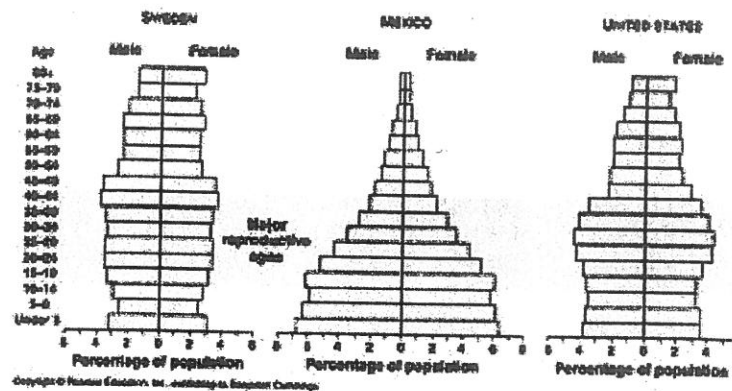


## Age Structure Diagrams aka Population Pyramids

An age structure diagram is a **graphical illustration that shows the distribution of various age groups in a population**. Look at the examples below- it is basically a bar graph turned on its side!



The variable on the x-axis is the **percentage of population** divided by **males on the left and females on the right**. The variable on the y-axis is **age groups** broken up by **5 year increments**.

There are three basic shapes of age-structure diagrams which are illustrated above:

	Sweden	Mexico	United States
Shape:	Inverted Pyramid	Pyramid	Rectangle
Explanation:	Smaller % of population at young ages (below their reproductive years); Majority of population past their reproductive years	Large % of population at young ages (below their reproductive years); Smaller % of population past their reproductive years	Equal distribution of population at all age groups
Prediction for the Future Population:	Shrinking population	Growing population	Stable Population

## Handout 2. Age-Sex Data Table

### Country A

Total, all ages: 6,420,792

Age	Male	Female
0-4	479,894	467,478
5-9	447,341	437,567
10-14	415,611	400,317
15-19	329,406	334,628
20-24	265,662	284,240
25-29	225,825	243,839
30-34	204,809	214,360
35-39	174,658	190,368
40-44	146,673	150,499
45-49	120,992	126,802
50-54	89,215	95,153
55-59	65,859	72,634
60-64	68,737	74,436
65-69	44,598	50,665
70-74	32,537	38,296
75-79	20,864	24,097
80-84	13,507	17,476
85-89	6,169	7,845
90-94	3,014	3,765
95+	4,286	5,814

Calculate percent  
of total population  
before you  
create  
the age structure  
diagram!

