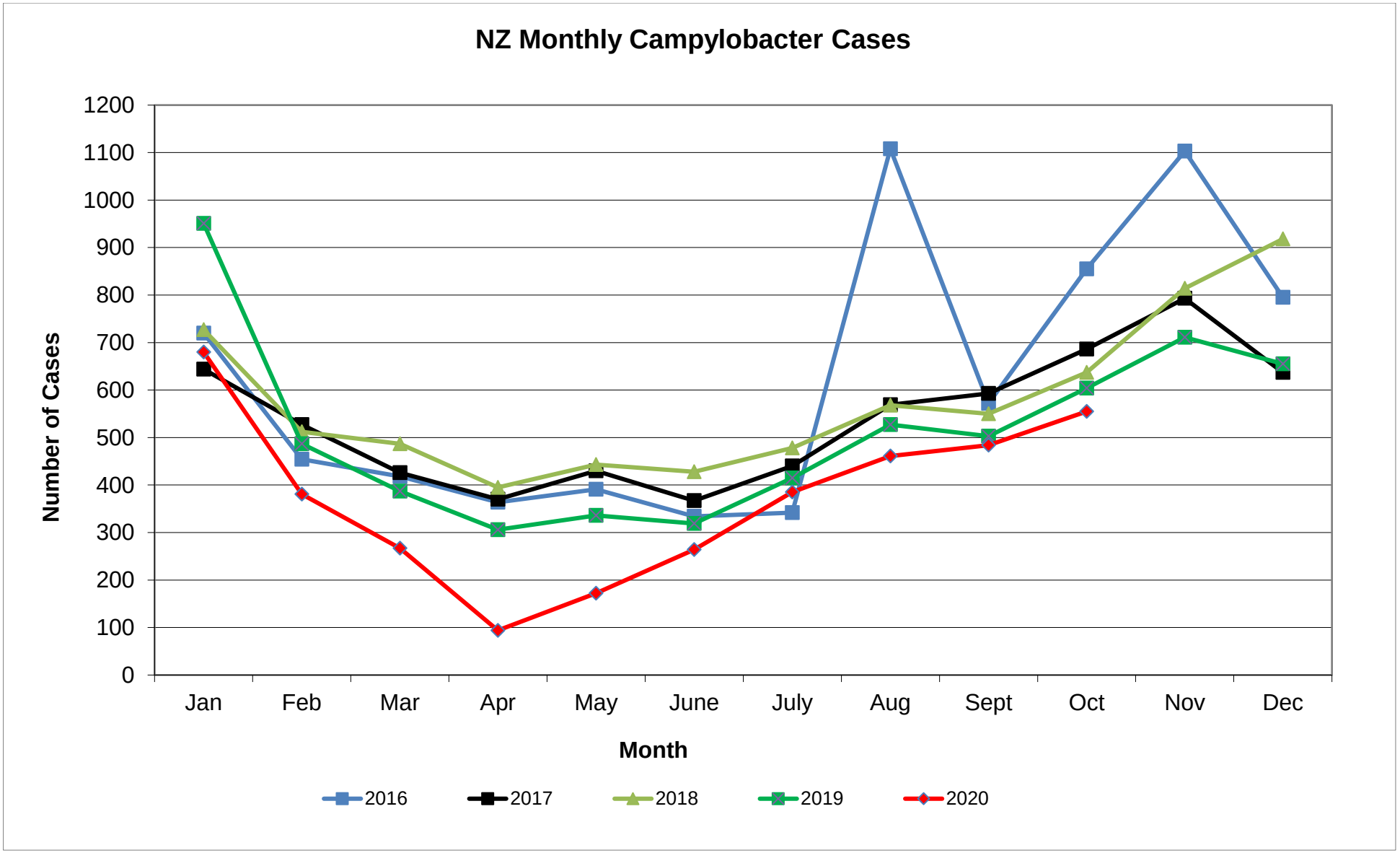
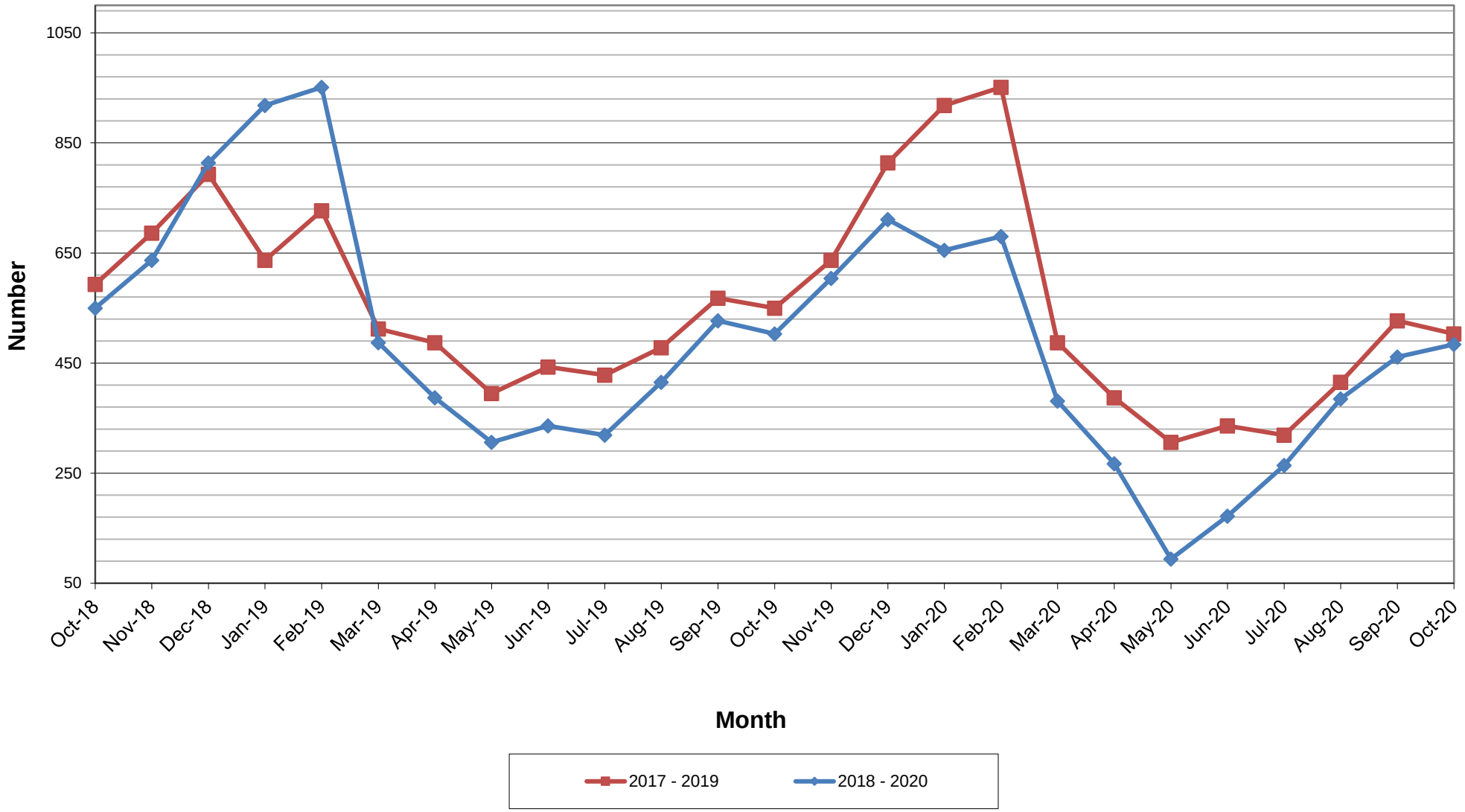
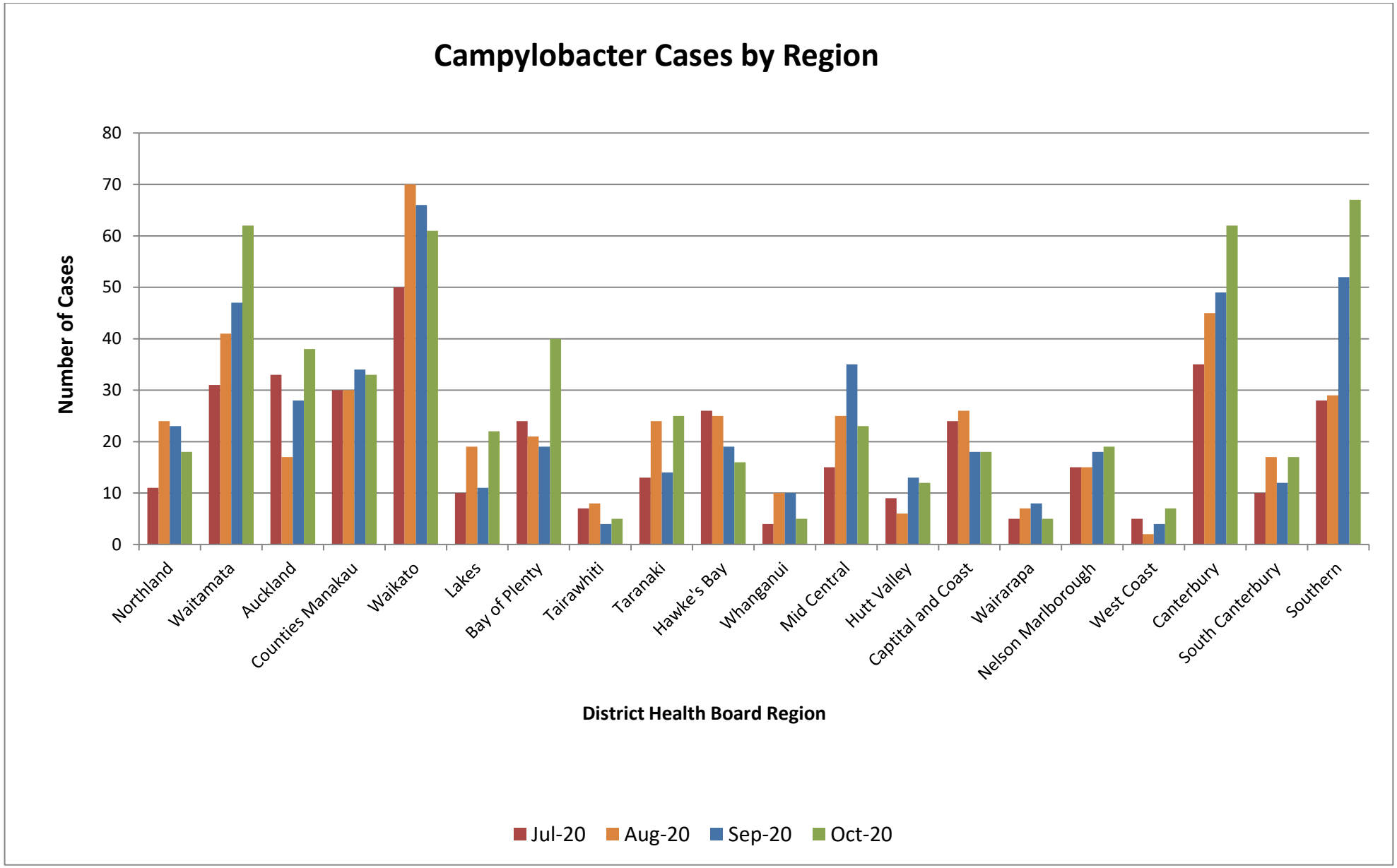
Month	Campylobacter Cases	Month	Campylobacter cases	Percentage Change
Oct-18	637	Oct-17	686	-7.14
Nov-18	814	Nov-17	793	2.65
Dec-18	918	Dec-17	637	44.11
Jan-19	951	Jan-18	727	30.81
Feb-19	487	Feb-18	512	-4.88
Mar-19	387	Mar-18	487	-20.53
Apr-19	306	Apr-18	395	-22.53
May-19	336	May-18	443	-24.15
Jun-19	319	Jun-18	428	-25.47
Jul-19	415	Jul-18	478	-13.18
Aug-19	527	Aug-18	568	-7.22
Sep-19	503	Sep-18	550	-8.55
Oct-19	604	Oct-18	637	-5.18
Nov-19	711	Nov-18	814	-12.65
