

2752.0025 APPLICATION OF THE 2012 IAR TABLE.

In using the 2012 IAR Table, the mortality rate for a person age x in year $(2012+n)$ is calculated as follows:

$$q_x^{2012+n} = q_x^{2012} (1 - G2_x)^n$$

where the q_x^{2012} and $G2_x$ are as specified in the 2012 IAM Period Table and Projection Scale G2, respectively.

The resulting q_x^{2012+n} shall be rounded to three decimal places per 1,000, e.g., 0.741 deaths per 1,000. Also, the rounding shall occur according to the method in the example below, starting at the 2012 IAM Period Table rate.

For example, for a male age 30, $q_{30}^{2012} = 0.741$.

$$q_{30}^{2013} = 0.741 * (1 - 0.010) ^ 1 = 0.73359, \text{ which is rounded to } 0.734.$$

$$q_{30}^{2014} = 0.741 * (1 - 0.010) ^ 2 = 0.7262541, \text{ which is rounded to } 0.726.$$

A method leading to incorrect rounding would be to calculate q_{30}^{2014} as $q_{30}^{2013} * (1 - 0.010)$, or $0.734 * 0.99 = 0.727$.

It is incorrect to use the already rounded q_{30}^{2013} to calculate q_{30}^{2014} .

Statutory Authority: *MS s 45.023; 61A.25*

History: *39 SR 418*

Published Electronically: *October 6, 2014*