

# Morningstar® Lifetime Allocation Indexes

## Aggressive Summary Allocations

As of June 20, 2022

Target Retirement Year:	2065	2060	2055	2050	2045	2040	2035	2030	2025	2020	2015	2010	2005	2000	Income
<b>Stocks %</b>	<b>97.00</b>	<b>97.00</b>	<b>97.00</b>	<b>96.90</b>	<b>96.30</b>	<b>93.40</b>	<b>86.82</b>	<b>77.45</b>	<b>67.94</b>	<b>60.12</b>	<b>54.17</b>	<b>49.64</b>	<b>47.20</b>	<b>47.20</b>	<b>47.20</b>
U.S. %	55.15	56.32	57.49	58.61	59.42	58.80	55.78	50.80	45.47	41.05	37.70	35.18	33.82	33.82	33.82
Non-U.S. %	41.85	40.68	39.51	38.30	36.88	34.60	31.04	26.66	22.46	19.07	16.47	14.45	13.38	13.38	13.38
Morningstar Large Value	10.42	10.82	11.23	11.63	11.98	12.03	11.55	10.62	9.60	8.74	8.11	7.65	7.40	7.40	7.40
Morningstar Large Core	9.29	9.65	10.01	10.38	10.69	10.73	10.30	9.48	8.56	7.80	7.23	6.82	6.60	6.60	6.60
Morningstar Large Growth	8.45	8.77	9.10	9.43	9.72	9.75	9.36	8.61	7.78	7.09	6.57	6.20	6.00	6.00	6.00
Morningstar Mid Value	4.46	4.64	4.81	4.99	5.14	5.15	4.95	4.55	4.11	3.75	3.47	3.28	3.17	3.17	3.17
Morningstar Mid Core	3.98	4.14	4.29	4.45	4.58	4.60	4.41	4.06	3.67	3.34	3.10	2.92	2.83	2.83	2.83
Morningstar Mid Growth	3.62	3.76	3.90	4.04	4.16	4.18	4.01	3.69	3.33	3.04	2.82	2.66	2.57	2.57	2.57
Morningstar Small Value	4.34	4.23	4.12	3.99	3.84	3.58	3.18	2.70	2.24	1.86	1.57	1.33	1.20	1.20	1.20
Morningstar Small Core	3.87	3.78	3.68	3.56	3.42	3.19	2.84	2.41	2.00	1.66	1.40	1.18	1.07	1.07	1.07
Morningstar Small Growth	3.52	3.43	3.34	3.24	3.11	2.90	2.58	2.19	1.82	1.51	1.27	1.08	0.97	0.97	0.97
Morningstar US REIT	3.21	3.10	3.00	2.90	2.79	2.69	2.58	2.48	2.38	2.27	2.17	2.06	2.00	2.00	2.00
Morningstar Dev Mkts ex-US	29.05	28.64	28.21	27.73	27.07	25.75	23.41	20.37	17.39	14.95	13.08	11.62	10.84	10.84	10.84
Morningstar Emerging Mkts	12.81	12.04	11.30	10.57	9.81	8.86	7.64	6.29	5.08	4.12	3.39	2.83	2.54	2.54	2.54
<b>Bonds %</b>	<b>3.00</b>	<b>3.00</b>	<b>3.00</b>	<b>3.04</b>	<b>3.47</b>	<b>5.91</b>	<b>11.20</b>	<b>18.12</b>	<b>24.26</b>	<b>28.26</b>	<b>30.23</b>	<b>30.72</b>	<b>30.60</b>	<b>30.60</b>	<b>30.60</b>
U.S. %	2.38	2.41	2.43	2.48	2.84	4.83	9.17	14.84	19.87	23.15	24.76	25.14	25.03	25.03	25.03
Non-U.S. %	0.62	0.59	0.57	0.56	0.63	1.08	2.03	3.28	4.39	5.11	5.47	5.58	5.57	5.57	5.57
Long-Term Bonds	1.67	1.61	1.44	1.30	1.34	2.03	3.48	4.94	5.55	5.04	3.60	1.50	0.00	0.00	0.00
Intermediate-Term Bonds	0.51	0.57	0.71	0.85	1.08	2.01	4.08	7.10	10.27	12.99	15.17	16.95	17.95	17.95	17.95
Short-Term Bonds	0.20	0.23	0.28	0.33	0.42	0.79	1.61	2.80	4.05	5.13	5.99	6.69	7.08	7.08	7.08
Morningstar Gbl Ex US Govt Bond	0.21	0.20	0.19	0.19	0.22	0.37	0.69	1.12	1.50	1.74	1.87	1.90	1.90	1.90	1.90
Morningstar EM Sovereign Bond	0.41	0.39	0.37	0.37	0.42	0.71	1.34	2.16	2.89	3.37	3.61	3.67	3.67	3.67	3.67
<b>Inflation Hedge %</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.04</b>	<b>0.18</b>	<b>0.56</b>	<b>1.60</b>	<b>3.58</b>	<b>6.31</b>	<b>9.40</b>	<b>12.61</b>	<b>15.88</b>	<b>17.95</b>	<b>17.95</b>	<b>17.95</b>
Commodities	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Long-Term TIPS	0.00	0.00	0.00	0.04	0.18	0.56	1.60	3.21	4.56	5.17	4.75	3.24	1.79	1.79	1.79
Short-Term TIPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.75	4.23	7.86	12.65	16.15	16.15	16.15
<b>Cash %</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.01</b>	<b>0.04</b>	<b>0.13</b>	<b>0.38</b>	<b>0.85</b>	<b>1.49</b>	<b>2.23</b>	<b>2.99</b>	<b>3.76</b>	<b>4.25</b>	<b>4.25</b>	<b>4.25</b>
<b>Total %</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

