

# Analysis Report

## Data request from the OPTN Liver and Intestinal Organ Transplantation Committee

Date: November 14, 2017

This report was provided to HRSA by SRTR in support of ongoing policy consideration by the OPTN Liver and Intestinal Organ Transplantation Committee. The analysis described herein was conducted at the specific request of the OPTN Committee and does not represent a full or final analysis related to the policy issue under consideration.

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Timeline:

Committee met	September 26, 2017
Request made	October 17, 2017
Analysis plan submitted	October 26, 2017
Analysis report submitted	November 14, 2017
Next Committee meeting	November 16, 2017

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## Executive Summary

The OPTN Liver and Intestinal Organ Transplantation Committee (the Committee) requested that SRTR use the liver simulated allocation model (LSAM) to further assess the simulated impact of Enhanced 11 Regions for liver distribution, with additional breakdown by OPTN region for certain subgroups, to better understand the socioeconomic effects of the proposed policy change.

The Committee also requested that SRTR assess the new subgroup based on Cumulative Community Risk Score (CCRS), which SRTR had not previously assessed with respects to the liver allocation modeling data, to determine the effect on candidates living in counties with differing socioeconomic characteristics. The CCRS is assigned by county and ranges from 0 to 40, with 0 representing the lowest risk. Please reference the original publication for details on how the CCRS is compiled.<sup>1</sup> For this subgroup analysis, the CCRS was categorized into four groups of ten-unit increments (0-10, 11-20, 21-30, and 31-40), which aligns with the subgrouping used by OPTN. CCRS subgroupings are presented nationally and by region.

The policies, metrics, and subgroups examined are limited in this report to reduce the total number of plots and focus on the data most relevant to the research question. The variables assessed are listed below:

### Policies:

- Current policy
- M29 150-mile policy
- M29 150-mile + DSA policy

### Metrics:

- Median allocation MELD at transplant
- Transplant rate
- Transplant count
- Waitlist mortality rate
- Waitlist mortality count

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<sup>1</sup> Schold JD, Buccini LD, Kattan MW, et al. The Association of community health indicators with outcomes for kidney transplant recipients in the United States. *Arch surg.* 2012;147(6):520-526. [doi:10.1001/archsurg.2011.2220](https://doi.org/10.1001/archsurg.2011.2220).

**Subgroups:**

- Insurance type: private and public
- Urbanicity by RUCA codes: metropolitan, micropolitan, small town, rural, and non-metropolitan (micropolitan + small town + rural)
- CCRS by ten-unit increments: 0-10, 11-20, 21-30, and 31-40

**Main Findings****Insurance Type**

No disparate impact between groups based on insurance type was noted for the metrics examined; any projected changes by region were reflected equally in private and public insurance pools.

**Urbanicity**

Due to the larger proportions of people in the metropolitan subgroups compared with other residential subgroups, the metropolitan group aligned with any projected changes associated with the overall nation/region. This was consistent for all metrics. The micropolitan, small town, rural, and non-metropolitan groups showed stable metrics or minimal change in projected metrics, with more variability than the metropolitan subgroup in the range of minimum and maximum values. There was no compelling evidence of disparate effects among the micropolitan, small town, rural, and non-metropolitan groups.

**Cumulative Community Risk Score (CCRS)**

Under the current allocation system, differences are notable in median allocation MELD score at transplant when stratified by CCRS subgroups; candidates who live in higher-CCRS counties have lower median allocation MELD scores than candidates who live in lower-CCRS counties. This finding was also acknowledged in the OPTN descriptive data report submitted on August 17, 2017.

LSAM modeling projections for the enhanced regions scenarios showed that national median allocation MELD scores were unaffected compared with current policy for candidates from counties with CCRS 0-10 and 11-20, and were increased for candidates from counties with CCRS 21-30 and 31-40. Although median allocation MELD score increased under the enhanced regions scenario for candidates from high-CCRS counties, projected MELD scores were still lower than scores for candidates from counties with CCRS 0-10 and 11-20.

Projected national transplant rates show a similar but inverse pattern, in which rates are steady at the national level for candidates from lower CCRS counties (0-10 and 11-20) and are projected to slightly decrease for candidates in higher CCRS counties (21-30 and 31-40).

When assessing CCRS subgroups by region, trends in median MELD score and transplant rates did not mirror the national patterns noted above. All CCRS subgroups generally reflected the trend projected for the entire region and did not show notable variability in trend direction when broken out by CCRS subgroup. For example, region 2 is projected to have a slight increase in median MELD at transplant for the entire region for both proposed policy scenarios, as well as each of the CCRS subgroups (0-10, 11-20, 21-30, and 31-40). Additionally, region 1 shows an increase in transplant rates for the entire region and each of the CCRS subgroups.

Waitlist mortality rates and counts are predicted to decrease for candidates from all CCRS subgroup counties.

### **Note on Interpreting the Geographic Subgroups**

This report presents two subgrouping metrics defined for geographic areas: the CCRS, which is defined by county, and the urbanicity classification, which is defined by census tract.

The CCRS is based on population-level attributes, and the authors recommend caution in its interpretation: "it is...important for interpretation of our study findings that ascribing broad area risks to each individual within that area is an ecological fallacy. Thus...it is inappropriate to directly assign risks to individuals within that community."<sup>1</sup> Thus, readers should think of CCRS results as applying to candidates in high-risk counties, not to high-risk candidates

Because urbanicity classification applies to the entire population within the defined geographical area, "urban populations" and "those living in urban areas" are interchangeable.

## **Policy concepts**

This section provides a brief overview of policy concepts used in conversations regarding liver redistribution and in this report.

### **Area of Distribution**

Distribution indicates the geographic area within which available donor organs are distributed. For liver transplant, organs are currently distributed within the DSA, the OPTN region, and nationally. See [OPTN Policy 9.6.E – 9.6.G](#) for more detail.

### **Allocation**

Allocation indicates the process by which available donor organs are distributed. For liver transplant, organs are generally allocated by model for end-stage liver disease (MELD) and pediatric end-stage liver disease (PELD) scores and by blood type and waiting time. See [OPTN Policy 9](#) for more detail.

## **Scientific concepts**

### **Simulation modeling**

One method used for policy evaluation is simulation modeling, which uses data and software to simulate the functioning of the nationwide liver transplant system. Patients are listed on the waiting list, donor organs arrive, and transplants occur, just as in real life. Policy conditions can be modified in the simulations, allowing for examination of probable outcomes of various policy scenarios in a way that is close to real life without putting patients at risk.

The software tool that SRTR uses to conduct simulation modeling of the US liver transplant system is the liver simulated allocation model (LSAM). The LSAM is a discrete-event simulation of the liver allocation system; it simulates the allocation of donated livers to waitlisted candidates by drawing on historical patient data including candidate listing, candidate status changes, and organ donations.

This report expands the analysis based on existing modeling that SRTR provided to the OPTN Liver and Intestinal Committee in September 2017.

## Data request: Provide additional LSAM outputs for key redistricting proposals

The full text of the original OPTN data request to which this report responds is shown below, as submitted on October 17, 2017.

**Date Form Submitted to HRSA:** October 17, 2017 (revised version)

**Requesting Committee:** OPTN Liver and Intestinal Organ Transplantation Committee

**Date Committee Met:** September 26, 2017

**Date of Next Meeting:** TBD

**OPTN staff member referring Committee's requests:** Ann Harper, MPH

**Chair Approval?** Yes

### ANALYSES REQUESTED:

**Descriptive Statistical Requests** (responsibility of OPTN contractor)

None

**Inferential STATISTICAL REQUESTS** (RESPONSIBILITY OF SRTR CONTRACTOR)

**Data Request 1:** Provide additional LSAM outputs for key redistricting proposals

**Background:** During the Committee conference call on September 26, 2017, the Committee requested that the SRTR provide additional LSAM modeling outputs to better understand the socioeconomic impact of the proposed policy changes at the Regional level. This request has been amended to clearly indicate that both regional and national results should be provided.

