

Name: _____ .

Preview: Chapter 2: Survival Models

§2.2: The future lifetime random variable

1. Define, describe, or give a formula for each of the following.

(a) (x)

(b) T_x

(c) $F_x(t)$

(d) lifetime distribution function

(e) $S_x(t)$

(f) survival function

2. State equation 2.1 and explain what it means.

3. State equation 2.4 and explain its significance..

4. State the three conditions a lifetime distribution must satisfy.

(a)

(b)

(c)

5. State the three additional assumptions we will make about lifetime distributions for this course.

(a)

(b)

(c)