



COLLEGE OF NURSING  
UNIVERSITY OF THE PHILIPPINES  
MANILA



**NURSING 119**

**Demography Worksheet 2**

Measuring Changes in Population Composition and Population Distribution

Calubcub II is one of the 42 barangays of San Juan, Batangas. It has a total population of 2,741 as of May, 2007. It has a Crude Birth Rate of 23 per 1000 population and a Crude Death Rate of 6 per 1000 population. The following table shows the age-sex distribution in Calubcub II.

Table 1. Age-Sex Distribution, Brgy. Calubcub II, San Juan, Batangas: 2007

AGE	MALE	FEMALE	TOTAL
0-4	188	191	379
5-9	227	164	391
10-14	145	150	295
15-19	119	121	240
20-24	107	102	209
25-29	114	109	223
30-34	106	86	192
35-39	87	66	153
40-44	73	82	155
45-49	66	53	119
50-54	56	44	100
55-59	34	56	90
60-64	32	37	69
>65	56	70	126
<b>TOTAL</b>	<b>1410</b>	<b>1331</b>	<b>2741</b>

1. Determine Barangay. Calubcub II's Natural Increase and Rate of Natural Increase in 2007
2. Based on Table 1, show the barangay's age-sex distribution in a population pyramid. What generalizations can you derive from the pyramid?
3. Compute and interpret for the dependency ratio of Barangay. Calubcub.
4. Describe and interpret the barangay's sex ratio.
5. If Brgy. Calubcub II has a total land area of 37 square kilometers, what is its population density?