**Strategic Goal or Committee Project Addressed:** Reduce disparities in access to liver transplants.

**Request:** Using the most recently available LSAM modeling runs, provide the following additional data, both nationally and by Region, for scenarios "Current," "M29 150", and "M 29 150DSA":

1) Transplant rate and counts

- Urban vs rural, based on RUCA codes (Individually, and grouped by metropolitan vs micropolitan + small town + rural)
- Insurance status: public and private
- Cumulative Community Risk Score (CCRS) grouped in units of 10 (0-10, 11-20, 21-30, 31-40).

2) Waitlist mortality rate and counts

- Urban vs rural, based on RUCA codes (Individually, and grouped by metropolitan vs micropolitan + small town + rural)
- Insurance status: public and private
- Cumulative Community Risk Score (CCRS) grouped in units of 10 (0-10, 11-20, 21-30, 31-40).

### 3) Median MELD/PELD score at transplant

- Urban vs rural, based on RUCA codes (Individually, and grouped by metropolitan vs micropolitan + small town + rural)
- Insurance status: public and private
- Cumulative Community Risk Score (CCRS) grouped in units of 10 (0-10, 11-20, 21-30, 31-40).

### OTHER Requests

None

## Study population

The Committee has expressed strong interest in simulations based on the most recent data possible, and, if available, data collected after implementation of the Share 35 liver allocation policy. Reflecting this request, data for these policy simulations were collected between July 2013 and June 2016, post-Share-35 implementation.

The simulation uses donor and candidate populations created by the LSAM donor and candidate generators. This software draws on patient data for transplant candidates listed at the beginning of the data cohort period, and candidates added to the waiting list and organs donated during the data cohort period. The generators use these real patient data to create independent donor and candidate populations for each of the multiple LSAM iterations involved in simulating each allocation scenario.

## Analytical approach

### Policy scenarios

The liver transplantation policy scenarios simulated include:

- **Current:**
  - Distribution: Current distribution.
  - DCD/ $\geq 70$  allocation: Uses the same allocation order for all deceased donors.
  - Proximity points: No proximity points.
  - Sharing threshold: Share 35/sharing threshold of MELD/PELD  $\geq 35$  for the third tier of allocation (after allocation to Statuses 1A and 1B).
  - Ranking in third tier of allocation proceeds by allocation MELD/PELD.
- **M29 150m:**
  - Distribution: 11 OPTN regions plus 150-mile radius circles from the donor hospital.
  - DCD/ $\geq 70$  allocation: Uses a different allocation order for organs from donors who are DCD or aged  $\geq 70$  years.

- Proximity points: Candidates listed at programs within a 150-mile radius of the donor hospital receive 5 additional proximity points added to their lab MELD for adults and their allocation MELD/PELD for candidates <18 years.
  - Sharing threshold: MELD/PELD  $\geq 29$  for the third tier of allocation (after allocation to Statuses 1A and 1B).
  - Ranking in third tier of allocation proceeds by adjusted MELD/PELD. The adjusted MELD/PELD is equal to the calculated (lab) MELD plus proximity points (as applicable) for adults, or the allocation MELD/PELD plus proximity points (as applicable) for candidates aged <18 years.
- **M29 150m DSA:**
    - Distribution: 11 OPTN regions plus 150-mile radius circles from the donor hospital.
    - DCD/ $\geq 70$  allocation: Uses a different allocation order for organs from donors who are DCD or aged  $\geq 70$  years.
    - Proximity points: Candidates listed at programs within either (a) the DSA of the donor hospital or (b) a 150-mile radius of the donor hospital receive 5 additional proximity points added to their lab MELD for adults and allocation MELD/PELD for candidates aged <18 years.
    - Sharing threshold: MELD/PELD  $\geq 29$  for the third tier of allocation (after allocation to Statuses 1A and 1B).
    - Ranking in third tier of allocation proceeds by adjusted MELD/PELD. The adjusted MELD/PELD is equal to the calculated (lab) MELD plus proximity points (as applicable) for adults, or the allocation MELD/PELD plus proximity points (as applicable) for candidates aged <18 years.

## Metrics

The OPTN data request specified that the following outcome metrics be assessed. Metrics are assessed for the overall population and by current OPTN region for each of the following subgroup populations: insurance type (private, public), and urbanicity (metropolitan, micropolitan, small town, rural, non-metropolitan), and CCRS (0-10, 11-20, 21-30, 31-40).

Metrics include:

- Median allocation MELD/PELD at transplant
- Transplant rates
- Transplant counts
- Waitlist mortality rates
- Waitlist mortality counts

## Results

Results for the simulated scenarios are reported as plots, with each plot displaying values for a given metric for the current allocation policy and the two scenarios tested. In viewing these results, it is important to compare each scenario with the current allocation policy scenario to identify changes in outcome metrics due to the proposed policy changes. Each scenario was simulated 10 times, and the plots display the range of results across the 10 simulations as a vertical line extending from the minimum value to the maximum value for that metric and scenario. A point along that line marks the mean value of the metric across the 10 iterations.