### Country B

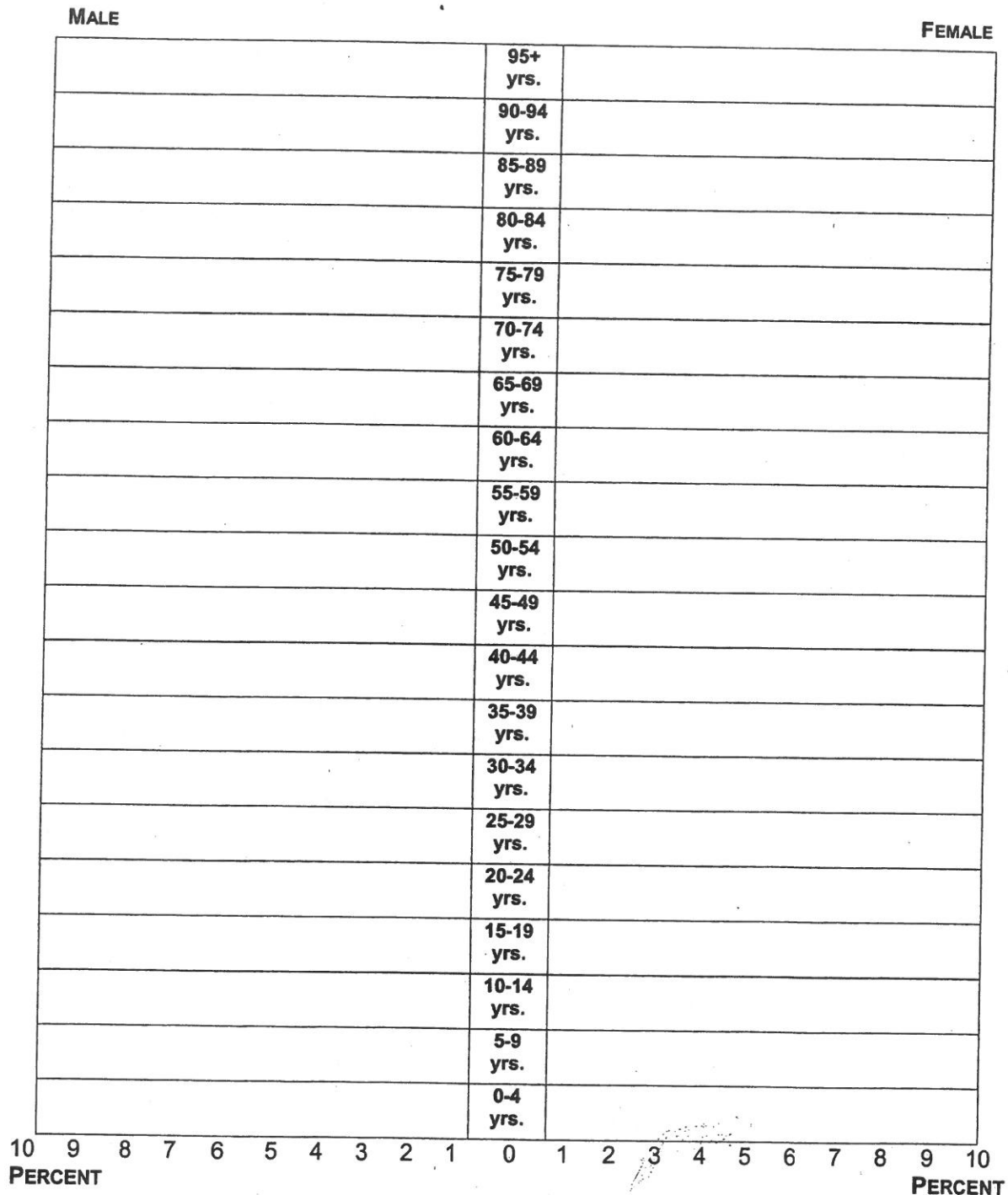
Total, all ages: 281,421,906

Age	Male	Female
0-4	9,810,733	9,365,065
5-9	10,523,277	10,026,228
10-14	10,520,197	10,007,875
15-19	10,391,004	9,828,886
20-24	9,687,814	9,276,187
25-29	9,798,760	9,582,576
30-34	10,321,769	10,188,619
35-39	11,318,696	11,387,968
40-44	11,129,102	11,312,761
45-49	9,889,506	10,202,898
50-54	8,607,724	8,977,824
55-59	6,508,729	6,960,508
60-64	5,136,627	5,668,820
65-69	4,400,362	5,133,183
70-74	3,902,912	4,954,529
75-79	3,044,456	4,371,357
80-84	1,834,897	3,110,470
85-89	876,501	1,913,317
90+	350,497	1,099,272

Source: U.S. Bureau of the Census, International Data Base

## Handout 1. Age-Sex Graph

Location: \_\_\_\_\_ Year: \_\_\_\_\_



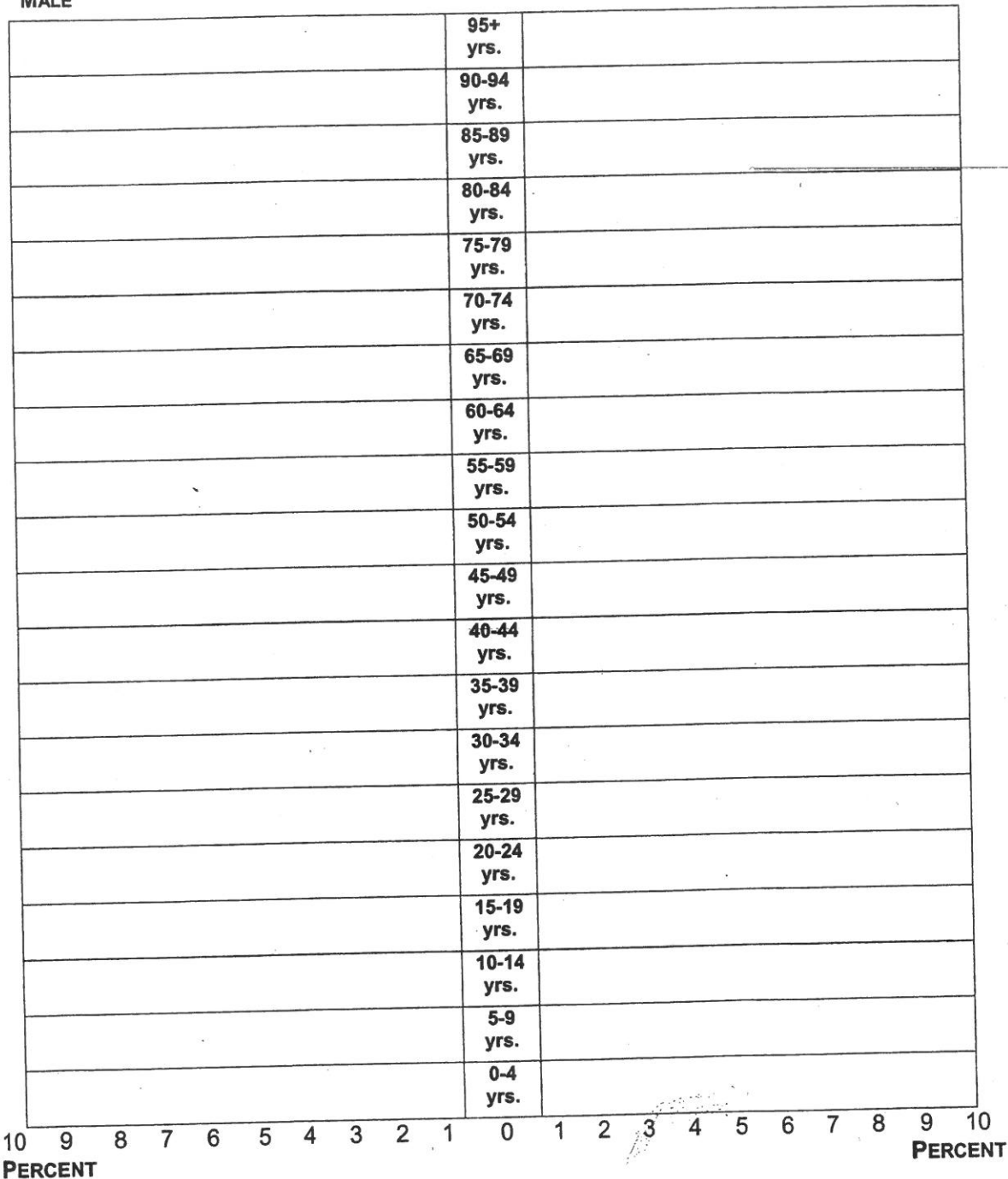
SOURCE:

## Handout 1. Age-Sex Graph

Location: \_\_\_\_\_ Year: \_\_\_\_\_

MALE

FEMALE



SOURCE: