

Appendix 2

Summary Statistical Data A-BEST Simulations

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Ebola Tyngsborough

TOTAL # Infected	
Mean	2.95
SD	0.83
SEM	0.06
N	200
90% CI	2.85 to 3.05
95% CI	2.83 to 3.07
99% CI	2.80 to 3.10
Minimum	2
Median	3
Maximum	5
Mode	3

Total # Deaths	
Mean	1.55
SD	0.86
SEM	0.06
N	200
90% CI	1.45 to 1.64
95% CI	1.43 to 1.66
99% CI	1.39 to 1.70
Minimum	0
Median	1
Maximum	4
Mode	1

# of Infected HH	
Mean	1.92
SD	0.79
SEM	0.06
N	200
90% CI	1.82 to 2.01
95% CI	1.81 to 2.02
99% CI	1.77 to 2.06
Minimum	1
Median	2
Maximum	4
Mode	2

Total # Deaths HH	
Mean	1.52
SD	0.81
SEM	0.06
N	200
90% CI	1.42 to 1.61
95% CI	1.40 to 1.63
99% CI	1.37 to 1.66
Minimum	0
Median	1
Maximum	4
Mode	1

# of Infected Work	
Mean	1.04
SD	0.18
SEM	0.01
N	200
90% CI	1.01 to 1.06
95% CI	1.01 to 1.06
99% CI	1.00 to 1.07
Minimum	1
Median	1
Maximum	2
Mode	1

Total # Deaths Work	
Mean	0.03
SD	0.17
SEM	0.01
N	200
90% CI	0.01 to 0.05
95% CI	0.01 to 0.05
99% CI	0.00 to 0.06
Minimum	0
Median	0
Maximum	1
Mode	0

*HH = Household.

Ebola - Peterborough

TOTAL # Infected	
Mean	3.07
SD	0.96
SEM	0.07
N	200
90% CI	2.95 to 3.18
95% CI	2.93 to 3.20
99% CI	2.89 to 3.24
Minimum	2
Median	3
Maximum	6
Mode	3

Total # Deaths	
Mean	1.71
SD	0.94
SEM	0.07
N	200
90% CI	1.60 to 1.82
95% CI	1.58 to 1.84
99% CI	1.54 to 1.88
Minimum	0
Median	2
Maximum	5
Mode	1

# of Infected HH	
Mean	1.82
SD	0.76
SEM	0.05
N	200
90% CI	1.73 to 1.90
95% CI	1.71 to 1.92
99% CI	1.68 to 1.95
Minimum	1
Median	2
Maximum	4
Mode	2

Total # Deaths HH	
Mean	1.52
SD	0.78
SEM	0.05
N	200
90% CI	1.42 to 1.61
95% CI	1.41 to 1.62
99% CI	1.37 to 1.66
Minimum	0
Median	1
Maximum	4
Mode	1

# of Infected Work	
Mean	1.25
SD	0.51
SEM	0.04
N	200
90% CI	1.19 to 1.31
95% CI	1.18 to 1.32
99% CI	1.16 to 1.34
Minimum	1
Median	1
Maximum	4
Mode	1

Total # Deaths Work	
Mean	0.2
SD	0.47
SEM	0.03
N	200
90% CI	0.14 to 0.25
95% CI	0.13 to 0.26
99% CI	0.11 to 0.28
Minimum	0
Median	0
Maximum	3
Mode	0

*HH = Household

Ebola –Boston-BUMC

TOTAL # Infected	
Mean	3.76
SD	1.28
SEM	0.09
N	200
90% CI	3.61 to 3.91
95% CI	3.58 to 3.94
99% CI	3.52 to 4.00
Minimum	2
Median	4
Maximum	8
Mode	4

Total # Deaths	
Mean	2.17
SD	1.21
SEM	0.09
N	200
90% CI	2.02 to 2.31
95% CI	2.00 to 2.33
99% CI	1.94 to 2.39
Minimum	0
Median	2
Maximum	6
Mode	2

# of Infected HH	
Mean	1.94
SD	0.82
SEM	0.06
N	200
90% CI	1.84 to 2.03
95% CI	1.82 to 2.05
99% CI	1.78 to 2.09
Minimum	1
Median	2
Maximum	4
Mode	2