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# Morningstar® Lifetime Allocation Indexes

## Moderate Summary Allocations

As of June 20, 2022

Target Retirement Year:	2065	2060	2055	2050	2045	2040	2035	2030	2025	2020	2015	2010	2005	2000	Income
<b>Stocks %</b>	<b>93.00</b>	<b>92.94</b>	<b>92.55</b>	<b>91.67</b>	<b>88.11</b>	<b>80.60</b>	<b>70.06</b>	<b>59.38</b>	<b>50.99</b>	<b>44.96</b>	<b>40.36</b>	<b>37.10</b>	<b>35.56</b>	<b>35.56</b>	<b>35.56</b>
U.S. %	52.93	54.02	54.91	55.50	54.46	50.88	45.19	39.15	34.34	30.89	28.26	26.46	25.63	25.63	25.63
Non-U.S. %	40.07	38.92	37.64	36.16	33.65	29.72	24.87	20.23	16.66	14.07	12.10	10.64	9.94	9.94	9.94
Morningstar Large Value	9.92	10.30	10.65	10.95	10.90	10.30	9.23	8.05	7.11	6.44	5.95	5.63	5.50	5.50	5.50
Morningstar Large Core	8.85	9.19	9.50	9.76	9.72	9.19	8.23	7.18	6.34	5.75	5.31	5.02	4.90	4.90	4.90
Morningstar Large Growth	8.04	8.35	8.64	8.88	8.84	8.35	7.48	6.53	5.76	5.22	4.82	4.57	4.46	4.46	4.46
Morningstar Mid Value	4.25	4.42	4.57	4.69	4.67	4.42	3.96	3.45	3.05	2.76	2.55	2.41	2.36	2.36	2.36
Morningstar Mid Core	3.79	3.94	4.07	4.18	4.17	3.94	3.53	3.08	2.72	2.46	2.27	2.15	2.10	2.10	2.10
Morningstar Mid Growth	3.45	3.58	3.70	3.80	3.79	3.58	3.21	2.80	2.47	2.24	2.07	1.96	1.91	1.91	1.91
Morningstar Small Value	4.22	4.12	3.99	3.83	3.55	3.11	2.58	2.07	1.67	1.38	1.15	0.98	0.89	0.89	0.89
Morningstar Small Core	3.77	3.67	3.56	3.41	3.16	2.78	2.30	1.85	1.49	1.23	1.03	0.87	0.80	0.80	0.80
Morningstar Small Growth	3.43	3.34	3.23	3.10	2.88	2.52	2.09	1.68	1.36	1.12	0.94	0.79	0.72	0.72	0.72
Morningstar US REIT	3.21	3.10	3.00	2.90	2.79	2.69	2.58	2.48	2.38	2.27	2.17	2.06	2.00	2.00	2.00
Morningstar Dev Mkts ex-US	27.81	27.40	26.88	26.18	24.70	22.11	18.75	15.46	12.89	11.03	9.60	8.56	8.05	8.05	8.05
