Appendix Figure 1: One-way sensitivity analyses for economic losses in the Republic of Korea associated with the 2015 Middle East respiratory syndrome (MERS) outbreak (2015 US million dollars). The width of horizontal bars shows the change in economic loss when each parameter was varied over the ranges as follows: A) numbers of projected non-citizen arrivals varies from the lower-bound of the 95% confidence intervals to the upper-bound of 95% confidence intervals, and B) monthly average expenditure per person varies from the lowest monthly average expenditure per person (US $934 per person, October 2015) in 2015 to highest monthly average expenditure per person (US $1,388 per person, January 2015) in 2015.

Tourism revenue

Baseline: 2,756

Economic losses (US million dollars)

(5.2 million-6.3 million arrivals)

$1,995

$2,964

$3,235

$1,948

Baseline: $2,590

($934-$1,388 per person)

Accommodation

Economic losses (US million dollars)

(5.2 million-6.3 million arrivals)

$417

$620

$676

$408

Baseline: $542

($934-$1,388 per person)

Food and beverage service activities

$270

(5.2 million-6.3 million arrivals)

($934-$1,388 per person)

$411

$451

$277

Baseline: $359

Transportation

$82

($934-$1,388 per person)

$133

$122

$80

Baseline: $106

Notes: The estimated losses are cumulated monthly losses during the MERS outbreak period. The estimated losses include losses from the months with significant impact only.

Appendix Figure 2: Annual growth rates of numbers of inbound arrivals, outbound departures, and domestic travels