Forecasted deaths (grey) vs actual deaths (blue) Female, February 2007 to January 2011 1-4 5-9 12.5 -25 -10.0 -20 -7.5 **-**7.5 -15 -5.0 -5.0 -10 2.5 -5 -2.5 0.0 -0 -10-14 15-19 20-24 12.5 -15 -6 -10.0 -10-4 -7.5 **-**5.0 2 -25-29 30-34 35-39 15 **-**7.5 -15 -10 -5.0 -2.5 0.0 0 -50-54 40-44 45-49 30 -40 -30 -20 20 10 -10-0 -0 -0 -55-59 60-64 65-69 100 -60 -75 **-**40 50 20 -25 -25 -0 -0 -0 -70-74 80-84 75-79 150 100 200 100 -50 -100 -50 -0 0 0 85-89 90-94 95+ 300 -150 **-**300 -200 -200 -100 -100 -100 -50 -0 **- .** 2007 0 **-**2007 0 **-**2007 2008 2009 2010 2011 2008 2009 2010 2011 2008 2009 2010 2011

Forecasted deaths (grey) vs actual deaths (blue) Male, February 2007 to January 2011 1-4 5-9 7.5 **-**7.5 **-**20 -5.0 -5.0 -10 2.5 2.5 0 -0.0 10-14 15-19 20-24 25 25 6 -20 -20 4 -15 **-**15 10 0 -0 25-29 30-34 35-39 20 -20 -20 15 -15 **-**10 10 5 -0 -0 -0 45-49 40-44 50-54 50 -60 30 -40 -20 20 -20 10 -10 -0 -0 -0 55-59 60-64 65-69 80 -60 -60 40 50 **-**20 -30 -0 -0 -70-74 80-84 75-79 250 150 -200 200 150 100 -100 -100 50 -50 -0 -0 -0 85-89 90-94 95+ 150 50 250 **-**40 -200 -100 30 -150 **-**100 -50 -50 -10 -0 **- .** 2007 0 -2008 2007 2008 2009 2010 2011 2008 2010 2011 2009 2010 2011 2007

Forecasted deaths (grey) vs actual deaths (blue) Female, February 2008 to January 2012 1-4 5-9 20 -7.5 -7.5 **-**15 -5.0 -5.0 -10 5 -0 -0.0 10-14 20-24 15-19 12.5 6 -10.0 15 -4 -7.5 10 -5.0 2 -30-34 35-39 25-29 25 -25 -20 -20 -20 -15 **-**15 -15 -10 -10-0 -0 -0 -40-44 45-49 50-54 40 -30 -30 -20 20 20 -10 -10 -0 -0 -0 -55-59 60-64 65-69 100 -60 -75 -40 50 -50 -20 · 25 **-**25 **-**0 -0 -0 -70-74 80-84 75-79 150 200 100 100 -100 -50 -50 -0 -0 -85-89 90-94 95+ 150 -300 -200 100 -200 100 -100 -50 -0**-**2008 0**-**2008 0 -2009 2010 2009 2010 2012 2009 2011 2012 2011 2008 2012

Forecasted deaths (grey) vs actual deaths (blue) Male, February 2008 to January 2012 1-4 5-9 12.5 -10.0 -7.5 **-**20 -7.5 -5.0 -5.0 -10 2.5 2.5 -0.0 0 -10-14 15-19 20-24 25 -25 -7.5 -20 -20 -15 -15 **-**5.0 -10 10 2.5 0 -0.0 0 -25-29 30-34 35-39 20 -15 -20 15 **-**10 10 10 5 -5 -0 -0 -0 -40-44 45-49 50-54 50 -30 -60 **-**40 -30 20 20 -10 -20 -10 -0 -0 -0 -55-59 60-64 65-69 120 -80 -90 -60 -60 -40 50 -30 -20 -0 -0 -0 70-74 75-79 80-84 200 -300 -150 -200 -150 -100 -100 -100 -50 -50 -0 -0 -0 -85-89 90-94 95+ 150 -50 -40 -200 -100 -30 -20 100 -50 -10 -0 **- .** 2008 0**-**2008 0 -2009 2010 2012 2009 2010 2012 2009 2011 2012 2011 2008

