times 1000$$

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Cd
Cp

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 \cdot \quad \cdot = \quad \times \frac{29430}{2000} = \quad \diamond \quad : \text{---} \\
 \cdot \quad \cdot = \quad \times \frac{84620}{6400} = \quad \diamond
 \end{array}$$

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$$\cdot = \times \frac{29430}{2000} =$$

$$\cdot = \times \frac{40880}{2000} =$$

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$$\cdot = \times \frac{59300}{6400} =$$

$$\cdot = \times \frac{84620}{6400} =$$



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$$\begin{aligned} \cdot \cdot &= \times \frac{44365}{4200} = \\ \cdot \cdot &= \times \frac{62750}{4200} = \end{aligned}$$



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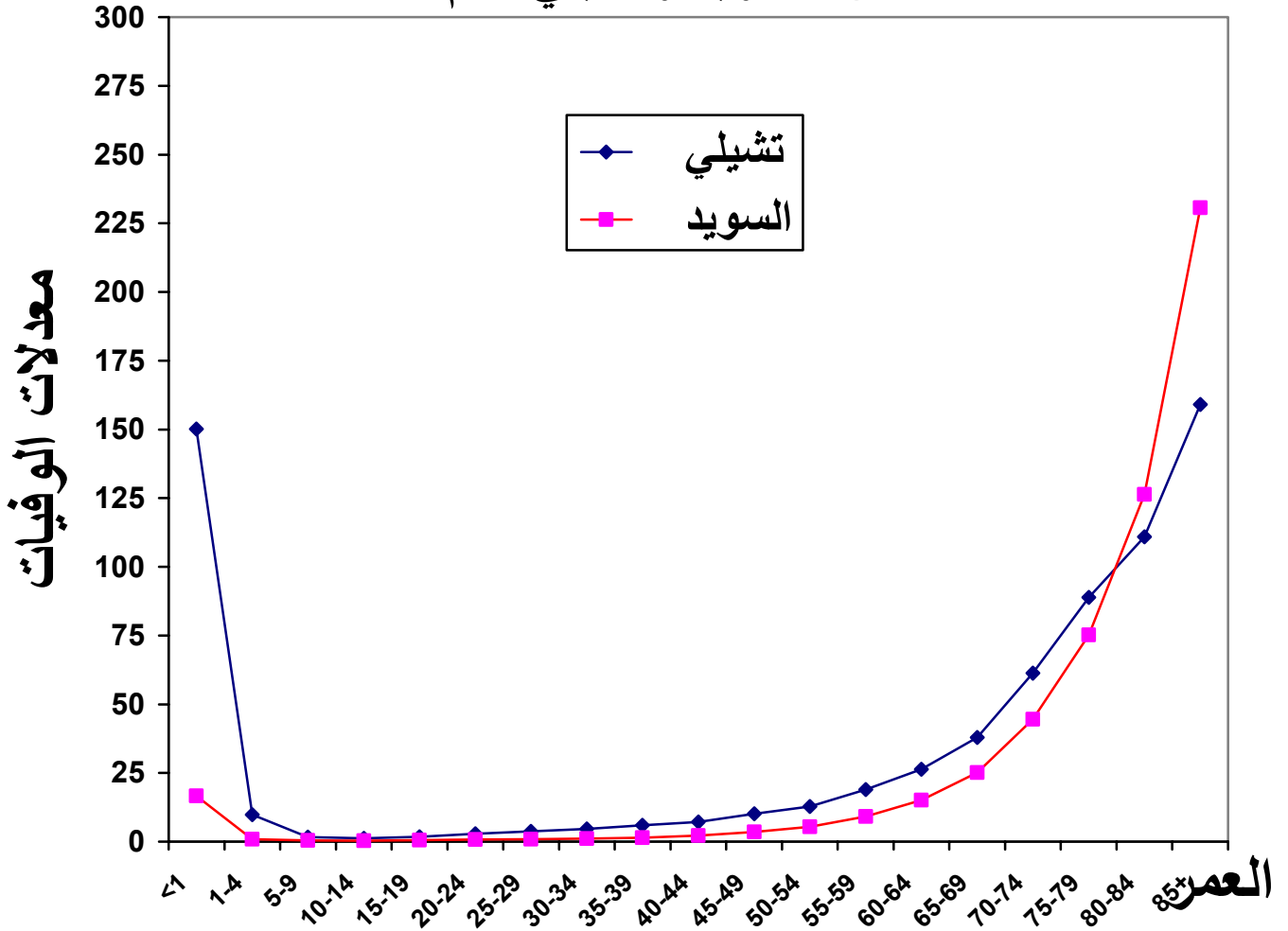
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Shryock and others : The methods and materials of demography, Bureau of /
Census USA. Vol.2 , 1980, P401.