Total # Deaths HH	
Mean	1.47
SD	0.82
SEM	0.06
N	200
90% CI	1.37 to 1.56
95% CI	1.35 to 1.58
99% CI	1.31 to 1.62
Minimum	0
Median	1
Maximum	4
Mode	1

# of Infected Work	
Mean	1.82
SD	0.92
SEM	0.06
N	200
90% CI	1.71 to 1.93
95% CI	1.69 to 1.95
99% CI	1.65 to 1.99
Minimum	1
Median	2
Maximum	5
Mode	1

Total # Deaths Work	
Mean	0.7
SD	0.84
SEM	0.06
N	200
90% CI	0.60 to 0.80
95% CI	0.58 to 0.82
99% CI	0.54 to 0.86
Minimum	0
Median	1
Maximum	4
Mode	0

*HH = Household.

Ebola –Boston-BUMC

TOTAL # Infected	
Mean	3.76
SD	1.28
SEM	0.09
N	200
90% CI	3.61 to 3.91
95% CI	3.58 to 3.94
99% CI	3.52 to 4.00
Minimum	2
Median	4
Maximum	8
Mode	4

Total # Deaths	
Mean	2.17
SD	1.21
SEM	0.09
N	200
90% CI	2.02 to 2.31
95% CI	2.00 to 2.33
99% CI	1.94 to 2.39
Minimum	0
Median	2
Maximum	6
Mode	2

# of Infected HH	
Mean	1.94
SD	0.82
SEM	0.06
N	200
90% CI	1.84 to 2.03
95% CI	1.82 to 2.05
99% CI	1.78 to 2.09
Minimum	1
Median	2
Maximum	4
Mode	2

Total # Deaths HH	
Mean	1.47
SD	0.82
SEM	0.06
N	200
90% CI	1.37 to 1.56
95% CI	1.35 to 1.58
99% CI	1.31 to 1.62
Minimum	0
Median	1
Maximum	4
Mode	1

# of Infected Work	
Mean	1.82
SD	0.92
SEM	0.06
N	200
90% CI	1.71 to 1.93
95% CI	1.69 to 1.95
99% CI	1.65 to 1.99
Minimum	1
Median	2
Maximum	5
Mode	1

Total # Deaths Work	
Mean	0.7
SD	0.84
SEM	0.06
N	200
90% CI	0.60 to 0.80
95% CI	0.58 to 0.82
99% CI	0.54 to 0.86
Minimum	0
Median	1
Maximum	4
Mode	0

*HH = Household.

Sabia -Tyngsborough

TOTAL # Infected	
Mean	3.43
SD	0.61
SEM	0.04
N	200
90% CI	3.36 to 3.50
95% CI	3.35 to 3.51
99% CI	3.32 to 3.54
Minimum	3
Median	3
Maximum	5
Mode	3

Total # Deaths	
Mean	0
SD	0
SEM	0
N	200
90% CI	0
95% CI	0
99% CI	0
Minimum	0
Median	0
Maximum	0
Mode	0

# of Infected HH	
Mean	0.43
SD	0.61
SEM	0.04
N	200
90% CI	0.36 to 0.50
95% CI	0.35 to 0.51
99% CI	0.32 to 0.54
Minimum	0
Median	0
Maximum	2
Mode	0

Total # Deaths HH	
Mean	0
SD	0
SEM	0
N	200
90% CI	0
95% CI	0
99% CI	0
Minimum	0
Median	0
Maximum	0
Mode	0

# of Infected Work	
Mean	2.99
SD	0.21
SEM	0.02
N	200
90% CI	2.96 to 3.01
95% CI	2.96 to 3.01
99% CI	2.95 to 3.02
Minimum	0
Median	3
Maximum	3
Mode	3

Total # Deaths Work	
Mean	0
SD	0
SEM	0
N	200
90% CI	0
95% CI	0
99% CI	0
Minimum	0
Median	0
Maximum	0
Mode	0

Total # Infected Service	
Mean	0
SD	0
SEM	0
N	200
90% CI	0
95% CI	0
99% CI	0
Minimum	0
Median	0
Maximum	0
Mode	0

Total # Deaths Service	
Mean	0
SD	0
SEM	0
N	200
90% CI	0
95% CI	0
99% CI	0
Minimum	0
Median	0
Maximum	0
Mode	0

*HH = Household.