Forecasted deaths (grey) vs actual deaths (blue) Female, February 2009 to January 2013 1-4 5-9 20 -7.5 **-**7.5 -15 -5.0 -5.0 -10 2.5 5 -0 -0.0 10-14 15-19 20-24 12.5 -6 -10.0 -15**-**4 -7.5 -10 -5.0 0.0 25-29 30-34 25 -25 -20 -20 -20 -15 **-**15 -15 -10 -10-0 -0 -40-44 45-49 50-54 30 -30 -20 10 -10 -0 -0 -0 -55-59 60-64 65-69 100 -60 -75 **-**75 -40 -50 -20 -25 -25 -0 -0 -0 -70-74 75-79 80-84 150 150 200 100 100 -100 -50 -50 **-**0 -0 -0 -95+ 85-89 90-94 300 -150 **-**300 -200 -200 -100 -100 -100 -50 -0 **- .** 2009 0**-**2009 0 -2010 2010 2013 2010 2011 2012 2013 2011 2011 2012 2009 2013

Forecasted deaths (grey) vs actual deaths (blue) Male, February 2009 to January 2013 1-4 5-9 12.5 -10.0 -7.5 **-**20 -7.5 -5.0 -5.0 -10 -2.5 2.5 0.0 0 -10-14 15-19 20-24 20 -7.5 -20 -15 -5.0 -10 10 -0 -0.0 0 -25-29 30-34 35-39 20 -15 -20 15 10 10 0 -0 -0 -40-44 45-49 50-54 60 30 -40 30 40 20 -20 -20 -10 -10 -0 -0 -0 -55-59 60-64 65-69 80 -60 -60 -40 50 -30 -20 -0 -0 -70-74 75-79 80-84 200 -300 200 -150 -200 150 -100 -100 -100 -50 **-**50 -0 -0 -0 -85-89 90-94 95+ 150 -200 -40 100 -100 -50 -0 **- .** 2009 0**-**2009 0 -2009 2010 2011 2013 2010 2011 2013 2010 2012 2013 2012

Forecasted deaths (grey) vs actual deaths (blue) Female, February 2010 to January 2014 1-4 5-9 6 -20 -7.5 -15 -4 -5.0 -10 2 -2.5 5 -0 -0.0 10-14 15-19 20-24 12.5 -6 -10.0 -15 -4 -7.5 -10 -5.0 2 -30-34 25-29 35-39 25 -25 -20 -20 -20 -15 **-**15 -15 -10 -10-0 -40-44 45-49 50-54 30 . 20 -20 · 10 -10 -0 -0 -0 -55-59 60-64 65-69 60 **-**100 -75 -75 **-**40 -50 -50 -20 -25 -25 -0 -0 -0 -70-74 80-84 75-79 150 -200 100 100 -100 -50 -50 -0 0 0 90-94 95+ 85-89 150 -300 -200 100 -200 -100 -100 -50 -0 **- .** 2010 0**-**2010 0**-**2010 2011 2012 2014 2011 2012 2013 2014 2011 2012 2013 2014 2013

Forecasted deaths (grey) vs actual deaths (blue) Male, February 2010 to January 2014 1-4 5-9 12.5 -10.0 -7.5 **-**20 -7.5 -5.0 -5.0 -10-2.5 2.5 -0.0 0 -10-14 15-19 20-24 25 20 -7.5 -20 15 **-**15 **-**5.0 -10 -10 0 -0.0 0 -30-34 35-39 25-29 20 -15 -20 -15 **-**10 10 10 -5 -0 -0 -0 -40-44 45-49 50-54 60 -30 -40 30 40 20 -20 -20 -10-10 -0 -0 -0 -55-59 60-64 65-69 80 -150 **-**90 60 100 40 -60 -50 -20 -30 -0 -0 -0 -70-74 75-79 80-84 200 300 200 -150 -200 150 -100 100 -100 -50 -50 -0 -0 -0 -85-89 90-94 95+ 150 **-**200 40 100 -100 -50 -0 **- .** 2010 0**-**2010 0 -2010 2011 2012 2013 2014 2011 2012 2013 2014 2011 2013 2014