Dec-19	655	Dec-18	918	-28.65
Jan-20	680	Jan-19	951	-28.50
Feb-20	381	Feb-19	487	-21.77
Mar-20	267	Mar-19	387	-31.01
Apr-20	94	Apr-19	306	-69.28
May-20	172	May-19	336	-48.81
Jun-20	264	Jun-19	319	-17.24
Jul-20	385	Jul-19	415	-7.23
Aug-20	461	Aug-19	527	-12.52
Sep-20	484	Sep-19	503	-3.78
Oct-20	555	Oct-19	604	-8.11
Total (last 12 months)	5109	Total (last 12 months)	6567	-22.20
Total (2019)	6201	Total (2018)	6957	-10.87
Total (2018)	6957	Total (2017)	6482	7.33
Total (2017)	6482	Total (2016)	7456	-13.06
Total (2016)	7456	Total (2015)	6218	19.91
Total (2015)	6218	Total (2014)	6782	-8.32
Total (2014)	6782	Total (2013)	6837	-0.80
Total (2013)	6837	Total (2012)	7021	-2.62
Total (2012)	7021	Total (2011)	6685	5.03

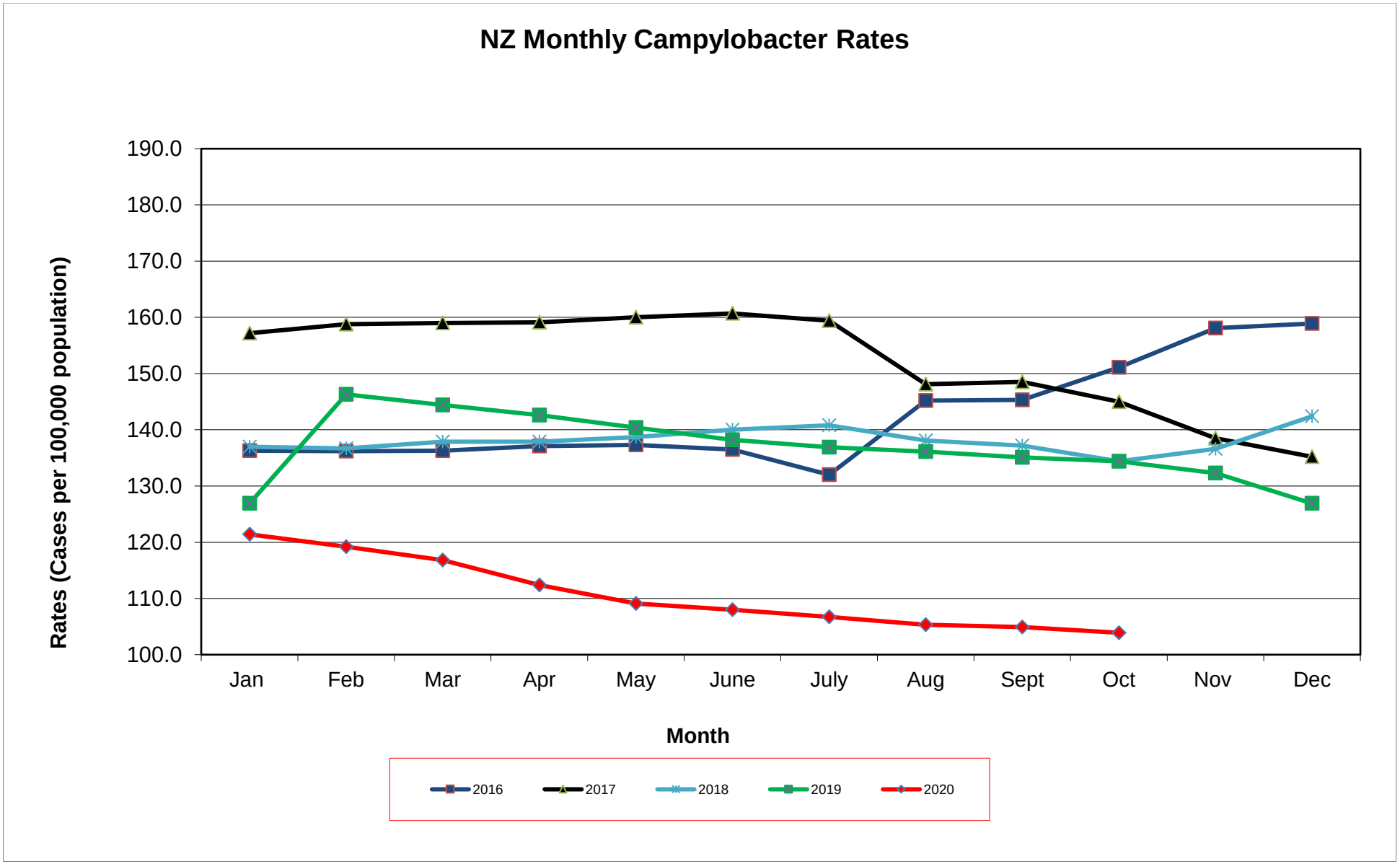

NZ Monthly Campylobacter Cases
Number of Cases
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
Jan
Feb
Mar
Apr
May
June
July
Aug
Sept
Oct
Nov
Dec
Month
2016
2017
2018
2019
2020

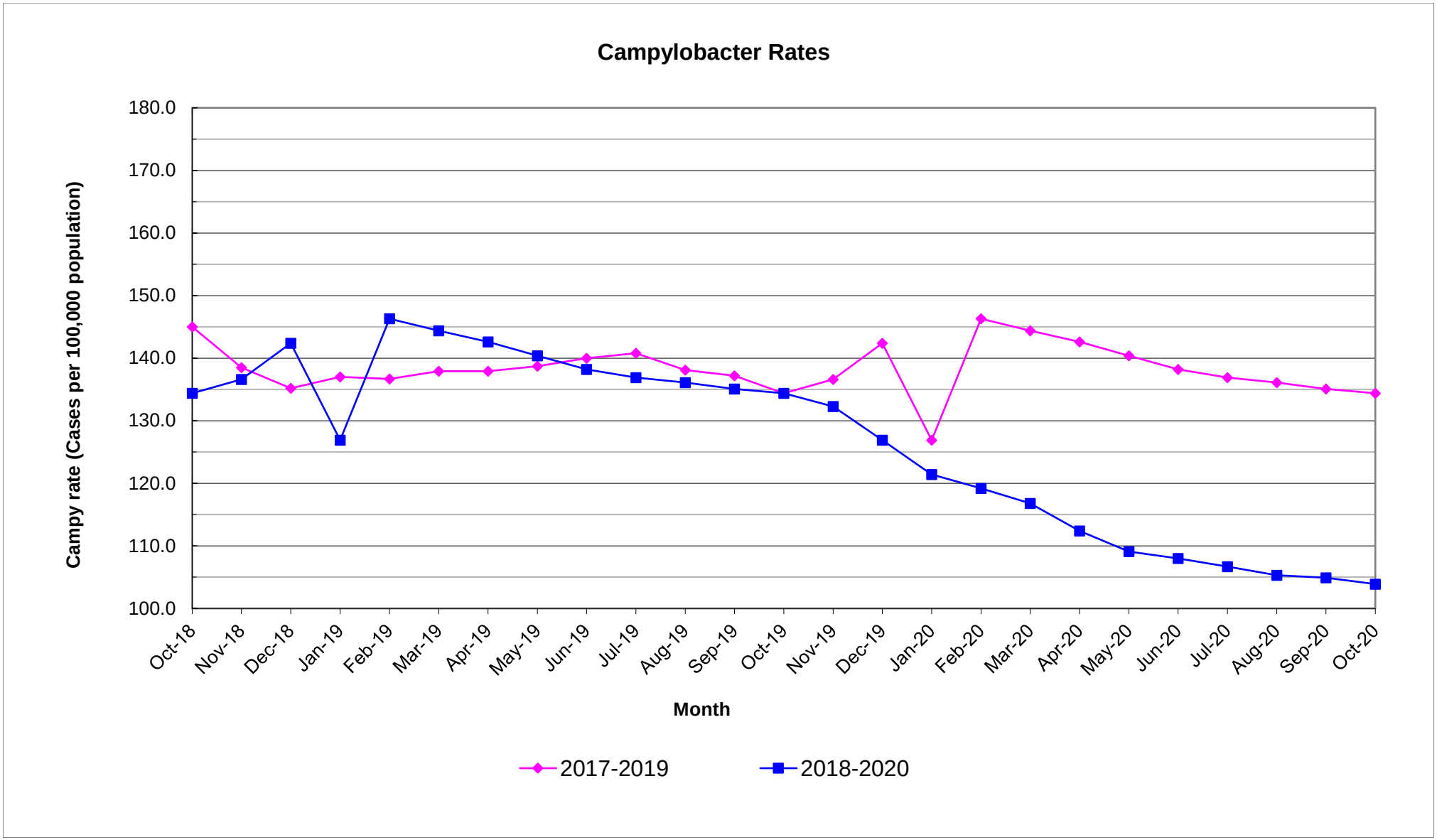
Campylobacter Cases

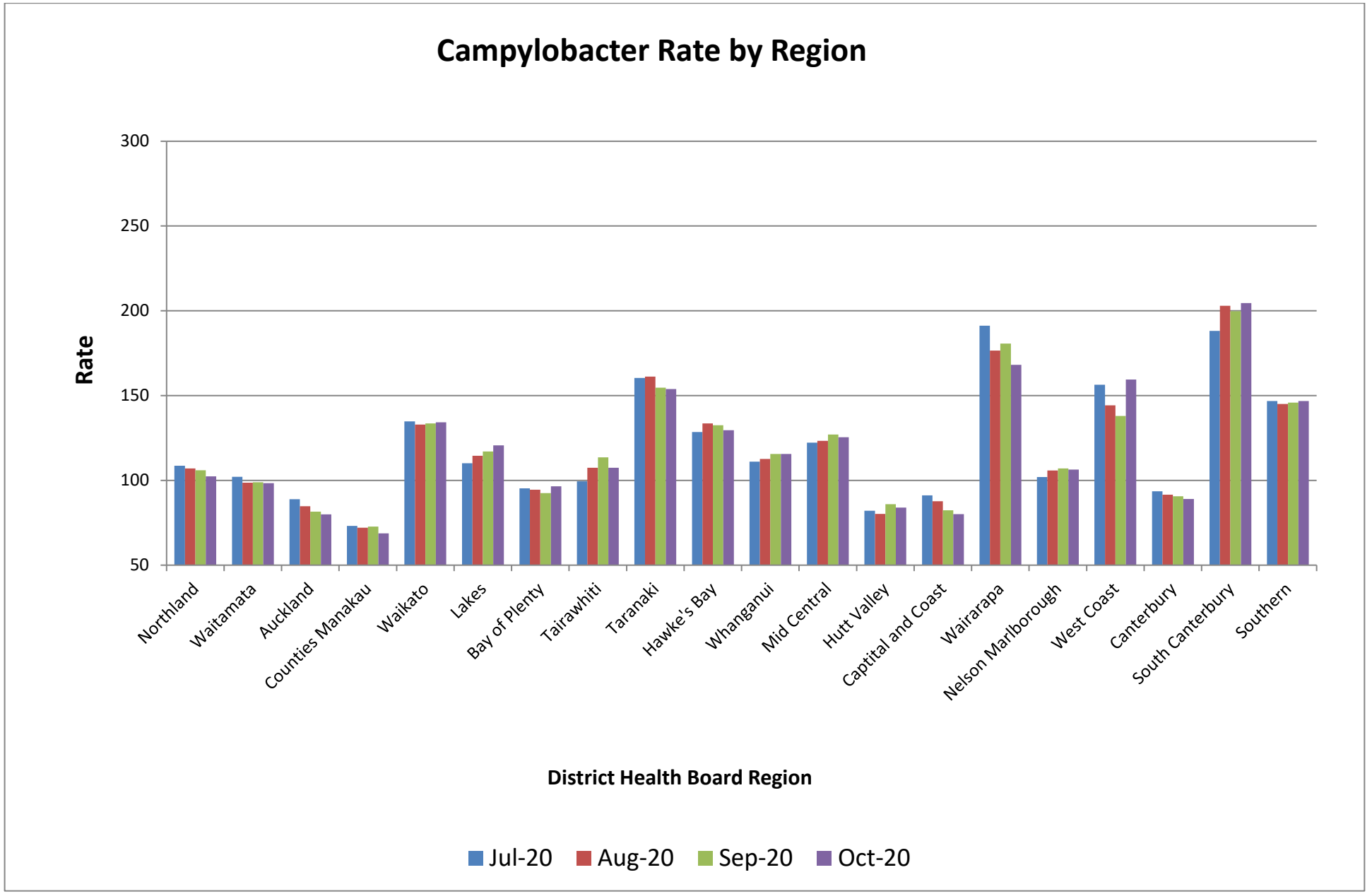



Campylobacter Cases by Region
Number of Cases
80
70
60
50
40
30
20
10
0
Northland
Waitamata
Auckland
Counties Manakau
Waikato
Lakes
