

TABLE 097-4
Version 1.0 October 28, 2005

Life-Table Report
 Variables by Age Class
 Population Name

Restricted to:
 Dates: DD/MM/YY to DD/MM/YY
 Geographic Area: North American AZA members
 Other filters: Hand reared
 User selection options:

Q'x = All mortality, imports and exports
 All reproduction (natural and artificial)
 Births treated as 50% male, 50% female
 Unknown sexes tallied in "Other" life table
 Age of most likely parent used when multiple parents present (4)

User can click on Age Class to change them

Show all parameters set by user here or at bottom

Only need to show this column when DistributeMx applies

When Qx includes anything but deaths, show Qx, Px, Lx, Ex Vx as Q'x, Px, L'x, E'x and Vx

Males

Sufficient to show all these to 3 decimal places

Click here to see graphs

Age Class (Weeks)	Risk Qx	RiskM x	Qx	MDx	EXPO RTx	LTFx	INx	Q'x	P'x	L'x	E'x	Mx	M'x	V'x
0-<1	201	0	0.537	0.000	0.000	0.000	0.000	0.537	0.400	4.000	4.413	0.000	0.000	1.000
1-<3	93	0	0.290	0.000	0.000						7.377	0.000	0.000	2.163
3-<5	66	0	0.106	0.015	0.000						8.985	0.000	0.000	3.051
5-<7	70	2	0.114	0.000	0.000						9.087	0.500	1.120	3.475
>7	80	14	0.025	0.000	0.010						8.985	0.179	0.223	2.619

If not enough room on screen, allow user to select which variables to show. Default ones shown should be both Risks, Qx, Px, Lx and Ex

Note: Rates based on small sample sizes (Risk < 30) should be used with caution.

Females

Repeat table for Females and Others [Display "others" table only if user selected MethodUnknownSex as separate life table.]

Definitions:

- RiskQx: number of animals at alive on that age
- RiskMx: number of animals having reproductive opportunities that age
- Qx = proportion of animals that died due to non-management deaths on that age
- MQx = proportion of animals that were euthanized that age
- EXPORTx = proportion of animals that age that were exported from the geographic area for this analysis

LTF_x = proportion of animals that age that were lost track of

IN_x = proportion of animals that age that were imported into the geographic area for this analysis

Conditional definitions depending on user selection:

If TrackEvents includes only mortality event types: then Q'_x should not be shown, and P_x, L_x, E_x, V_x labeled as follows:

- P_x = proportion of animals that age that survive until the next age shown
- L_x = proportion of animals that survive from birth to this age
- E_x = average number of days of future life for animal of age x
- V_x = average number of future offspring expected for animal of age x while it remains in the population

If TrackEvents includes non-mortality event types (imports, exports, LTF), then the Q_x, P_x, L_x, E_x and V_x should be labeled with the apostrophes (Q'_x, P'_x, L'_x, E'_x and V'_x) and defined as follows:

DO THESE DEFINITIONS MAKE SENSE?

- Q'_x = proportional decline in number of animals that has been observed at this age (negative Q'_x indicates an increase)
- P'_x = proportional increase in number of animals that has been observed at this age
- L'_x = proportion of animals reaching this age relative to number born
- E'_x = average expected number of days remaining in the population for animal of age x
- V'_x = average number of future expected offspring for animal of age x while it remains in the population