Morningstar Emerging Mkts	12.26	11.52	10.77	9.98	8.95	7.61	6.12	4.77	3.76	3.04	2.49	2.09	1.89	1.89	1.89
<b>Bonds %</b>	<b>7.00</b>	<b>7.06</b>	<b>7.45</b>	<b>8.19</b>	<b>11.17</b>	<b>17.36</b>	<b>25.44</b>	<b>32.65</b>	<b>37.08</b>	<b>39.00</b>	<b>39.35</b>	<b>38.36</b>	<b>37.35</b>	<b>37.35</b>	<b>37.35</b>
U.S. %	5.55	5.66	6.04	6.69	9.13	14.20	20.83	26.73	30.37	31.95	32.22	31.40	30.55	30.55	30.55
Non-U.S. %	1.45	1.40	1.41	1.50	2.04	3.16	4.62	5.91	6.71	7.05	7.12	6.96	6.80	6.80	6.80
Long-Term Bonds	3.89	3.79	3.57	3.51	4.30	5.97	7.90	8.90	8.48	6.95	4.68	1.87	0.00	0.00	0.00
Intermediate-Term Bonds	1.19	1.34	1.77	2.28	3.46	5.90	9.27	12.79	15.69	17.92	19.75	21.17	21.90	21.90	21.90
Short-Term Bonds	0.47	0.53	0.70	0.90	1.37	2.33	3.66	5.05	6.19	7.07	7.79	8.36	8.65	8.65	8.65
Morningstar Gbl Ex US Govt Bond	0.49	0.48	0.48	0.51	0.70	1.08	1.57	2.02	2.29	2.41	2.43	2.38	2.32	2.32	2.32
Morningstar EM Sovereign Bond	0.95	0.92	0.93	0.99	1.35	2.08	3.04	3.90	4.42	4.65	4.69	4.59	4.48	4.48	4.48
<b>Inflation Hedge %</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.12</b>	<b>0.58</b>	<b>1.65</b>	<b>3.64</b>	<b>6.45</b>	<b>9.64</b>	<b>12.97</b>	<b>16.41</b>	<b>19.84</b>	<b>21.90</b>	<b>21.90</b>	<b>21.90</b>
Commodities	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Long-Term TIPS	0.00	0.00	0.00	0.12	0.58	1.65	3.64	5.78	6.97	7.13	6.18	4.04	2.19	2.19	2.19
Short-Term TIPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	2.67	5.83	10.22	15.79	19.71	19.71	19.71
<b>Cash %</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.03</b>	<b>0.14</b>	<b>0.39</b>	<b>0.86</b>	<b>1.53</b>	<b>2.28</b>	<b>3.07</b>	<b>3.89</b>	<b>4.70</b>	<b>5.19</b>	<b>5.19</b>	<b>5.19</b>
<b>Total %</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

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# Morningstar® Lifetime Allocation Indexes

