

Dear Senators TIPPETS, Patrick, Schmidt, and
Representatives HENDERSON, Thompson, Smith:

The Legislative Services Office, Research and Legislation, has received the enclosed rules of the
Department of Insurance - Contracts:

IDAPA 18.01.46 - Rules Pertaining To New Annuity Mortality Tables - Proposed Rule (Docket
No. 18-0146-1401).

Pursuant to Section 67-454, Idaho Code, a meeting on the enclosed rules may be called by the
cochairmen or by two (2) or more members of the subcommittee giving oral or written notice to Research
and Legislation no later than fourteen (14) days after receipt of the rules' analysis from Legislative
Services. The final date to call a meeting on the enclosed rules is no later than 09/25/2014. If a meeting is
called, the subcommittee must hold the meeting within forty-two (42) days of receipt of the rules' analysis
from Legislative Services. The final date to hold a meeting on the enclosed rules is 10/24/2014.

The germane joint subcommittee may request a statement of economic impact with respect to a
proposed rule by notifying Research and Legislation. There is no time limit on requesting this statement,
and it may be requested whether or not a meeting on the proposed rule is called or after a meeting has
been held.

To notify Research and Legislation, call 334-4834, or send a written request to the address on the
memorandum attached below.



Jeff Youtz
Director

Legislative Services Office Idaho State Legislature

Serving Idaho's Citizen Legislature

MEMORANDUM

TO: Rules Review Subcommittee of the Senate Commerce & Human Resources Committee and the House Business Committee
FROM: Legislative Research Analyst - Elizabeth Bowen
DATE: September 08, 2014
SUBJECT: Department of Insurance - Contracts

IDAPA 18.01.46 - Rules Pertaining To New Annuity Mortality Tables - Proposed Rule (Docket No. 18-0146-1401)

The Department of Insurance submits notice of proposed rulemaking at IDAPA 18.01.46. The proposed rule adopts the NAIC 2012 individual annuity reserve table in order to be consistent with nationwide standards.

The rule does not have a negative impact on the state general fund. Negotiated rulemaking was conducted. The rule is consistent with the Department's authority under Section 41-211, Idaho Code.

cc: Department of Insurance - Contracts
Thomas A. Donovan

IDAPA 18 - DEPARTMENT OF INSURANCE

18.01.46 - RECOGNITION OF NEW ANNUITY MORTALITY TABLES FOR USE IN DETERMINING RESERVE LIABILITIES FOR ANNUITIES AND PURE ENDOWMENT CONTRACTS

DOCKET NO. 18-0146-1401

NOTICE OF RULEMAKING - PROPOSED RULE

AUTHORITY: In compliance with Section 67-5221(1), Idaho Code, notice is hereby given that this agency has initiated proposed rulemaking procedures. The action is authorized pursuant to Sections 41-211 and 41-612, Idaho Code.

PUBLIC HEARING SCHEDULE: Public hearing(s) concerning this rulemaking will be scheduled if requested in writing by twenty-five (25) persons, a political subdivision, or an agency, not later than September 17, 2014.

The hearing site(s) will be accessible to persons with disabilities. Requests for accommodation must be made not later than five (5) days prior to the hearing, to the agency address below.

DESCRIPTIVE SUMMARY: The following is a nontechnical explanation of the substance and purpose of the proposed rulemaking:

The rulemaking amends Rule 46 to adopt the NAIC 2012 individual annuity reserve table (2012 IAR), consistent with NAIC Model Regulation 821, for annuities issued January 1, 2015, and later. There is a nationwide effort to have the table apply effective January 1, 2015, since it will require higher reserving so as not to unfairly prejudice companies in states that adopt it early.

FEE SUMMARY: The following is a specific description of the fee or charge imposed or increased: NA

FISCAL IMPACT: The following is a specific description, if applicable, of any negative fiscal impact on the state general fund greater than ten thousand dollars (\$10,000) during the fiscal year: NA

NEGOTIATED RULEMAKING: Pursuant to Section 67-5220(1), Idaho Code, negotiated rulemaking was conducted. The Notice of Intent to Promulgate Rules - Negotiated Rulemaking was published in the July 2, 2014, Idaho Administrative Bulletin, [Vol. 14-7, p. 83](#).