### Insurance Type

#### Median Allocation MELD/PELD at Transplant

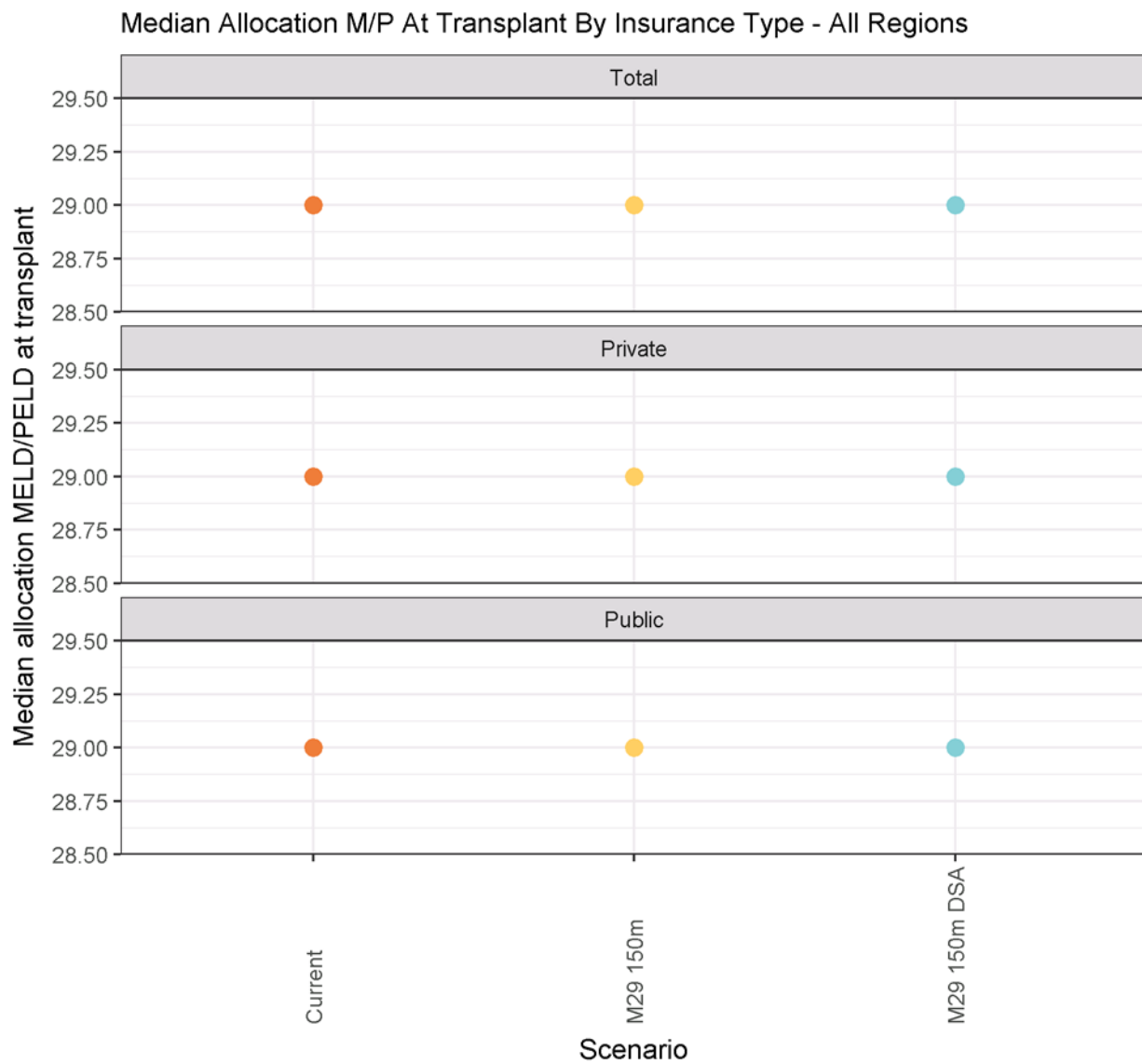


Figure 1 Median allocation MELD/PELD at transplant by insurance type - all regions



Table 1 Median allocation MELD/PELD at transplant by insurance type - all regions

Scenario	Total	Private	Public
Current	29 (29,29)	29 (29,29)	29 (29,29)
M29 150m	29 (29,29)	29 (29,29)	29 (29,29)
M29 150m DSA	29 (29,29)	29 (29,29)	29 (29,29)

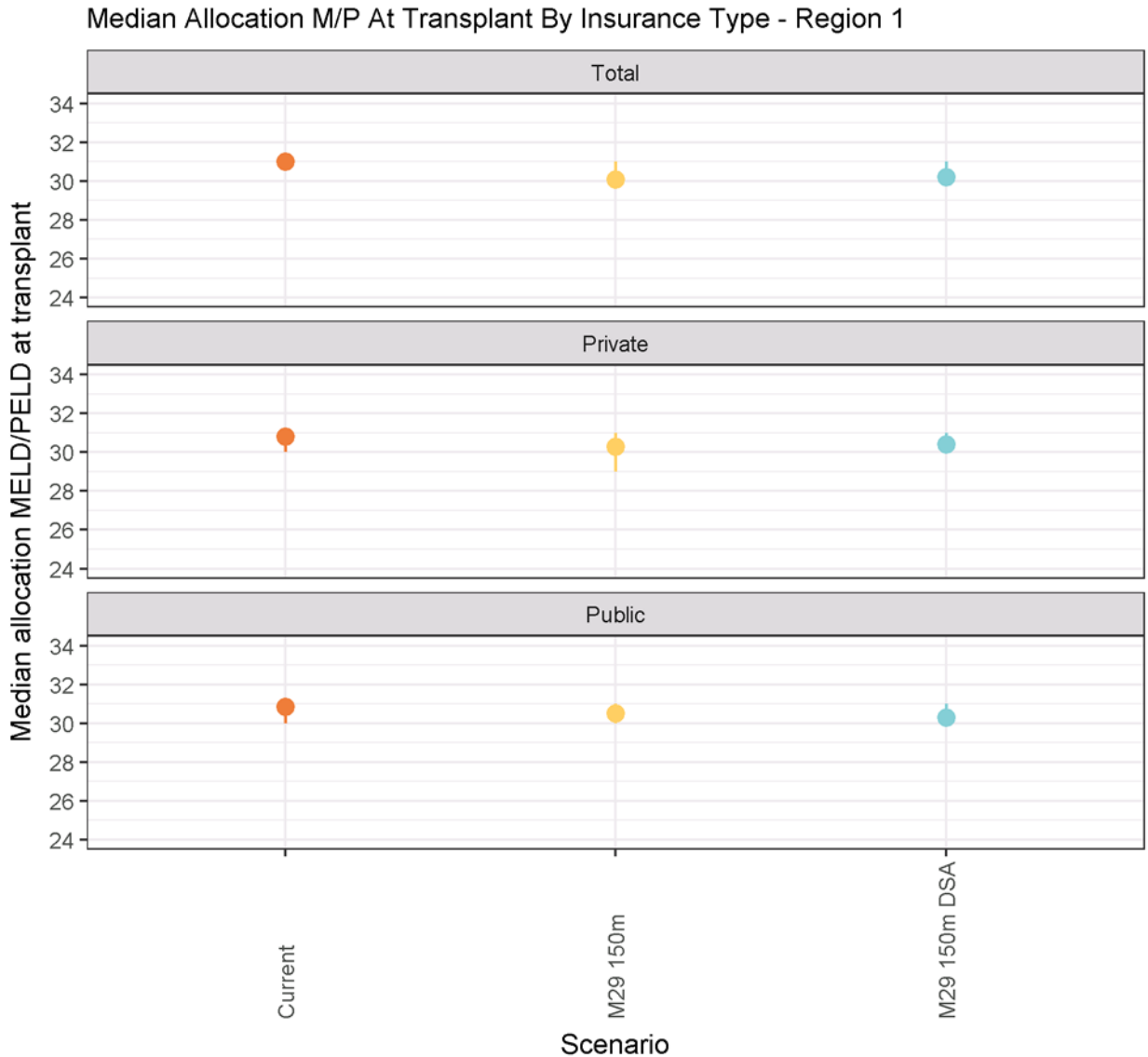


Figure 2 Median allocation MELD/PELD at transplant by insurance type - region 1

Table 2 Median allocation MELD/PELD at transplant by insurance type - region 1

Scenario	Total	Private	Public
Current	31 (31,31)	30.8 (30,31)	30.9 (30,31)
M29 150m	30.1 (30,31)	30.3 (29,31)	30.5 (30,31)
M29 150m DSA	30.2 (30,31)	30.4 (30,31)	30.3 (30,31)