## Conservative Summary Allocations

As of June 20, 2022

Target Retirement Year:	2065	2060	2055	2050	2045	2040	2035	2030	2025	2020	2015	2010	2005	2000	Income
<b>Stocks %</b>	<b>84.92</b>	<b>84.37</b>	<b>82.54</b>	<b>78.50</b>	<b>69.82</b>	<b>58.59</b>	<b>47.96</b>	<b>40.00</b>	<b>34.19</b>	<b>29.42</b>	<b>25.67</b>	<b>23.37</b>	<b>22.61</b>	<b>22.61</b>	<b>22.61</b>
U.S. %	48.50	49.28	49.32	47.99	43.70	37.58	31.53	26.92	23.53	20.69	18.42	17.09	16.70	16.70	16.70
Non-U.S. %	36.43	35.08	33.22	30.51	26.11	21.01	16.43	13.08	10.66	8.73	7.25	6.29	5.91	5.91	5.91
Morningstar Large Value	9.04	9.36	9.53	9.42	8.68	7.52	6.34	5.44	4.79	4.24	3.81	3.59	3.54	3.54	3.54
Morningstar Large Core	8.06	8.35	8.50	8.40	7.74	6.70	5.65	4.85	4.27	3.78	3.40	3.20	3.16	3.16	3.16
Morningstar Large Growth	7.33	7.59	7.73	7.64	7.03	6.09	5.14	4.41	3.88	3.44	3.09	2.91	2.87	2.87	2.87
Morningstar Mid Value	3.87	4.01	4.08	4.04	3.72	3.22	2.72	2.33	2.05	1.82	1.63	1.54	1.52	1.52	1.52
Morningstar Mid Core	3.46	3.58	3.64	3.60	3.32	2.87	2.42	2.08	1.83	1.62	1.46	1.37	1.35	1.35	1.35
Morningstar Mid Growth	3.14	3.25	3.31	3.27	3.01	2.61	2.20	1.89	1.66	1.47	1.33	1.25	1.23	1.23	1.23
Morningstar Small Value	3.85	3.74	3.56	3.28	2.81	2.26	1.76	1.39	1.12	0.90	0.73	0.61	0.56	0.56	0.56
Morningstar Small Core	3.43	3.33	3.17	2.93	2.51	2.01	1.57	1.24	0.99	0.80	0.65	0.55	0.50	0.50	0.50
Morningstar Small Growth	3.12	3.03	2.89	2.66	2.28	1.83	1.42	1.12	0.90	0.73	0.59	0.50	0.46	0.46	0.46
Morningstar US REIT	3.19	3.05	2.90	2.75	2.61	2.46	2.32	2.17	2.03	1.88	1.73	1.59	1.50	1.50	1.50
Morningstar Dev Mkts ex-US	25.28	24.70	23.72	22.09	19.17	15.63	12.39	9.99	8.25	6.85	5.76	5.05	4.79	4.79	4.79
Morningstar Emerging Mkts	11.15	10.38	9.50	8.42	6.95	5.38	4.04	3.09	2.41	1.89	1.49	1.23	1.12	1.12	1.12
<b>Bonds %</b>	<b>15.08</b>	<b>15.63</b>	<b>17.46</b>	<b>21.13</b>	<b>28.36</b>	<b>37.07</b>	<b>44.23</b>	<b>48.22</b>	<b>49.79</b>	<b>50.01</b>	<b>49.03</b>	<b>46.74</b>	<b>44.85</b>	<b>44.85</b>	<b>44.85</b>
U.S. %	11.96	12.54	14.16	17.25	23.17	30.32	36.20	39.49	40.79	40.97	40.16	38.25	36.69	36.69	36.69
Non-U.S. %	3.11	3.09	3.30	3.88	5.18	6.75	8.03	8.73	9.01	9.04	8.88	8.48	8.16	8.16	8.16
Long-Term Bonds	8.37	8.39	8.38	9.06	10.91	12.75	13.73	13.14	11.39	8.91	5.83	2.28	0.00	0.00	0.00
Intermediate-Term Bonds	2.57	2.98	4.15	5.88	8.79	12.60	16.11	18.89	21.07	22.98	24.61	25.79	26.31	26.31	26.31
Short-Term Bonds	1.02	1.17	1.64	2.32	3.47	4.97	6.36	7.46	8.32	9.07	9.71	10.18	10.38	10.38	10.38
Morningstar Gbl Ex US Govt Bond	0.94	0.94	1.02	1.21	1.63	2.15	2.59	2.84	2.96	3.01	2.98	2.88	2.79	2.79	2.79
Morningstar EM Sovereign Bond	2.18	2.15	2.28	2.67	3.55	4.60	5.44	5.89	6.04	6.04	5.89	5.60	5.38	5.38	5.38
<b>Inflation Hedge %</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.30</b>	<b>1.48</b>	<b>3.51</b>	<b>6.32</b>	<b>9.52</b>	<b>12.95</b>	<b>16.63</b>	<b>20.45</b>	<b>24.17</b>	<b>26.31</b>	<b>26.31</b>	<b>26.31</b>
Commodities	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Long-Term TIPS	0.00	0.00	0.00	0.30	1.48	3.51	6.32	8.53	9.36	9.15	7.71	4.93	2.63	2.63	2.63
Short-Term TIPS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	3.59	7.48	12.74	19.24	23.68	23.68	23.68
<b>Cash %</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.07</b>	<b>0.35</b>	<b>0.83</b>	<b>1.50</b>	<b>2.26</b>	<b>3.07</b>	<b>3.94</b>	<b>4.84</b>	<b>5.72</b>	<b>6.23</b>	<b>6.23</b>	<b>6.23</b>
<b>Total %</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

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