INCORPORATION BY REFERENCE: Pursuant to Section 67-5229(2)(a), Idaho Code, the following is a brief synopsis of why the materials cited are being incorporated by reference into this rule: NA

ASSISTANCE ON TECHNICAL QUESTIONS, SUBMISSION OF WRITTEN COMMENTS: For assistance on technical questions concerning the proposed rule or to submit comments, contact Thomas Donovan, tom.donovan@doi.idaho.gov, (208) 334-4214.

Anyone may submit written comments regarding the proposed rulemaking. All written comments must be delivered on or before September 24, 2014.

DATED this 6th Day of August, 2014.

William Deal, Director
Idaho Department of Insurance
700 W. State St – 3rd Floor
P.O. Box 83720
Boise, ID 83720-0043
Phone: (208) 334-4250
Fax: (208) 334-4398

THE FOLLOWING IS THE PROPOSED TEXT OF DOCKET NO. 18-0146-1401
(Only those Sections being amended are shown.)

001. TITLE AND SCOPE.

01. **Title.** This rule shall be cited as IDAPA 18.01.46, "Recognition of New Annuity Mortality Tables for Use in Determining Reserve Liabilities for Annuities and Pure Endowment Contracts." (3-29-12)

02. **Scope.** The purpose of this rule is to recognize the following mortality tables for use in determining the minimum standard valuation for annuity and pure endowment contracts: the 1983 Table 'a,' the 1983 Group Annuity Mortality (1983 GAM) Table, the 1994 Group Annuity Reserving (1994 GAR) Table, ~~and~~ the Annuity 2000 Mortality Table, and the 2012 Individual Annuity Reserve (2012 IAR) Table. (3-29-12)()

(BREAK IN CONTINUITY OF SECTIONS)

010. DEFINITIONS.

01. **1983 Table 'a'.** As used in this rule "1983 Table 'a'" means that mortality table developed by the Society of Actuaries Committee to Recommend a New Mortality Basis for Individual Annuity Valuation and shown on page 708 of Volume 33 of the Transactions of Society of Actuaries 1981 and adopted as a recognized mortality table for annuities in June 1982 by the National Association of Insurance Commissioners. (3-29-12)

02. **1983 GAM Table.** As used in this rule "1983 GAM Table" means that mortality table developed by the Society of Actuaries Committee on Annuities and shown on pages 880-881 of Volume 35 of the Transactions of Society of Actuaries 1983 and adopted as a recognized mortality table for annuities in December 1983 by the National Association of Insurance Commissioners. (3-29-12)

03. **1994 GAR Table.** As used in this rule "1994 GAR Table" means that mortality table developed by the Society of Actuaries Group Annuity Valuation Table Task Force and shown on pages 866-867 of Volume 47 of the Transactions of Society of Actuaries 1995. (3-29-12)

04. **2012 Individual Annuity Mortality Period Life (2012 IAM Period) Table.** As used in this rule, the "2012 Individual Annuity Mortality Period Life Table" or the "2012 IAM Period" means the Period table containing loaded mortality rates for calendar year 2012. This table contains rates, q_x^{2012} , developed by the Society of Actuaries Committee on Life Insurance Research and is shown in Appendices I and II. ()

05. **2012 Individual Annuity Reserving (2012 IAR) Table.** As used in this rule, the "2012 Individual Annuity Reserving Table" or the "2012 IAR" means the generational mortality table developed by the Society of Actuaries Committee on Life Insurance Research and containing rates, q_x^{2012+n} derived from a combination of the 2012 IAM Period table and Projection Scale G2, using the methodology stated in Section 014. ()

06. **Annuity 2000 Mortality Table.** As used in this rule "Annuity 2000 Mortality Table" means that mortality table developed by the Society of Actuaries Committee on Life Insurance Research and shown on page 266 of Volume 47 of the Transactions of Society of Actuaries 1995 – 96 Reports. (3-29-12)

07. **Generational Mortality Table.** As used in this rule, "generational mortality table" means a mortality table containing a set of mortality rates that decrease for a given age from one year to the next based on a combination of a period table and a projection scale containing rates of mortality improvement. ()

08. **Period Table.** As used in this rule, "period table" means a table of mortality rates applicable to a given calendar year (the Period). ()

09. **Projection Scale G2 (Scale G2).** As used in this rule, "projection scale G2" is a table of annual rates, $G2_x$, of mortality improvement by age for projecting future mortality rates beyond calendar year 2012. This table was developed by the Society of Actuaries Committee on Life Insurance Research and is shown in Appendices 3 and 4. ()

(BREAK IN CONTINUITY OF SECTIONS)

011. INDIVIDUAL ANNUITY OR PURE ENDOWMENT CONTRACTS.

01. Individual Annuity Mortality Table. Except as provided in Subsections 011.02 and 011.03, of this rule, the 1983 Table 'a' is recognized and approved as an individual annuity mortality table for valuation and, at the option of the company, may be used for purposes of determining the minimum standard of valuation for any individual annuity or pure endowment contract issued on or after July 1, 1982. (3-29-12)

02. Minimum Standard for Valuation. Except as provided in Subsection 011.03 of this rule, either the 1983 Table 'a' or the Annuity 2000 Mortality Table shall be used for determining the minimum standard of valuation for any individual annuity or pure endowment contract issued on or after January 1, 1987. (3-29-12)

03. The Annuity 2000 Mortality Table. Except as provided in Subsection 011.04 of this rule, the Annuity 2000 Mortality Table shall be used for determining the minimum standard of valuation for any individual annuity or pure endowment contract issued on or after the effective date of Subsections 011.03 and 011.04. (3-29-12)

04. The 2012 IAR Mortality Table. Except as provided in Subsection 011.05 of this rule, the 2012 IAR Mortality Table shall be used for determining the minimum standard of valuation for any individual annuity or pure endowment contract issued on or after the effective date of Subsection 011.04. ()

04.5. The 1983 Table 'a.' The 1983 Table 'a' without projection is to be used for determining the minimum standards of valuation for an individual annuity or pure endowment contract issued on or after the effective date of Subsections 011.034 and 011.045 of this rule solely when the contract is based on life contingencies and issued to fund periodic benefits arising from: (3-29-12)()

- a. Settlements of various forms of claims pertaining to court settlements or out of court settlements from tort actions; (3-29-12)
- b. Settlements involving similar actions such as workers' compensation claims; or (3-29-12)
- c. Settlements of long term disability claims where a temporary or life annuity has been used in lieu of continuing disability payments. (3-29-12)

(BREAK IN CONTINUITY OF SECTIONS)

014. APPLICATION OF THE 2012 IAR MORTALITY TABLE.

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

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

b. The resulting q_x^{2012+n} shall be rounded to three (3) decimal places per one thousand (1,000), e.g., 0.741 deaths per one thousand (1,000). The rounding shall occur according to the formula above, starting at the 2012 period table rate. ()

02. Mortality Rate Formula Example. For a male age 30, $q_x^{2012} = 0.741$: ()

a. $q_x^{2013} = 0.741 * (1 - 0.010)^1 = 0.73359$, which is rounded to 0.734. ()

b. $q_x^{2014} = 0.741 * (1 - 0.010)^2 = 0.7262541$, which is rounded to 0.726. ()

c. A method leading to incorrect rounding would be to calculate q_x^{2014} as $q_x^{2013} * (1 - 0.010)$, or $0.734 * 0.99 = 0.727$. It is incorrect to use the already rounded q_x^{2013} to calculate q_x^{2014} . ()

0145. SEVERABILITY.

If any provision of this rule or the application thereof to any person or circumstances is for any reason held to be invalid, the remainder of the rule and the application of such provision to other persons or circumstances shall not be affected thereby. (7-1-93)

0156. -- 999. (RESERVED)