Sabia - Peterborough

TOTAL # Infected	
Mean	3.48
SD	0.63
SEM	0.04
N	200
90% CI	3.40 to 3.55
95% CI	3.39 to 3.56
99% CI	3.36 to 3.59
Minimum	3
Median	3
Maximum	5
Mode	3

Total # Deaths	
Mean	0
SD	0
SEM	0
N	200
90% CI	0.00 to 0.00
95% CI	0.00 to 0.00
99% CI	0.00 to 0.00
Minimum	0
Median	0
Maximum	0
Mode	0

# of Infected HH	
Mean	0.48
SD	0.63
SEM	0.04
N	200
90% CI	0.40 to 0.55
95% CI	0.39 to 0.56
99% CI	0.36 to 0.59
Minimum	0
Median	0
Maximum	2
Mode	0

Total # Deaths HH	
Mean	0
SD	0
SEM	0
N	200
90% CI	0.00 to 0.00
95% CI	0.00 to 0.00
99% CI	0.00 to 0.00
Minimum	0
Median	0
Maximum	0
Mode	0

# of Infected Work	
Mean	3
SD	0
SEM	0
N	200
90% CI	3.00 to 3.00
95% CI	3.00 to 3.00
99% CI	3.00 to 3.00
Minimum	3
Median	3
Maximum	3
Mode	3

Total # Deaths Work	
Mean	0
SD	0
SEM	0
N	200
90% CI	0.00 to 0.00
95% CI	0.00 to 0.00
99% CI	0.00 to 0.00
Minimum	0
Median	0
Maximum	0
Mode	0

Total # Infected Service	
Mean	0
SD	0
SEM	0
N	200
90% CI	0.00 to 0.00
95% CI	0.00 to 0.00
99% CI	0.00 to 0.00
Minimum	0
Median	0
Maximum	0
Mode	0

Total # Deaths Service	
Mean	0
SD	0
SEM	0
N	200
90% CI	0.00 to 0.00
95% CI	0.00 to 0.00
99% CI	0.00 to 0.00
Minimum	0
Median	0
Maximum	0
Mode	0

*HH = Household.

Sabia- Boston-BUMC

TOTAL # Infected	
Mean	7.09
SD	2.15
SEM	0.15
N	200
90% CI	6.83 to 7.34
95% CI	6.79 to 7.38
99% CI	6.69 to 7.48
Minimum	3
Median	7
Maximum	14
Mode	5

Total # Deaths	
Mean	0
SD	0
SEM	0
N	200
90% CI	0
95% CI	0
99% CI	0
Minimum	0
Median	0
Maximum	0
Mode	0

# of Infected HH	
Mean	0.84
SD	1.03
SEM	0.07
N	200
90% CI	0.72 to 0.96
95% CI	0.70 to 0.98
99% CI	0.65 to 1.03
Minimum	0
Median	1
Maximum	6
Mode	0

Total # Deaths HH	
Mean	0
SD	0
SEM	0
N	200
90% CI	0
95% CI	0
99% CI	0
Minimum	0
Median	0
Maximum	0
Mode	0

# of Infected Work	
Mean	6.25
SD	1.81
SEM	0.13
N	200
90% CI	6.03 to 6.46
95% CI	5.99 to 6.50
99% CI	5.91 to 6.58
Minimum	3
Median	6
Maximum	12
Mode	5

Total # Deaths Work	
Mean	0
SD	0
SEM	0
N	200
90% CI	0
95% CI	0
99% CI	0
Minimum	0
Median	0
Maximum	0
Mode	0

Total # Infected Service	
Mean	0
SD	0
SEM	0
N	200
90% CI	0
95% CI	0
99% CI	0
Minimum	0
Median	0
Maximum	0
Mode	0

Total # Deaths Service	
Mean	0
SD	0
SEM	0
N	200
90% CI	0
95% CI	0
99% CI	0
Minimum	0
Median	0
Maximum	0
Mode	0

*HH = Household.