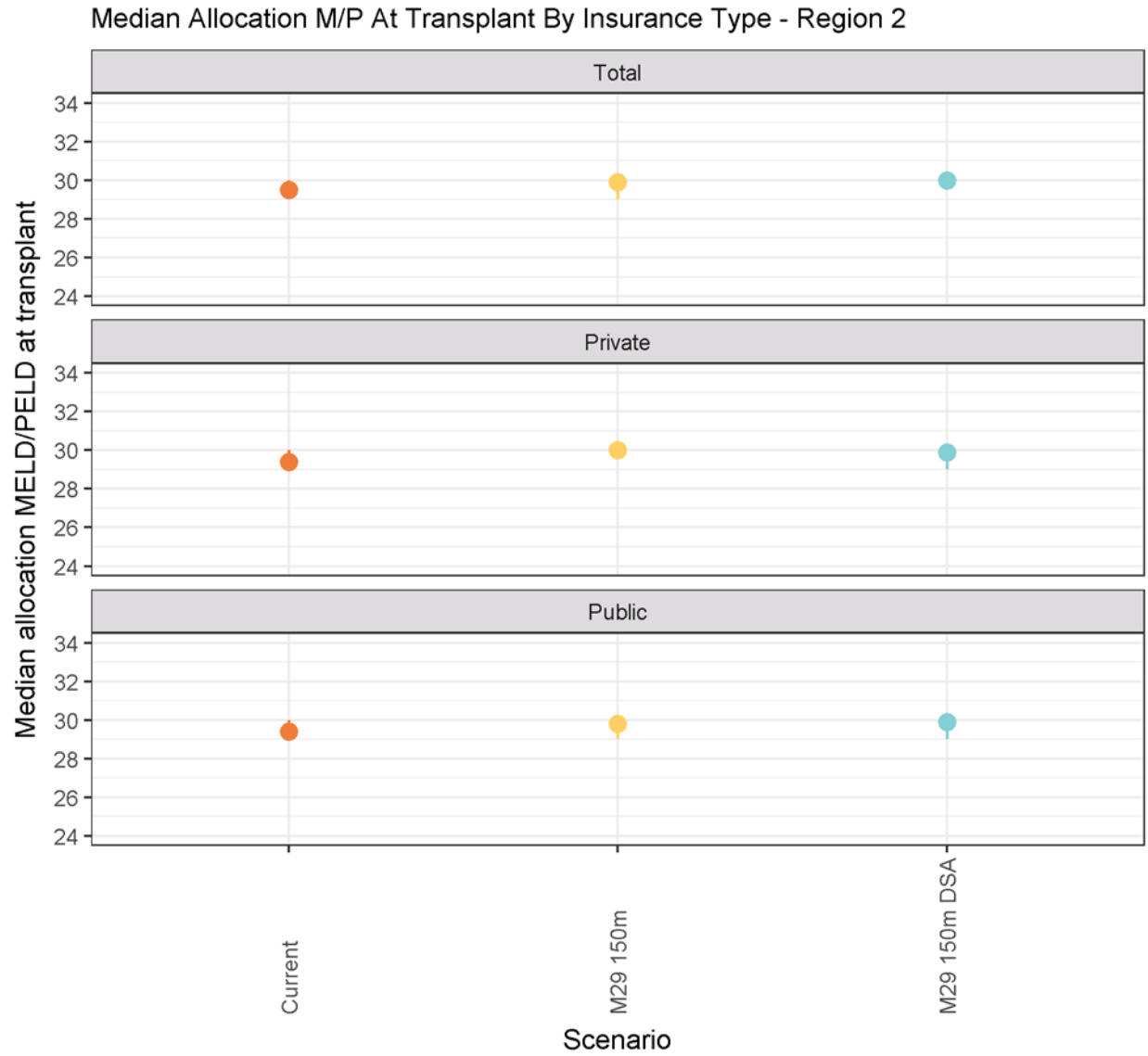


Figure 3 Median allocation MELD/PELD at transplant by insurance type - region 2

Table 3 Median allocation MELD/PELD at transplant by insurance type - region 2

Scenario	Total	Private	Public
Current	29.5 (29,30)	29.4 (29,30)	29.4 (29,30)
M29 150m	29.9 (29,30)	30 (30,30)	29.8 (29,30)
M29 150m DSA	30 (30,30)	29.9 (29,30)	29.9 (29,30)

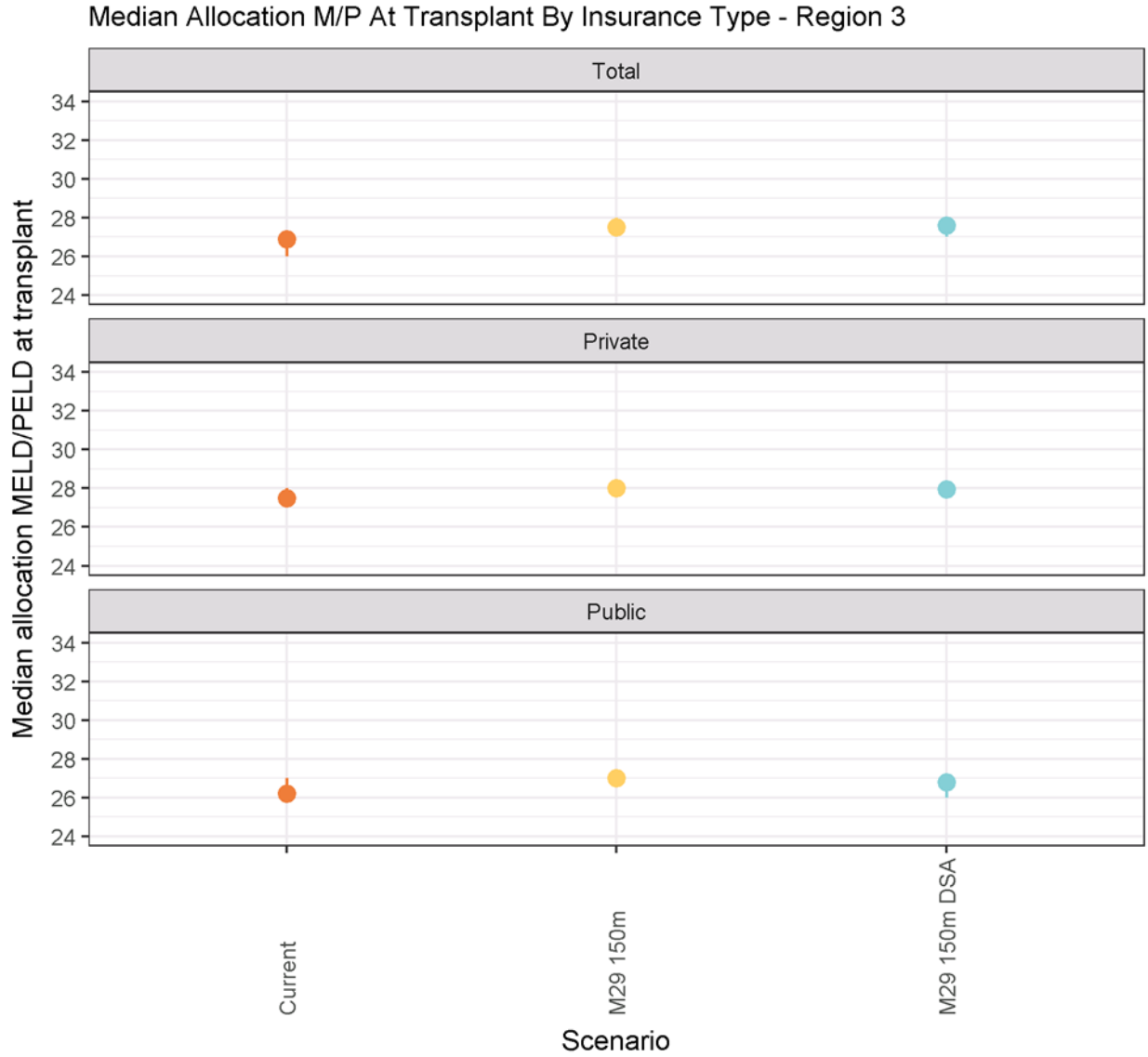


Figure 4 Median allocation MELD/PELD at transplant by insurance type - region 3

Table 4 Median allocation MELD/PELD at transplant by insurance type - region 3

Scenario	Total	Private	Public
Current	26.9 (26,27)	27.5 (27,28)	26.2 (26,27)
M29 150m	27.5 (27,28)	28 (28,28)	27 (27,27)
M29 150m DSA	27.6 (27,28)	27.9 (27.5,28)	26.8 (26,27)

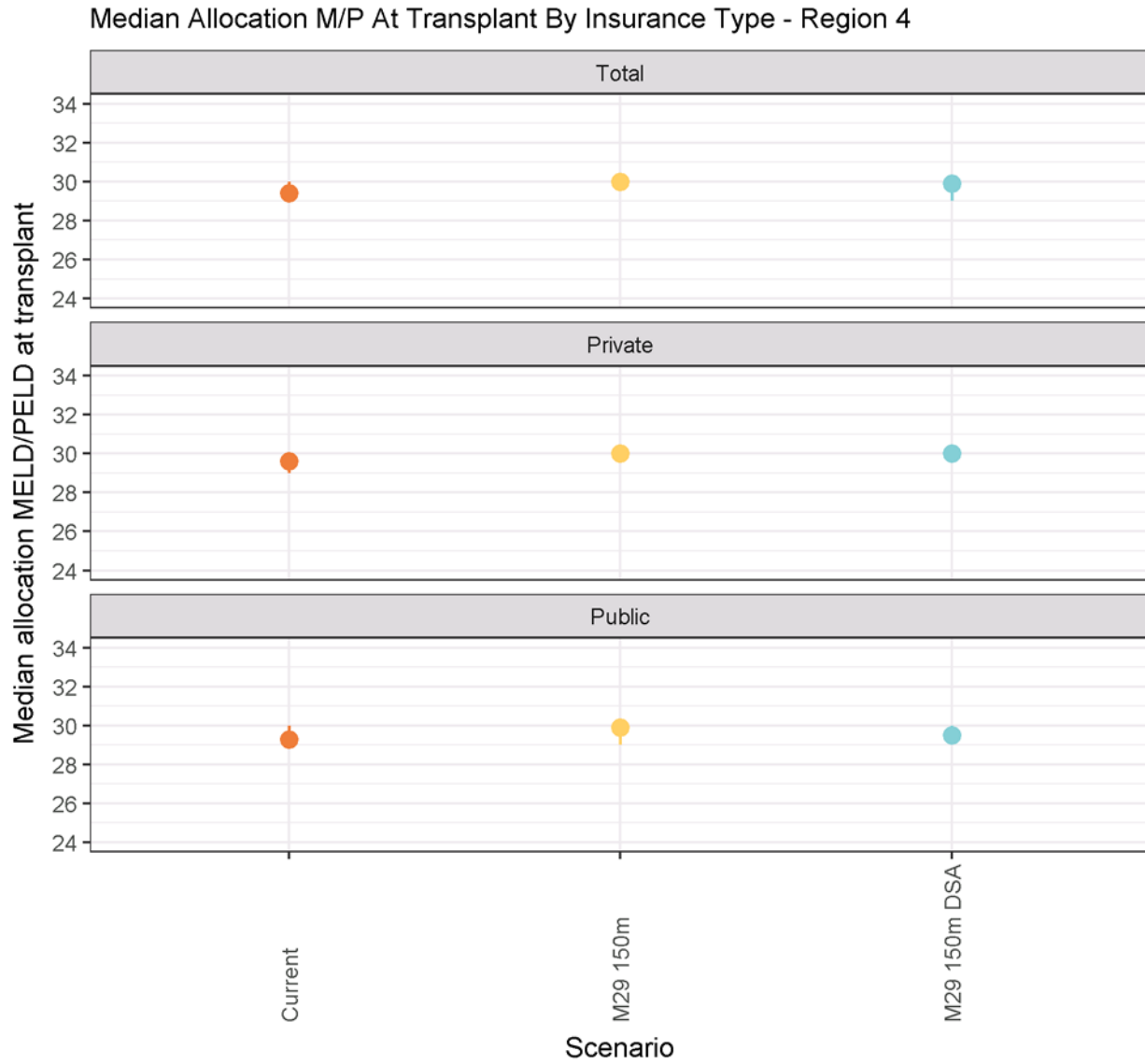


Figure 5 Median allocation MELD/PELD at transplant by insurance type - region 4

Table 5 Median allocation MELD/PELD at transplant by insurance type - region 4

Scenario	Total	Private	Public
Current	29.4 (29,30)	29.6 (29,30)	29.3 (29,30)
M29 150m	30 (30,30)	30 (30,30)	29.9 (29,30)
M29 150m DSA	29.9 (29,30)	30 (30,30)	29.5 (29,30)

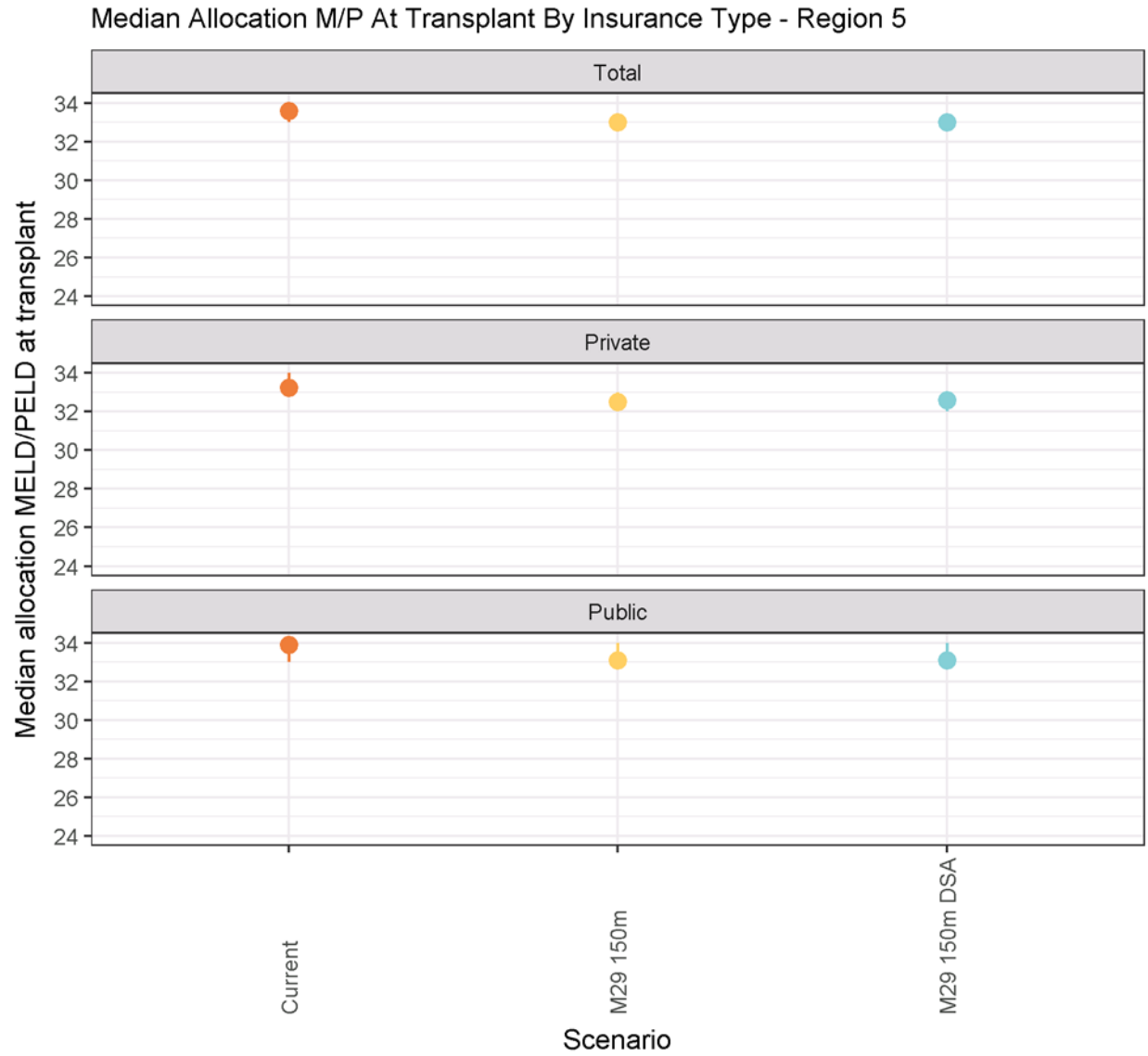


Figure 6 Median allocation MELD/PELD at transplant by insurance type - region 5

Table 6 Median allocation MELD/PELD at transplant by insurance type - region 5

Scenario	Total	Private	Public
Current	33.6 (33,34)	33.2 (33,34)	33.9 (33,34)
M29 150m	33 (33,33)	32.5 (32,33)	33.1 (33,34)
M29 150m DSA	33 (33,33)	32.6 (32,33)	33.1 (33,34)

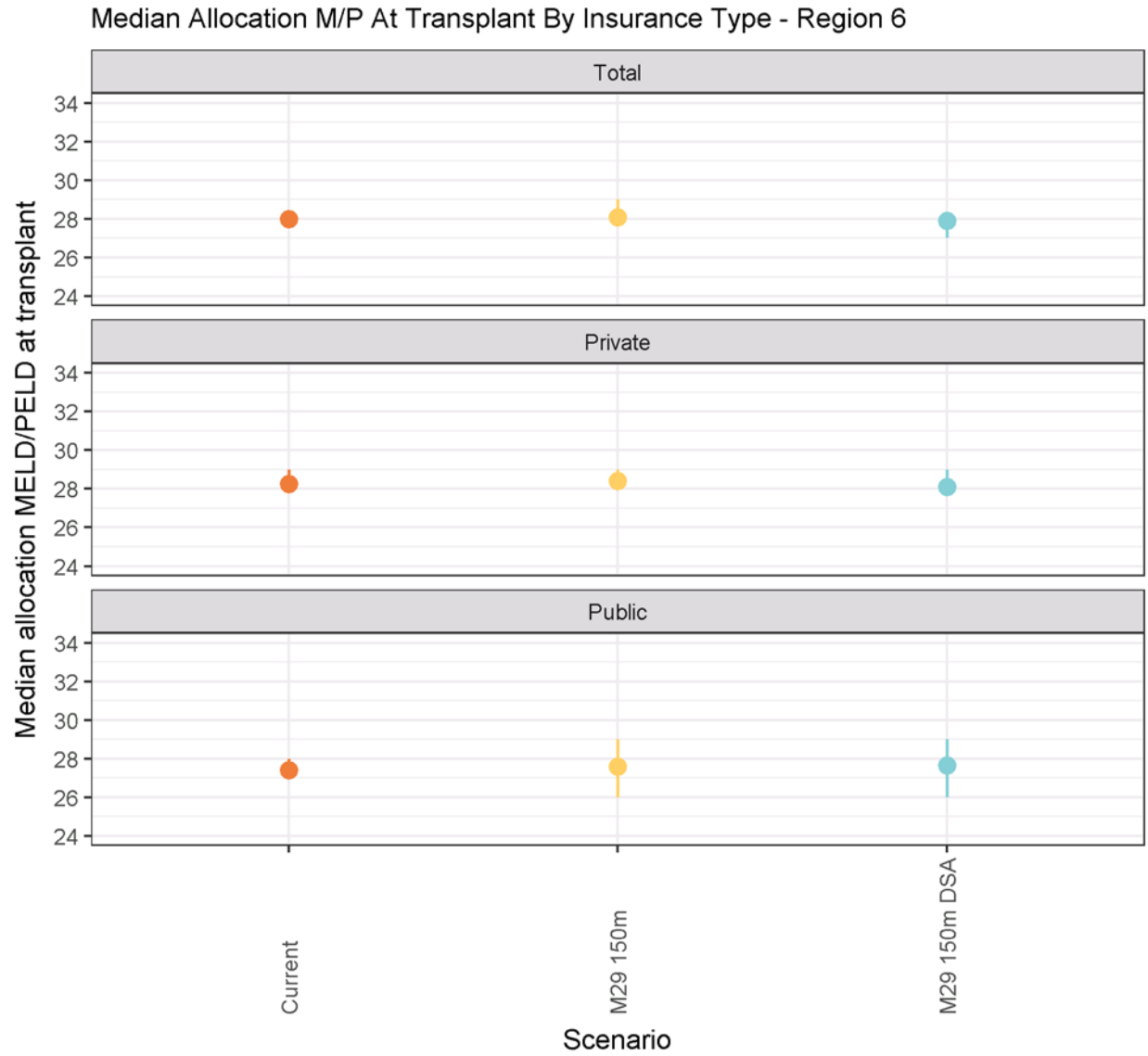


Figure 7 Median allocation MELD/PELD at transplant by insurance type - region 6

Table 7 Median allocation MELD/PELD at transplant by insurance type - region 6

Scenario	Total	Private	Public
Current	28 (28,28)	28.2 (28,29)	27.4 (27,28)
M29 150m	28.1 (28,29)	28.4 (28,29)	27.6 (26,29)
M29 150m DSA	27.9 (27,28)	28.1 (28,29)	27.6 (26,29)

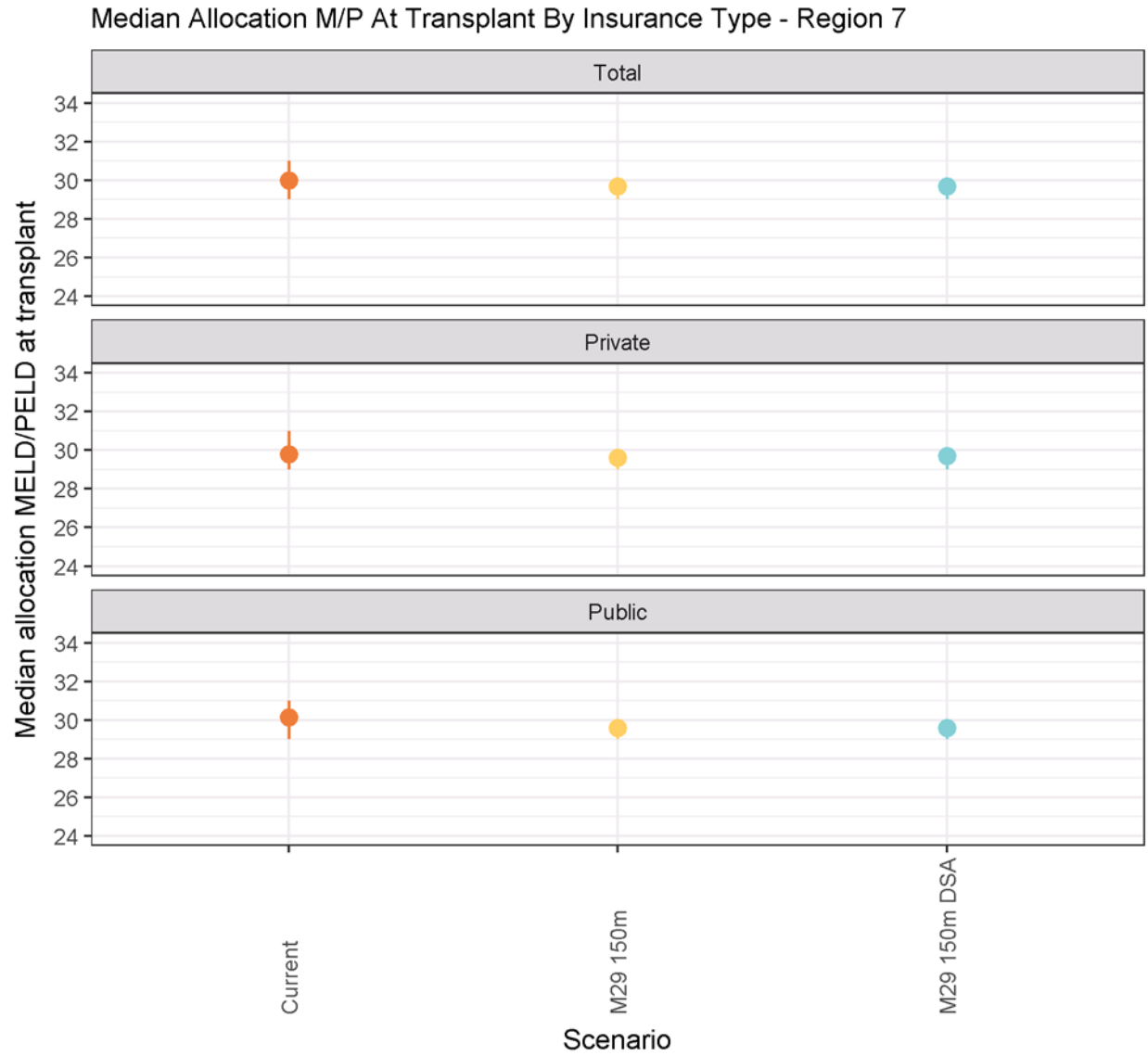


Figure 8 Median allocation MELD/PELD at transplant by insurance type - region 7

Table 8 Median allocation MELD/PELD at transplant by insurance type - region 7

Scenario	Total	Private	Public
Current	30 (29,31)	29.8 (29,31)	30.1 (29,31)
M29 150m	29.7 (29,30)	29.6 (29,30)	29.6 (29,30)
M29 150m DSA	29.7 (29,30)	29.7 (29,30)	29.6 (29,30)

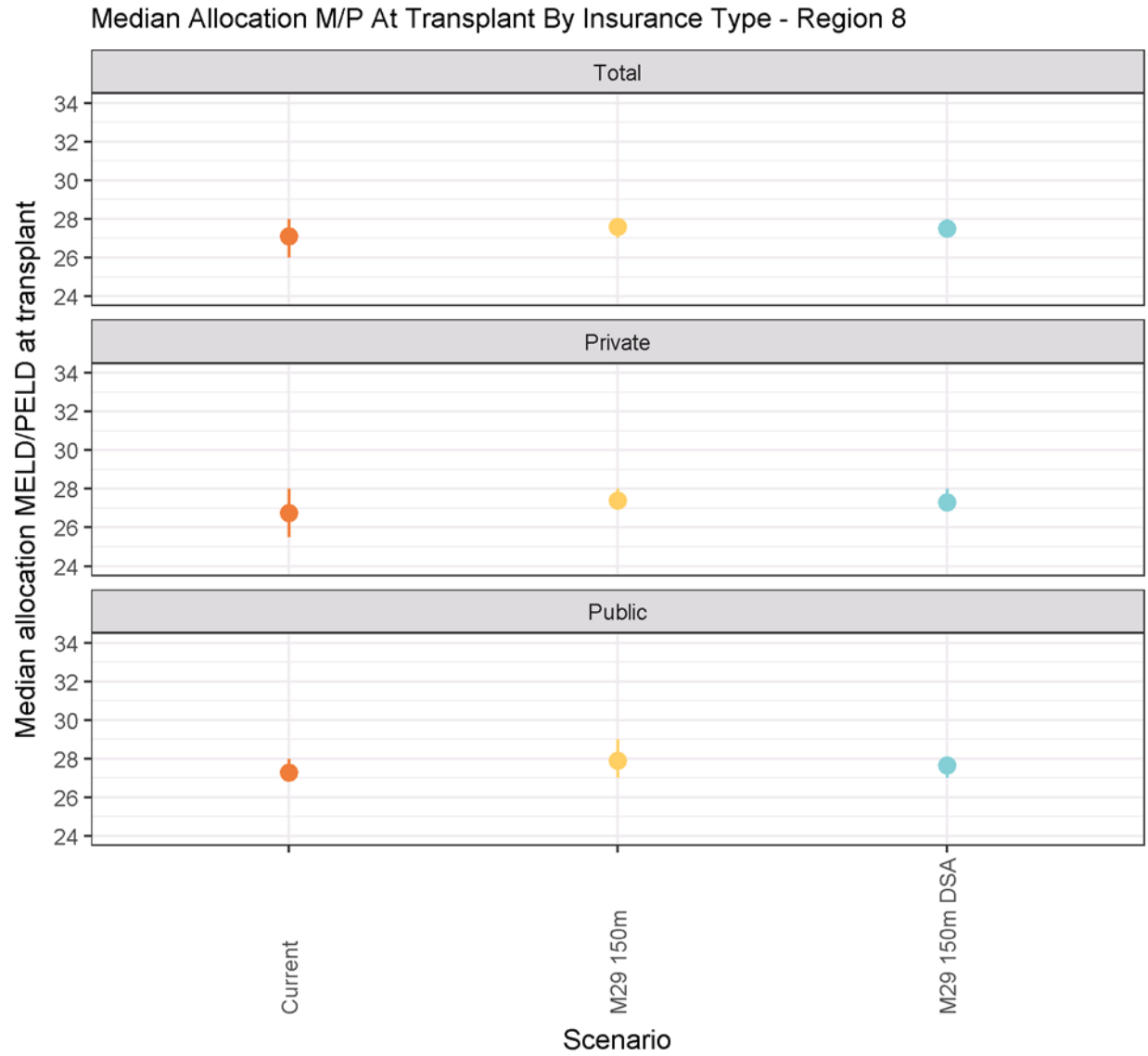


Figure 9 Median allocation MELD/PELD at transplant by insurance type - region 8

Table 9 Median allocation MELD/PELD at transplant by insurance type - region 8

Scenario	Total	Private	Public
Current	27.1 (26,28)	26.8 (25.5,28)	27.3 (27,28)
M29 150m	27.6 (27,28)	27.4 (27,28)	27.9 (27,29)
M29 150m DSA	27.5 (27,28)	27.3 (27,28)	27.6 (27,28)