Bay of Plenty
Tairawhiti
Taranaki
Hawke's Bay
Whanganui
Mid Central
Hutt Valley
Captital and Coast
Wairarapa
Nelson Marlborough
West Coast
Canterbury
South Canterbury
Southern
District Health Board Region
Jul-20
Aug-20
Sep-20
Oct-20

Month	Campylobacter Rates	Month	Campylobacter Rates	Percentage Change
Oct-18	134.4	Oct-17	145.0	-7.3
Nov-18	136.6	Nov-17	138.5	-1.4
Dec-18	142.4	Dec-17	135.2	5.3
Jan-19	126.9	Jan-18	137.0	-7.4
Feb-19	146.3	Feb-18	136.7	7.0
Mar-19	144.4	Mar-18	137.9	4.7
Apr-19	142.6	Apr-18	137.9	3.4
May-19	140.4	May-18	138.7	1.2
Jun-19	138.2	Jun-18	140.0	-1.3
Jul-19	136.9	Jul-18	140.8	-2.8
Aug-19	136.1	Aug-18	138.1	-1.4
Sep-19	135.1	Sep-18	137.2	-1.5
Oct-19	134.4	Oct-18	134.4	0.0
Nov-19	132.3	Nov-18	136.6	-3.1
Dec-19	126.9	Dec-18	142.4	-10.9
Jan-20	121.4	Jan-19	126.9	-4.3
Feb-20	119.2	Feb-19	146.3	-18.5
Mar-20	116.8	Mar-19	144.4	-19.1
Apr-20	112.4	Apr-19	142.6	-21.2
May-20	109.1	May-19	140.4	-22.3
Jun-20	108.0	Jun-19	138.2	-21.9
Jul-20	106.7	Jul-19	136.9	-22.1
Aug-20	105.3	Aug-19	136.1	-22.6
Sep-20	104.9	Sep-19	135.1	-22.4
Oct-20	103.9	Oct-19	134.4	-22.7
Average (last 12 months)	113.9	Average (last 12 months)	138.4	-17.7
Average (2019)	136.7	Average (2018)	138.1	-1.0