Sabia- Boston-BUMC

TOTAL # Infected	
Mean	7.09
SD	2.15
SEM	0.15
N	200
90% CI	6.83 to 7.34
95% CI	6.79 to 7.38
99% CI	6.69 to 7.48
Minimum	3
Median	7
Maximum	14
Mode	5

Total # Deaths	
Mean	0
SD	0
SEM	0
N	200
90% CI	0
95% CI	0
99% CI	0
Minimum	0
Median	0
Maximum	0
Mode	0

# of Infected HH	
Mean	0.84
SD	1.03
SEM	0.07
N	200
90% CI	0.72 to 0.96
95% CI	0.70 to 0.98
99% CI	0.65 to 1.03
Minimum	0
Median	1
Maximum	6
Mode	0

Total # Deaths HH	
Mean	0
SD	0
SEM	0
N	200
90% CI	0
95% CI	0
99% CI	0
Minimum	0
Median	0
Maximum	0
Mode	0

# of Infected Work	
Mean	6.25
SD	1.81
SEM	0.13
N	200
90% CI	6.03 to 6.46
95% CI	5.99 to 6.50
99% CI	5.91 to 6.58
Minimum	3
Median	6
Maximum	12
Mode	5

Total # Deaths Work	
Mean	0
SD	0
SEM	0
N	200
90% CI	0
95% CI	0
99% CI	0
Minimum	0
Median	0
Maximum	0
Mode	0

Total # Infected Service	
Mean	0
SD	0
SEM	0
N	200
90% CI	0
95% CI	0
99% CI	0
Minimum	0
Median	0
Maximum	0
Mode	0

Total # Deaths Service	
Mean	0
SD	0
SEM	0
N	200
90% CI	0
95% CI	0
99% CI	0
Minimum	0
Median	0
Maximum	0
Mode	0

*HH = Household.

Monkeypox - Tyngsborough

TOTAL # Infected	
Mean	4.87
SD	1.17
SEM	0.08
N	200
90% CI	4.73 to 5.01
95% CI	4.71 to 5.03
99% CI	4.66 to 5.08
Minimum	3
Median	5
Maximum	10
Mode	5

Total # Deaths	
Mean	0.64
SD	0.81
SEM	0.06
N	200
90% CI	0.54 to 0.74
95% CI	0.53 to 0.75
99% CI	0.49 to 0.79
Minimum	0
Median	0
Maximum	3
Mode	0

# of Infected HH	
Mean	2.00
SD	0.00
SEM	0.00
N	200
90% CI	2.00 to 2.00
95% CI	2.00 to 2.00
99% CI	2.00 to 2.00
Minimum	2
Median	2
Maximum	2
Mode	2

Total # Deaths HH	
Mean	0.25
SD	0.51
SEM	0.04
N	200
90% CI	0.19 to 0.31
95% CI	0.18 to 0.32
99% CI	0.16 to 0.34
Minimum	0
Median	0
Maximum	3
Mode	0

# of Infected Work	
Mean	2.86
SD	1.18
SEM	0.08
N	200
90% CI	2.72 to 2.99
95% CI	2.69 to 3.02
99% CI	2.64 to 3.07
Minimum	0
Median	3
Maximum	8
Mode	3

Total # Deaths Work	
Mean	0.41
SD	0.65
SEM	0.05
N	200
90% CI	0.33 to 0.48
95% CI	0.32 to 0.50
99% CI	0.29 to 0.53
Minimum	0
Median	0
Maximum	3
Mode	0

*HH = Household.

Monkeypox - Peterborough

TOTAL # Infected	
Mean	4.92
SD	1.23
SEM	0.09
N	200
90% CI	4.78 to 5.06
95% CI	4.75 to 5.09
99% CI	4.69 to 5.15
Minimum	3
Median	5
Maximum	9
Mode	5

Total # Deaths	
Mean	0.67
SD	0.75
SEM	0.05
N	200
90% CI	0.58 to 0.75
95% CI	0.56 to 0.77
99% CI	0.53 to 0.80
Minimum	0
Median	1
Maximum	4
Mode	0

# of Infected HH	
Mean	2.00
SD	0.00
SEM	0.00
N	200
90% CI	2.00 to 2.00
95% CI	2.00 to 2.00
99% CI	2.00 to 2.00
Minimum	2
Median	2
Maximum	2
Mode	2