شكل (١) معدلات الوفيات التفصيلية حسب العمر لكل من السويد وتشيلي عام ١٩٦٠



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$$/ = \times \frac{55110}{33329000} =$$

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:Infant Mortality Rate

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$$mo = \frac{D_o}{B} \times 1000$$

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.UN(2000), World population prospects, the 1998 Revision, Vol.III,P.72 :

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.UN. 1984.The world Population Situation in 1983.ST/ESA/SER. A/85 :

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:Neonatal Mortality Rate

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$$= \frac{D_{0-3weeks}}{B} \times 1000$$

$$= \frac{D_{1month}}{B} \times 1000$$

x x

:Post-neonatal mortality rate



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$$= \frac{D_{4-51} \text{ weeks}}{B} \times 1000$$

$$= \frac{D_{1-11} \text{ months}}{B} \times 1000$$

$$= \frac{D_{28-364} \text{ days}}{B} \times 1000$$

$\frac{1}{3}$

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$$. = \times \frac{7333}{344989} =$$

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$$\times \frac{7333 - 18246}{344989} =$$

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$$\times \frac{18246}{344989} =$$

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:adjusted infant mortality rate

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$$\begin{aligned}
 &= \frac{D'y}{D'y + D''y} + \frac{D''y}{D'y + D''y} \\
 &= \frac{D'y + D''y}{D'y + D''y} = 1
 \end{aligned}$$

$$F = \frac{D'y}{D'y + D''y}$$

$$(f) + (f-1) =$$



$$(\quad (f) \quad + (f-1) \quad) =$$

$$\times \quad (\cdot) \quad + (\cdot -) \quad = \quad \cdot = f$$

$$\times \quad \cdot + \quad \cdot =$$

⋮

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$\frac{12997}{3903}$	$\frac{12183}{3847}$	$\frac{13812}{4434}$	X	
$47.9 = \frac{3953 + 12997}{353546}$	$47 = \frac{3847 + 12183}{341329}$	$52.9 = \frac{4434 + 13812}{344989}$	X	
	$47.3 = \frac{3953 + 12183}{341324}$	$51.2 = \frac{3847 + 13812}{344989}$	X	
$48.3 = \frac{3953}{341324} + \frac{12997}{353546}$	$46.8 = \frac{3847}{344989} + \frac{12183}{341324}$	$53.1 = \frac{4434}{338199} + \frac{13812}{344989}$	X	
.	.	.	X	

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$$\begin{aligned}
 & \times \frac{y+1}{y+1} + \frac{y}{y+1} + \frac{y-1}{y+1} = \\
 & \frac{D_o^{y-1} + D_o^y + D_o^{y+1}}{B_{y-1} + B_y + B_{y+1}} \times 1000
 \end{aligned}$$

$$1000 \times \frac{16950 + 16030 + 18246}{353546 + 341324 + 344989}$$



$$1000 \times \frac{51226}{1039858} = 49.3 =$$

:Measures of pregnancy Wastage

$$\frac{A + B}{C + D} \times 1000$$

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: Fetal death ratio

$$\frac{Df}{B} \times 1000$$

Df

:Fetal death rate



$$\frac{Df}{B + Df} \times 1000$$

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$\frac{Df}{B + Df}$	$\frac{Df}{B}$	
9.9	10.0	
29.9	30.8	
12.5	12.7	
25.8	26.5	
16.9	17.2	

Shryock and others, op.cit, p.425 :

: Prenatal Mortality

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: Prenatal Mortality ratio

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: Prenatal mortality ratio

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:Maternal mortality rate

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