Average (2018)	138.1	Average (2017)	152.5	-9.4
Average (2017)	152.5	Average (2016)	142.5	7.0
Average (2016)	142.5	Average (2015)	141.6	0.7
Average (2015)	141.6	Average (2014)	154.3	-8.3
Average (2014)	154.3	Average (2013)	146.5	5.4
Average (2013)	146.5	Average (2012)	165.6	-11.5
Average (2012	165.6	Average (2011)	151.6	9.2


NZ Monthly Campylobacter Rates
Rates (Cases per 100,000 population)
190.0
180.0
170.0
160.0
150.0
140.0
130.0
120.0
110.0
100.0
Jan
Feb
Mar
Apr
May
June
July
Aug
Sept
Oct
Nov
Dec
Month
2016
2017
2018
2019
2020


Campylobacter Rates
Campy rate (Cases per 100,000 population)
180.0
170.0
160.0
150.0
140.0
130.0
120.0
110.0
100.0
Oct-18
Nov-18
Dec-18
Jan-19
Feb-19
Mar-19
Apr-19
May-19
Jun-19
Jul-19
Aug-19
Sep-19
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Month
2017-2019
2018-2020


Campylobacter Rate by Region
Rate
300
250
200
150
100
50
Northland
Waitamata
Auckland
Counties Manakau
Waikato
Lakes
Bay of Plenty
Tairawhiti
Taranaki
Hawke's Bay
Whanganui
Mid Central
Hutt Valley
Captital and Coast
Wairarapa
Nelson Marlborough
West Coast
Canterbury
South Canterbury
Southern
District Health Board Region
Jul-20
Aug-20
Sep-20
Oct-20