Forecasted deaths (grey) vs actual deaths (blue) Female, February 2011 to January 2015 1-4 5-9 6 -20 -7.5 -15 -5.0 -2.5 -5 0 -0.0 10-14 20-24 15-19 12.5 -6 -10.0 -15 4 -7.5 -10 -5.0 25-29 30-34 35-39 25 **-**25 -20 -20 -20 15 -15 **-**15 -10 -10-10 -0 -40-44 45-49 50-54 30 20 -40 10 -10 0 -0 -0 -55-59 60-64 65-69 60 **-**75 -40 -50 -60 -20 -25 -30 -0 -0 -0 -70-74 75-79 80-84 150 -200 -100 100 -100 -50 -50 -0 -0 0 85-89 90-94 95+ 300 -150 -300 -200 -100 -200 -100 -100 -50 -0 **- .** 2011 0 **- .** 2011 0 -2011 2012 2013 2015 2012 2013 2015 2012 2013 2014 2015 2014

Forecasted deaths (grey) vs actual deaths (blue) Male, February 2011 to January 2015 1-4 5-9 12.5 -10.0 -7.5 **-**20 -7.5 -5.0 -5.0 -10 -2.5 -0.0 -0 -0.0 10-14 15-19 20-24 25 20 -7.5 -20 15 -15 **-**5.0 -10 10 2.5 0 -0 -0.0 25-29 30-34 35-39 25 -20 -15 -15 -15 10 10 10 5 -5 -0 -0 -0 -40-44 45-49 50-54 30 -40 -60 **-**30 -20 -20 -10 -20 -10 -0 -0 -0 -55-59 60-64 65-69 80 -150 **-**90 60 100 60 -40 -50 -20 -30 -0 -0 -0 -70-74 75-79 80-84 300 -200 -150 -200 150 -100 -100 -100 -50 **-**50 -0 -0 0 -85-89 90-94 95+ 50 -150 **-**40 -200 100 -30 -20 -100 -50 **-**10 -0 **- .** 2011 0-0-, 2015 2012 2013 2015 2012 2013 2015 2012 2014 2011 2011

Forecasted deaths (grey) vs actual deaths (blue) Female, February 2012 to January 2016 1-4 5-9 6 -20 -7.5 15 **-**4 -5.0 -2 -0 -0.0 10-14 15-19 20-24 12.5 12.5 -6 -10.0 -10.0 -4 -7.5 -7.5 -5.0 5.0 25-29 30-34 35-39 12.5 -15 · 15 · 10.0 -10 -10 7.5 -5.0 0 -40-44 45-49 50-54 40 -50 -40 -30 · 20 -30 20 20 -10 · 10-0 -0 0 -55-59 60-64 65-69 120 80 -60 -90 60 40 60 40 -20 30 -20 · 0 -0 0 -70-74 75-79 80-84 250 -150 200 -100 150 -100 · 100 -50 -50 -50 -0 0 -0 -90-94 95+ 85-89 300 -150 -300 -200 -100 200 100 -50 -100 -0 **-**2012 0 **- .** 2012 0 **-**2012 2013 2016 2013 2015 2016 2013 2015 2016 2014 2014

Forecasted deaths (grey) vs actual deaths (blue) Male, February 2012 to January 2016 1-4 5-9 25 -20 -7.5 **-**7.5 -15 -5.0 -5.0 -10 5 -0.0 -0 -10-14 15-19 20-24 7.5 -15 -20 5.0 -10 10 0 -0.0 0 25-29 30-34 35-39 20 -20 -20 15 **-**15 **-**15 10 5 0 -0 -0 40-44 45-49 50-54 40 -30 -60 30 20 20 10 -20 10 -0 -0 -0 55-59 60-64 65-69 80 -150 -60 100 60 40 50 30 -20 -0 -0 -70-74 80-84 75-79 200 -150 200 150 **-**100 -100 -100 50 -50 **-**0 -0 -0 85-89 90-94 95+ 300 150 **-**200 100 100 -50 -0**-**2012 0 -2016 2016 2013 2014 2015 2016 2013 2014 2015 2013 2015 2012 2012

Forecasted deaths (grey) vs actual deaths (blue) Female, February 2013 to January 2017 1-4 5-9 6 -7.5 -15 **-**4 -5.0 -10 2 -2.5 0 -0.0 10-14 15-19 20-24 12.5 12.5 -6 -10.0 -10.0 -4 -7.5 -7.5 -5.0 -35-39 25-29 30-34 12.5 12.5 -15 10.0 -10.0 -10 -7.5 -7.5 -5.0 -5.0 5 -0.0 0 -0.0 40-44 45-49 50-54 25 -40 -50 -20 -40 30 · 15 30 20 10-20 -10 -5 -10-0 -0 -0 -55-59 60-64 65-69 60 **-**80 -40 -60 -40 -20 -30 -20 . 0 -0 0 -70-74 80-84 75-79 150 -200 -100 100 -100 -50 -50 · 0 0 0 -85-89 90-94 95+ 300 -150 **-**300 200 -100 -200 100 -100 -50 **-**0 **-**2013 0 **-** 2013 0 **-**2013 2014 2015 2017 2014 2015 2016 2017 2014 2015 2016 2017

Forecasted deaths (grey) vs actual deaths (blue) Male, February 2013 to January 2017 1-4 5-9 25 -20 -7.5 **-**7.5 -15 -5.0 -5.0 -10 -2.5 5 -0.0 -0 -10-14 15-19 20-24 7.5 -15 -20 -5.0 -10 2.5 0.0 0 -0 30-34 25-29 35-39 25 20 -20 -20 15 **-**15 **-**15 10 5 -5 -0 -0 0 -40-44 45-49 50-54 40 -30 -60 -30 20 -20 -10 -20 10 -0 -0 -0 55-59 60-64 65-69 150 -80 -100 -60 75 100 50 -40 50 20 -25 -0 -0 -70-74 75-79 80-84 200 150 200 150 **-**100 -100 -100 50 -50 -0 -0 -0 85-89 90-94 95+ 300 -60 -150 -200 100 100 -50 **-**0 **-** 2013 0 -2014 2015 2016 2017 2014 2015 2016 2017 2013 2014 2015 2016 2017 2013

Forecasted deaths (grey) vs actual deaths (blue) Female, February 2014 to January 2018 1-4 5-9 6 -7.5 15 **-**4 -5.0 -10 -2 -2.5 0 -10-14 15-19 20-24 12.5 -6 -10.0 -7.5 4 -7.5 -5.0 5.0 -2 -2.5 25-29 30-34 35-39 12.5 12.5 -10.0 -10.0 -15 -7.5 -7.5 -10 5.0 -5.0 0.0 0.0 0 -40-44 50-54 45-49 25 -40 -50 -20 -40 30 . 15 30 20 10 20 -10 · 5 -10-0 -0 -0 -55-59 60-64 65-69 80 -60 -60 60 -40 -20 -30 -20 . 0 -0 0 -70-74 75-79 80-84 200 -150 -200 100 -100 -50 -50 · 0 0 0 -85-89 90-94 95+ 300 -300 -150 **-**200 -200 100 -100 -100 -50 -0 **-**2014 0 **-** 2014 0 **-**2014 2015 2016 2018 2015 2016 2017 2018 2015 2017 2018

Forecasted deaths (grey) vs actual deaths (blue) Male, February 2014 to January 2018 1-4 5-9 6 -20 -7.5 -15 -5.0 -5 -0 -10-14 15-19 20-24 25 6 -20 15 **-**4 -15 2 -0 0 -25-29 30-34 35-39 20 -20 -20 15 **-**15 **-**15 10 10 10 5 -0 -0 0 -40-44 45-49 50-54 30 -40 -60 30 20 20 10 -20 10-0 -0 -0 55-59 60-64 65-69 150 80 -60 100 60 40 50 30 -20 -0 -0 -70-74 80-84 75-79 250 -200 -150 -150 -100 -100 -100 50 -50 **-**0 -0 -0 85-89 90-94 95+ 200 -300 -60 -150 **-**200 100 100 -20 50 -0 **- .** 2014 0 **-** 2014 0 -2015 2016 2017 2018 2015 2016 2017 2018 2015 2016 2017 2018 2014

Forecasted deaths (grey) vs actual deaths (blue) Female, February 2015 to January 2019 1-4 5-9 6 -7.5 **-**15 **-**4 -5.0 -10 -2 -2.5 -0 -10-14 15-19 20-24 12.5 -6 -7.5 -10.0 -4 -7.5 -5.0 -5.0 2 -25-29 30-34 35-39 12.5 15**-**10.0 -15 -10-7.5 -10 5.0 5 -0.0 -0 -40-44 50-54 45-49 25 -40 -50 -20 -40 30 -15 30 20 -10-20 -10-5 -10 -0 -0 -0 -55-59 60-64 65-69 80 -60 -60 -40 60 -40 -20 -30 -20 -0 -0 -70-74 75-79 80-84 200 -150 -200 100 100 -100 -50 -50 -0 0 -0 -90-94 95+ 85-89 200 -300 -300 -150 -200 -200 100 -100 -100 -50 -0 **-**2015 0 **-** 2015 0 **-**2015 2016 2017 2019 2016 2017 2018 2019 2016 2018 2019

Forecasted deaths (grey) vs actual deaths (blue) Male, February 2015 to January 2019 1-4 5-9 6 -20 -7.5 -15 -5.0 -10 5 -0 -10-14 15-19 20-24 25 7.5 -20 15 **-**15 5.0 -10 2.5 5 0 0.0 0 -25-29 35-39 30-34 20 -20 -20 15 **-**15 **-**15 10 10 5 5 -0 -0 -0 40-44 45-49 50-54 30 -60 40 -30 20 20 -10-20 10-0 -0 -0 55-59 60-64 65-69 150 75 **-**100 50 -60 -50 25 **-**30 -0 -0 70-74 75-79 80-84 300 200 -200 150 -200 100 -100 -100 50 -0 -0 0 85-89 90-94 95+ 80 200 -300 -60 -150 200 -100 -100 -50 -20 0 **-**2015 0 -0 -2019 2018 2016 2017 2018 2019 2016 2017 2018 2016 2019 2015 2015

Forecasted deaths (grey) vs actual deaths (blue) Female, February 2016 to January 2020 1-4 5-9 6 -15 **-**7.5 **-**4 -5.0 -10 -2 -2.5 -0 -0.0 -10-14 15-19 20-24 12.5 -12.5 6 -10.0 -10.0 -4 -7.5 **-**7.5 -5.0 -2 -2.5 -30-34 25-29 35-39 12.5 15**-**10.0 -15 -10-7.5 -10 -5.0 5 -0.0 -0 -0 -50-54 40-44 45-49 25 50 -20 -30 40 15 -30 20 10 -20 -10 -5 -10 -0 -0 -0 -55-59 60-64 65-69 120 -60 -75 **-**90 50 -40 -60 -20 -25 -30 -0 -0 -0 -70-74 80-84 75-79 200 -150 **-**200 -150 -100 100 -100 -50 **-**50 **-**0 0 -0 85-89 90-94 95+ 200 -300 -300 -150 -200 -200 100 100 -100 -50 -0 **- .** 2016 0 **-**2016 0 -2017 2018 2020 2017 2018 2019 2020 2017 2018 2019 2020 2016

Forecasted deaths (grey) vs actual deaths (blue) Male, February 2016 to January 2020 1-4 5-9 6 -20 -7.5 **-**15 -4 -5.0 -10 5 -0 -10-14 15-19 20-24 15 -20 -7.5 -15 10 -5.0 -2.5 0.0 0 -0 25-29 30-34 35-39 25 -20 -20 -20 -15 -15 **-**15 10 10 5 5 -0 -0 -0 40-44 50-54 45-49 60 40 -20 -30 40 20 -10 20 10-0 -0 -0 55-59 60-64 65-69 150 75 -100 50 -60 -50 25 **-**30 -0 -0 -0 70-74 75-79 80-84 300 -200 **-**200 150 -200 100 -100 -100 50 **-**0 -0 0 85-89 90-94 95+ 300 200 -80 -150 -60 -200 100 -100 -50 -20 0**-**2016 0 -0 -2020 2017 2018 2020 2017 2018 2019 2017 2018 2019 2020 2019 2016 2016