Total # Deaths HH	
Mean	0.24
SD	0.45
SEM	0.03
N	200
90% CI	0.19 to 0.29
95% CI	0.18 to 0.30
99% CI	0.16 to 0.32
Minimum	0
Median	0
Maximum	2
Mode	0

# of Infected Work	
Mean	2.92
SD	1.23
SEM	0.09
N	200
90% CI	2.78 to 3.06
95% CI	2.75 to 3.09
99% CI	2.69 to 3.15
Minimum	1
Median	3
Maximum	7
Mode	3

Total # Deaths Work	
Mean	0.43
SD	0.64
SEM	0.05
N	200
90% CI	0.35 to 0.50
95% CI	0.34 to 0.51
99% CI	0.31 to 0.54
Minimum	0
Median	0
Maximum	3
Mode	0

HH = Household

Monkeypox - Boston- BUMC

TOTAL # Infected	
Mean	5.08
SD	1.36
SEM	0.1
N	200
90% CI	4.92 to 5.24
95% CI	4.89 to 5.27
99% CI	4.83 to 5.33
Minimum	3
Median	5
Maximum	10
Mode	4

Total # Deaths	
Mean	0.69
SD	0.83
SEM	0.06
N	200
90% CI	0.59 to 0.79
95% CI	0.57 to 0.81
99% CI	0.54 to 0.84
Minimum	0
Median	1
Maximum	5
Mode	0

# of Infected HH	
Mean	2.00
SD	0.00
SEM	0.00
N	200
90% CI	2.00 to 2.00
95% CI	2.00 to 2.00
99% CI	2.00 to 2.00
Minimum	2
Median	2
Maximum	2
Mode	2

Total # Deaths HH	
Mean	0.26
SD	0.46
SEM	0.03
N	200
90% CI	0.21 to 0.31
95% CI	0.20 to 0.32
99% CI	0.18 to 0.34
Minimum	0
Median	0
Maximum	2
Mode	0

# of Infected Work	
Mean	3.07
SD	1.35
SEM	0.1
N	200
90% CI	2.91 to 3.22
95% CI	2.88 to 3.25
99% CI	2.82 to 3.31
Minimum	1
Median	3
Maximum	8
Mode	2

Total # Deaths Work	
Mean	0.44
SD	0.64
SEM	0.05
N	200
90% CI	0.36 to 0.51
95% CI	0.35 to 0.52
99% CI	0.32 to 0.55
Minimum	0
Median	0
Maximum	4
Mode	0

*HH = Household

RVF – Tyngsborough

TOTAL # Infected	
Mean	1750.87
SD	39.24
SEM	2.78
N	200
90% CI	1746.28 to 1755.46
95% CI	1745.40 to 1756.34
99% CI	1743.65 to 1758.09
Minimum	1648
Median	1750.5
Maximum	1865
Mode	1760

Total # Deaths	
Mean	78.2
SD	9.13
SEM	0.65
N	200
90% CI	77.13 to 79.27
95% CI	76.93 to 79.47
99% CI	76.52 to 79.88
Minimum	49
Median	79
Maximum	106
Mode	82

RVF- Peterborough

TOTAL # Infected	
Mean	2490.86
SD	43.38
SEM	3.07
N	200
90% CI	2485.79 to 2495.92
95% CI	2484.81 to 2496.90
99% CI	2482.88 to 2498.83
Minimum	2352
Median	2491
Maximum	2604
Mode	2439

Total # Deaths	
Mean	112.53
SD	10.43
SEM	0.74
N	200
90% CI	111.31 to 113.75
95% CI	111.08 to 113.98
99% CI	110.61 to 114.45
Minimum	86
Median	112
Maximum	140
Mode	117

RVF- Boston-BUMC

TOTAL # Infected	
Mean	61.78
SD	8.07
SEM	0.57
N	200
90% CI	60.83 to 62.72
95% CI	60.65 to 62.90
99% CI	60.29 to 63.26
Minimum	47
Median	61
Maximum	88
Mode	58

Total # Deaths	
Mean	2.99
SD	1.6
SEM	0.11
N	200
90% CI	2.80 to 3.18
95% CI	2.77 to 3.21
99% CI	2.70 to 3.28
Minimum	0
Median	3
Maximum	8
Mode	2

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Summary Statistical Data A-BEST Simulations