APPENDIX I							
2012 IAM Period Table							
Female, Age Nearest Birthday							
AGE	1000 - q_x^{2012}	AGE	1000 - q_x^{2012}	AGE	1000 - q_x^{2012}	AGE	1000 - q_x^{2012}
<u>0</u>	<u>1.621</u>	<u>30</u>	<u>0.300</u>	<u>60</u>	<u>3.460</u>	<u>90</u>	<u>88.377</u>
<u>1</u>	<u>0.405</u>	<u>31</u>	<u>0.321</u>	<u>61</u>	<u>3.916</u>	<u>91</u>	<u>97.491</u>
<u>2</u>	<u>0.259</u>	<u>32</u>	<u>0.338</u>	<u>62</u>	<u>4.409</u>	<u>92</u>	<u>107.269</u>
<u>3</u>	<u>0.179</u>	<u>33</u>	<u>0.351</u>	<u>63</u>	<u>4.933</u>	<u>93</u>	<u>118.201</u>
<u>4</u>	<u>0.137</u>	<u>34</u>	<u>0.365</u>	<u>64</u>	<u>5.507</u>	<u>94</u>	<u>130.969</u>
<u>5</u>	<u>0.125</u>	<u>35</u>	<u>0.381</u>	<u>65</u>	<u>6.146</u>	<u>95</u>	<u>146.449</u>
<u>6</u>	<u>0.117</u>	<u>36</u>	<u>0.402</u>	<u>66</u>	<u>6.551</u>	<u>96</u>	<u>163.908</u>
<u>7</u>	<u>0.110</u>	<u>37</u>	<u>0.429</u>	<u>67</u>	<u>7.039</u>	<u>97</u>	<u>179.695</u>
<u>8</u>	<u>0.095</u>	<u>38</u>	<u>0.463</u>	<u>68</u>	<u>7.628</u>	<u>98</u>	<u>196.151</u>
<u>9</u>	<u>0.088</u>	<u>39</u>	<u>0.504</u>	<u>69</u>	<u>8.311</u>	<u>99</u>	<u>213.150</u>
<u>10</u>	<u>0.085</u>	<u>40</u>	<u>0.552</u>	<u>70</u>	<u>9.074</u>	<u>100</u>	<u>230.722</u>
<u>11</u>	<u>0.086</u>	<u>41</u>	<u>0.600</u>	<u>71</u>	<u>9.910</u>	<u>101</u>	<u>251.505</u>
<u>12</u>	<u>0.094</u>	<u>42</u>	<u>0.650</u>	<u>72</u>	<u>10.827</u>	<u>102</u>	<u>273.007</u>
<u>13</u>	<u>0.108</u>	<u>43</u>	<u>0.697</u>	<u>73</u>	<u>11.839</u>	<u>103</u>	<u>295.086</u>
<u>14</u>	<u>0.131</u>	<u>44</u>	<u>0.740</u>	<u>74</u>	<u>12.974</u>	<u>104</u>	<u>317.591</u>
<u>15</u>	<u>0.156</u>	<u>45</u>	<u>0.780</u>	<u>75</u>	<u>14.282</u>	<u>105</u>	<u>340.362</u>
<u>16</u>	<u>0.179</u>	<u>46</u>	<u>0.825</u>	<u>76</u>	<u>15.799</u>	<u>106</u>	<u>362.371</u>
<u>17</u>	<u>0.198</u>	<u>47</u>	<u>0.885</u>	<u>77</u>	<u>17.550</u>	<u>107</u>	<u>384.113</u>
<u>18</u>	<u>0.211</u>	<u>48</u>	<u>0.964</u>	<u>78</u>	<u>19.582</u>	<u>108</u>	<u>400.000</u>
<u>19</u>	<u>0.221</u>	<u>49</u>	<u>1.051</u>	<u>79</u>	<u>21.970</u>	<u>109</u>	<u>400.000</u>
<u>20</u>	<u>0.228</u>	<u>50</u>	<u>1.161</u>	<u>80</u>	<u>24.821</u>	<u>110</u>	<u>400.000</u>
<u>21</u>	<u>0.234</u>	<u>51</u>	<u>1.308</u>	<u>81</u>	<u>28.351</u>	<u>111</u>	<u>400.000</u>
<u>22</u>	<u>0.240</u>	<u>52</u>	<u>1.460</u>	<u>82</u>	<u>32.509</u>	<u>112</u>	<u>400.000</u>
<u>23</u>	<u>0.245</u>	<u>53</u>	<u>1.613</u>	<u>83</u>	<u>37.329</u>	<u>113</u>	<u>400.000</u>
<u>24</u>	<u>0.247</u>	<u>54</u>	<u>1.774</u>	<u>84</u>	<u>42.830</u>	<u>114</u>	<u>400.000</u>
<u>25</u>	<u>0.250</u>	<u>55</u>	<u>1.950</u>	<u>85</u>	<u>48.997</u>	<u>115</u>	<u>400.000</u>
<u>26</u>	<u>0.256</u>	<u>56</u>	<u>2.154</u>	<u>86</u>	<u>55.774</u>	<u>116</u>	<u>400.000</u>
<u>27</u>	<u>0.261</u>	<u>57</u>	<u>2.399</u>	<u>87</u>	<u>63.140</u>	<u>117</u>	<u>400.000</u>
<u>28</u>	<u>0.270</u>	<u>58</u>	<u>2.700</u>	<u>88</u>	<u>71.066</u>	<u>118</u>	<u>400.000</u>
<u>29</u>	<u>0.281</u>	<u>59</u>	<u>3.054</u>	<u>89</u>	<u>79.502</u>	<u>119</u>	<u>400.000</u>
						<u>120</u>	<u>1000.000</u>

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APPENDIX II 2012 IAM Period Table Male, Age Nearest Birthday							
AGE	$1000 - q_x^{2012}$	AGE	$1000 - q_x^{2012}$	AGE	$1000 - q_x^{2012}$	AGE	$1000 - q_x^{2012}$
<u>0</u>	<u>1.605</u>	<u>30</u>	<u>0.741</u>	<u>60</u>	<u>5.096</u>	<u>90</u>	<u>109.993</u>
<u>1</u>	<u>0.401</u>	<u>31</u>	<u>0.751</u>	<u>61</u>	<u>5.614</u>	<u>91</u>	<u>123.119</u>
<u>2</u>	<u>0.275</u>	<u>32</u>	<u>0.754</u>	<u>62</u>	<u>6.169</u>	<u>92</u>	<u>137.168</u>
<u>3</u>	<u>0.229</u>	<u>33</u>	<u>0.756</u>	<u>63</u>	<u>6.759</u>	<u>93</u>	<u>152.171</u>
<u>4</u>	<u>0.174</u>	<u>34</u>	<u>0.756</u>	<u>64</u>	<u>7.398</u>	<u>94</u>	<u>168.194</u>
<u>5</u>	<u>0.168</u>	<u>35</u>	<u>0.756</u>	<u>65</u>	<u>8.106</u>	<u>95</u>	<u>185.260</u>
<u>6</u>	<u>0.165</u>	<u>36</u>	<u>0.756</u>	<u>66</u>	<u>8.548</u>	<u>96</u>	<u>197.322</u>
<u>7</u>	<u>0.159</u>	<u>37</u>	<u>0.756</u>	<u>67</u>	<u>9.076</u>	<u>97</u>	<u>214.751</u>
<u>8</u>	<u>0.143</u>	<u>38</u>	<u>0.756</u>	<u>68</u>	<u>9.708</u>	<u>98</u>	<u>232.507</u>
<u>9</u>	<u>0.129</u>	<u>39</u>	<u>0.800</u>	<u>69</u>	<u>10.463</u>	<u>99</u>	<u>250.397</u>
<u>10</u>	<u>0.113</u>	<u>40</u>	<u>0.859</u>	<u>70</u>	<u>11.357</u>	<u>100</u>	<u>268.607</u>
<u>11</u>	<u>0.111</u>	<u>41</u>	<u>0.926</u>	<u>71</u>	<u>12.418</u>	<u>101</u>	<u>290.016</u>
<u>12</u>	<u>0.132</u>	<u>42</u>	<u>0.999</u>	<u>72</u>	<u>13.675</u>	<u>102</u>	<u>311.849</u>
<u>13</u>	<u>0.169</u>	<u>43</u>	<u>1.069</u>	<u>73</u>	<u>15.150</u>	<u>103</u>	<u>333.962</u>
<u>14</u>	<u>0.213</u>	<u>44</u>	<u>1.142</u>	<u>74</u>	<u>16.860</u>	<u>104</u>	<u>356.207</u>
<u>15</u>	<u>0.254</u>	<u>45</u>	<u>1.219</u>	<u>75</u>	<u>18.815</u>	<u>105</u>	<u>380.000</u>
<u>16</u>	<u>0.293</u>	<u>46</u>	<u>1.318</u>	<u>76</u>	<u>21.031</u>	<u>106</u>	<u>400.000</u>
<u>17</u>	<u>0.328</u>	<u>47</u>	<u>1.454</u>	<u>77</u>	<u>23.540</u>	<u>107</u>	<u>400.000</u>
<u>18</u>	<u>0.359</u>	<u>48</u>	<u>1.627</u>	<u>78</u>	<u>26.375</u>	<u>108</u>	<u>400.000</u>
<u>19</u>	<u>0.387</u>	<u>49</u>	<u>1.829</u>	<u>79</u>	<u>29.572</u>	<u>109</u>	<u>400.000</u>
<u>20</u>	<u>0.414</u>	<u>50</u>	<u>2.057</u>	<u>80</u>	<u>33.234</u>	<u>110</u>	<u>400.000</u>
<u>21</u>	<u>0.443</u>	<u>51</u>	<u>2.302</u>	<u>81</u>	<u>37.533</u>	<u>111</u>	<u>400.000</u>
<u>22</u>	<u>0.473</u>	<u>52</u>	<u>2.545</u>	<u>82</u>	<u>42.261</u>	<u>112</u>	<u>400.000</u>
<u>23</u>	<u>0.513</u>	<u>53</u>	<u>2.779</u>	<u>83</u>	<u>47.441</u>	<u>113</u>	<u>400.000</u>
<u>24</u>	<u>0.554</u>	<u>54</u>	<u>3.011</u>	<u>84</u>	<u>53.233</u>	<u>114</u>	<u>400.000</u>
<u>25</u>	<u>0.602</u>	<u>55</u>	<u>3.254</u>	<u>85</u>	<u>59.855</u>	<u>115</u>	<u>400.000</u>
<u>26</u>	<u>0.655</u>	<u>56</u>	<u>3.529</u>	<u>86</u>	<u>67.514</u>	<u>116</u>	<u>400.000</u>
<u>27</u>	<u>0.688</u>	<u>57</u>	<u>3.845</u>	<u>87</u>	<u>76.340</u>	<u>117</u>	<u>400.000</u>
<u>28</u>	<u>0.710</u>	<u>58</u>	<u>4.213</u>	<u>88</u>	<u>86.388</u>	<u>118</u>	<u>400.000</u>
<u>29</u>	<u>0.727</u>	<u>59</u>	<u>4.631</u>	<u>89</u>	<u>97.634</u>	<u>119</u>	<u>400.000</u>
						<u>120</u>	<u>1000.000</u>

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APPENDIX III Projection Scale G2 Female, Age Nearest Birthday							
AGE	G2 _x	AGE	G2 _x	AGE	G2 _x	AGE	G2 _x
<u>0</u>	<u>0.010</u>	<u>30</u>	<u>0.010</u>	<u>60</u>	<u>0.013</u>	<u>90</u>	<u>0.006</u>
<u>1</u>	<u>0.010</u>	<u>31</u>	<u>0.010</u>	<u>61</u>	<u>0.013</u>	<u>91</u>	<u>0.006</u>
<u>2</u>	<u>0.010</u>	<u>32</u>	<u>0.010</u>	<u>62</u>	<u>0.013</u>	<u>92</u>	<u>0.005</u>
<u>3</u>	<u>0.010</u>	<u>33</u>	<u>0.010</u>	<u>63</u>	<u>0.013</u>	<u>93</u>	<u>0.005</u>
<u>4</u>	<u>0.010</u>	<u>34</u>	<u>0.010</u>	<u>64</u>	<u>0.013</u>	<u>94</u>	<u>0.004</u>
<u>5</u>	<u>0.010</u>	<u>35</u>	<u>0.010</u>	<u>65</u>	<u>0.013</u>	<u>95</u>	<u>0.004</u>
<u>6</u>	<u>0.010</u>	<u>36</u>	<u>0.010</u>	<u>66</u>	<u>0.013</u>	<u>96</u>	<u>0.004</u>
<u>7</u>	<u>0.010</u>	<u>37</u>	<u>0.010</u>	<u>67</u>	<u>0.013</u>	<u>97</u>	<u>0.003</u>
<u>8</u>	<u>0.010</u>	<u>38</u>	<u>0.010</u>	<u>68</u>	<u>0.013</u>	<u>98</u>	<u>0.003</u>
<u>9</u>	<u>0.010</u>	<u>39</u>	<u>0.010</u>	<u>69</u>	<u>0.013</u>	<u>99</u>	<u>0.002</u>
<u>10</u>	<u>0.010</u>	<u>40</u>	<u>0.010</u>	<u>70</u>	<u>0.013</u>	<u>100</u>	<u>0.002</u>
<u>11</u>	<u>0.010</u>	<u>41</u>	<u>0.010</u>	<u>71</u>	<u>0.013</u>	<u>101</u>	<u>0.002</u>
<u>12</u>	<u>0.010</u>	<u>42</u>	<u>0.010</u>	<u>72</u>	<u>0.013</u>	<u>102</u>	<u>0.001</u>
<u>13</u>	<u>0.010</u>	<u>43</u>	<u>0.010</u>	<u>73</u>	<u>0.013</u>	<u>103</u>	<u>0.001</u>
<u>14</u>	<u>0.010</u>	<u>44</u>	<u>0.010</u>	<u>74</u>	<u>0.013</u>	<u>104</u>	<u>0.000</u>
<u>15</u>	<u>0.010</u>	<u>45</u>	<u>0.010</u>	<u>75</u>	<u>0.013</u>	<u>105</u>	<u>0.000</u>
<u>16</u>	<u>0.010</u>	<u>46</u>	<u>0.010</u>	<u>76</u>	<u>0.013</u>	<u>106</u>	<u>0.000</u>
<u>17</u>	<u>0.010</u>	<u>47</u>	<u>0.010</u>	<u>77</u>	<u>0.013</u>	<u>107</u>	<u>0.000</u>
<u>18</u>	<u>0.010</u>	<u>48</u>	<u>0.010</u>	<u>78</u>	<u>0.013</u>	<u>108</u>	<u>0.000</u>
<u>19</u>	<u>0.010</u>	<u>49</u>	<u>0.010</u>	<u>79</u>	<u>0.013</u>	<u>109</u>	<u>0.000</u>
<u>20</u>	<u>0.010</u>	<u>50</u>	<u>0.010</u>	<u>80</u>	<u>0.013</u>	<u>110</u>	<u>0.000</u>
<u>21</u>	<u>0.010</u>	<u>51</u>	<u>0.010</u>	<u>81</u>	<u>0.012</u>	<u>111</u>	<u>0.000</u>
<u>22</u>	<u>0.010</u>	<u>52</u>	<u>0.011</u>	<u>82</u>	<u>0.012</u>	<u>112</u>	<u>0.000</u>
<u>23</u>	<u>0.010</u>	<u>53</u>	<u>0.011</u>	<u>83</u>	<u>0.011</u>	<u>113</u>	<u>0.000</u>
<u>24</u>	<u>0.010</u>	<u>54</u>	<u>0.011</u>	<u>84</u>	<u>0.010</u>	<u>114</u>	<u>0.000</u>
<u>25</u>	<u>0.010</u>	<u>55</u>	<u>0.012</u>	<u>85</u>	<u>0.010</u>	<u>115</u>	<u>0.000</u>
<u>26</u>	<u>0.010</u>	<u>56</u>	<u>0.012</u>	<u>86</u>	<u>0.009</u>	<u>116</u>	<u>0.000</u>
<u>27</u>	<u>0.010</u>	<u>57</u>	<u>0.012</u>	<u>87</u>	<u>0.008</u>	<u>117</u>	<u>0.000</u>
<u>28</u>	<u>0.010</u>	<u>58</u>	<u>0.012</u>	<u>88</u>	<u>0.007</u>	<u>118</u>	<u>0.000</u>
<u>29</u>	<u>0.010</u>	<u>59</u>	<u>0.013</u>	<u>89</u>	<u>0.007</u>	<u>119</u>	<u>0.000</u>
						<u>120</u>	<u>0.000</u>

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APPENDIX IV Projection Scale G2 Male, Age Nearest Birthday							
AGE	G2 _x	AGE	G2 _x	AGE	G2 _x	AGE	G2 _x
<u>0</u>	<u>0.010</u>	<u>30</u>	<u>0.010</u>	<u>60</u>	<u>0.015</u>	<u>90</u>	<u>0.007</u>
<u>1</u>	<u>0.010</u>	<u>31</u>	<u>0.010</u>	<u>61</u>	<u>0.015</u>	<u>91</u>	<u>0.007</u>
<u>2</u>	<u>0.010</u>	<u>32</u>	<u>0.010</u>	<u>62</u>	<u>0.015</u>	<u>92</u>	<u>0.006</u>
<u>3</u>	<u>0.010</u>	<u>33</u>	<u>0.010</u>	<u>63</u>	<u>0.015</u>	<u>93</u>	<u>0.005</u>
<u>4</u>	<u>0.010</u>	<u>34</u>	<u>0.010</u>	<u>64</u>	<u>0.015</u>	<u>94</u>	<u>0.005</u>
<u>5</u>	<u>0.010</u>	<u>35</u>	<u>0.010</u>	<u>65</u>	<u>0.015</u>	<u>95</u>	<u>0.004</u>
<u>6</u>	<u>0.010</u>	<u>36</u>	<u>0.010</u>	<u>66</u>	<u>0.015</u>	<u>96</u>	<u>0.004</u>
<u>7</u>	<u>0.010</u>	<u>37</u>	<u>0.010</u>	<u>67</u>	<u>0.015</u>	<u>97</u>	<u>0.003</u>
<u>8</u>	<u>0.010</u>	<u>38</u>	<u>0.010</u>	<u>68</u>	<u>0.015</u>	<u>98</u>	<u>0.003</u>
<u>9</u>	<u>0.010</u>	<u>39</u>	<u>0.010</u>	<u>69</u>	<u>0.015</u>	<u>99</u>	<u>0.002</u>
<u>10</u>	<u>0.010</u>	<u>40</u>	<u>0.010</u>	<u>70</u>	<u>0.015</u>	<u>100</u>	<u>0.002</u>
<u>11</u>	<u>0.010</u>	<u>41</u>	<u>0.010</u>	<u>71</u>	<u>0.015</u>	<u>101</u>	<u>0.002</u>
<u>12</u>	<u>0.010</u>	<u>42</u>	<u>0.010</u>	<u>72</u>	<u>0.015</u>	<u>102</u>	<u>0.001</u>
<u>13</u>	<u>0.010</u>	<u>43</u>	<u>0.010</u>	<u>73</u>	<u>0.015</u>	<u>103</u>	<u>0.001</u>
<u>14</u>	<u>0.010</u>	<u>44</u>	<u>0.010</u>	<u>74</u>	<u>0.015</u>	<u>104</u>	<u>0.000</u>
<u>15</u>	<u>0.010</u>	<u>45</u>	<u>0.010</u>	<u>75</u>	<u>0.015</u>	<u>105</u>	<u>0.000</u>
<u>16</u>	<u>0.010</u>	<u>46</u>	<u>0.010</u>	<u>76</u>	<u>0.015</u>	<u>106</u>	<u>0.000</u>
<u>17</u>	<u>0.010</u>	<u>47</u>	<u>0.010</u>	<u>77</u>	<u>0.015</u>	<u>107</u>	<u>0.000</u>
<u>18</u>	<u>0.010</u>	<u>48</u>	<u>0.010</u>	<u>78</u>	<u>0.015</u>	<u>108</u>	<u>0.000</u>
<u>19</u>	<u>0.010</u>	<u>49</u>	<u>0.010</u>	<u>79</u>	<u>0.015</u>	<u>109</u>	<u>0.000</u>
<u>20</u>	<u>0.010</u>	<u>50</u>	<u>0.010</u>	<u>80</u>	<u>0.015</u>	<u>110</u>	<u>0.000</u>
<u>21</u>	<u>0.010</u>	<u>51</u>	<u>0.011</u>	<u>81</u>	<u>0.014</u>	<u>111</u>	<u>0.000</u>
<u>22</u>	<u>0.010</u>	<u>52</u>	<u>0.011</u>	<u>82</u>	<u>0.013</u>	<u>112</u>	<u>0.000</u>
<u>23</u>	<u>0.010</u>	<u>53</u>	<u>0.012</u>	<u>83</u>	<u>0.013</u>	<u>113</u>	<u>0.000</u>
<u>24</u>	<u>0.010</u>	<u>54</u>	<u>0.012</u>	<u>84</u>	<u>0.012</u>	<u>114</u>	<u>0.000</u>
<u>25</u>	<u>0.010</u>	<u>55</u>	<u>0.013</u>	<u>85</u>	<u>0.011</u>	<u>115</u>	<u>0.000</u>
<u>26</u>	<u>0.010</u>	<u>56</u>	<u>0.013</u>	<u>86</u>	<u>0.010</u>	<u>116</u>	<u>0.000</u>
<u>27</u>	<u>0.010</u>	<u>57</u>	<u>0.014</u>	<u>87</u>	<u>0.009</u>	<u>117</u>	<u>0.000</u>
<u>28</u>	<u>0.010</u>	<u>58</u>	<u>0.014</u>	<u>88</u>	<u>0.009</u>	<u>118</u>	<u>0.000</u>
<u>29</u>	<u>0.010</u>	<u>59</u>	<u>0.015</u>	<u>89</u>	<u>0.008</u>	<u>119</u>	<u>0.000</u>
						<u>120</u>	<u>0.000</u>

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