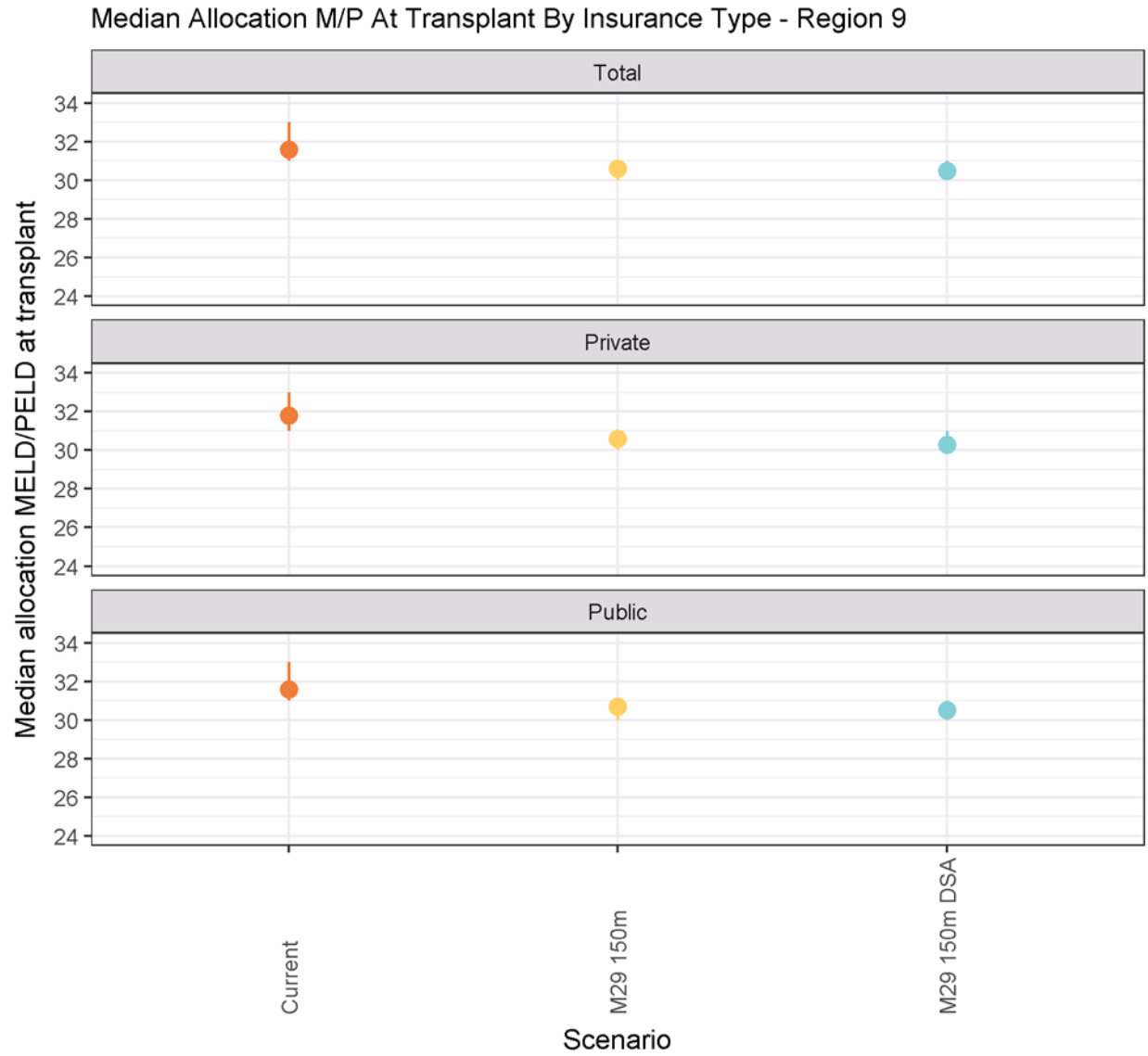


Figure 10 Median allocation MELD/PELD at transplant by insurance type - region 9

Table 10 Median allocation MELD/PELD at transplant by insurance type - region 9

Scenario	Total	Private	Public
Current	31.6 (31,33)	31.8 (31,33)	31.6 (31,33)
M29 150m	30.6 (30,31)	30.6 (30,31)	30.7 (30,31)
M29 150m DSA	30.5 (30,31)	30.3 (30,31)	30.5 (30,31)

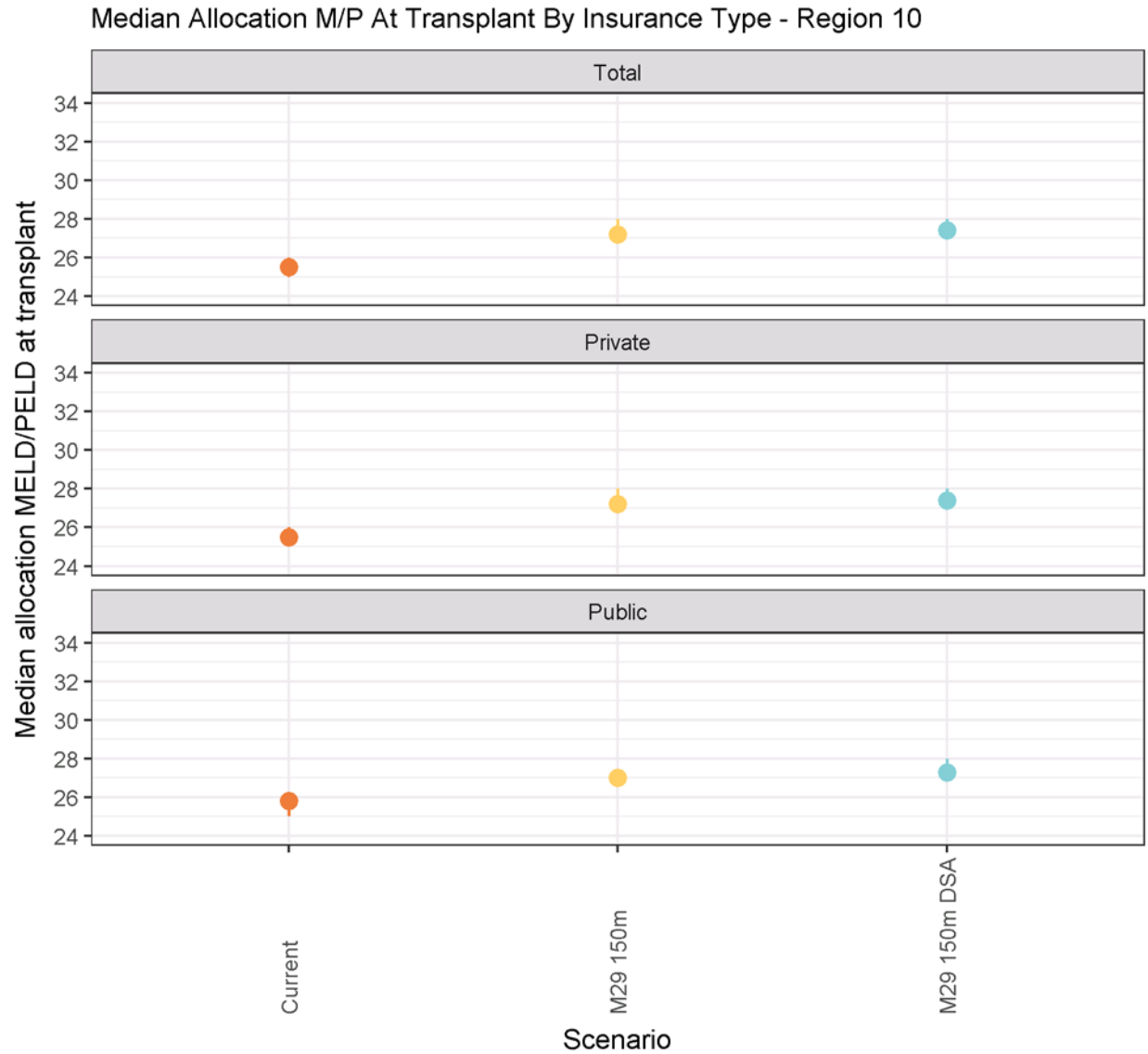


Figure 11 Median allocation MELD/PELD at transplant by insurance type - region 10

Table 11 Median allocation MELD/PELD at transplant by insurance type - region 10

Scenario	Total	Private	Public
Current	25.5 (25,26)	25.5 (25,26)	25.8 (25,26)
M29 150m	27.2 (27,28)	27.2 (27,28)	27 (27,27)
M29 150m DSA	27.4 (27,28)	27.4 (27,28)	27.3 (27,28)

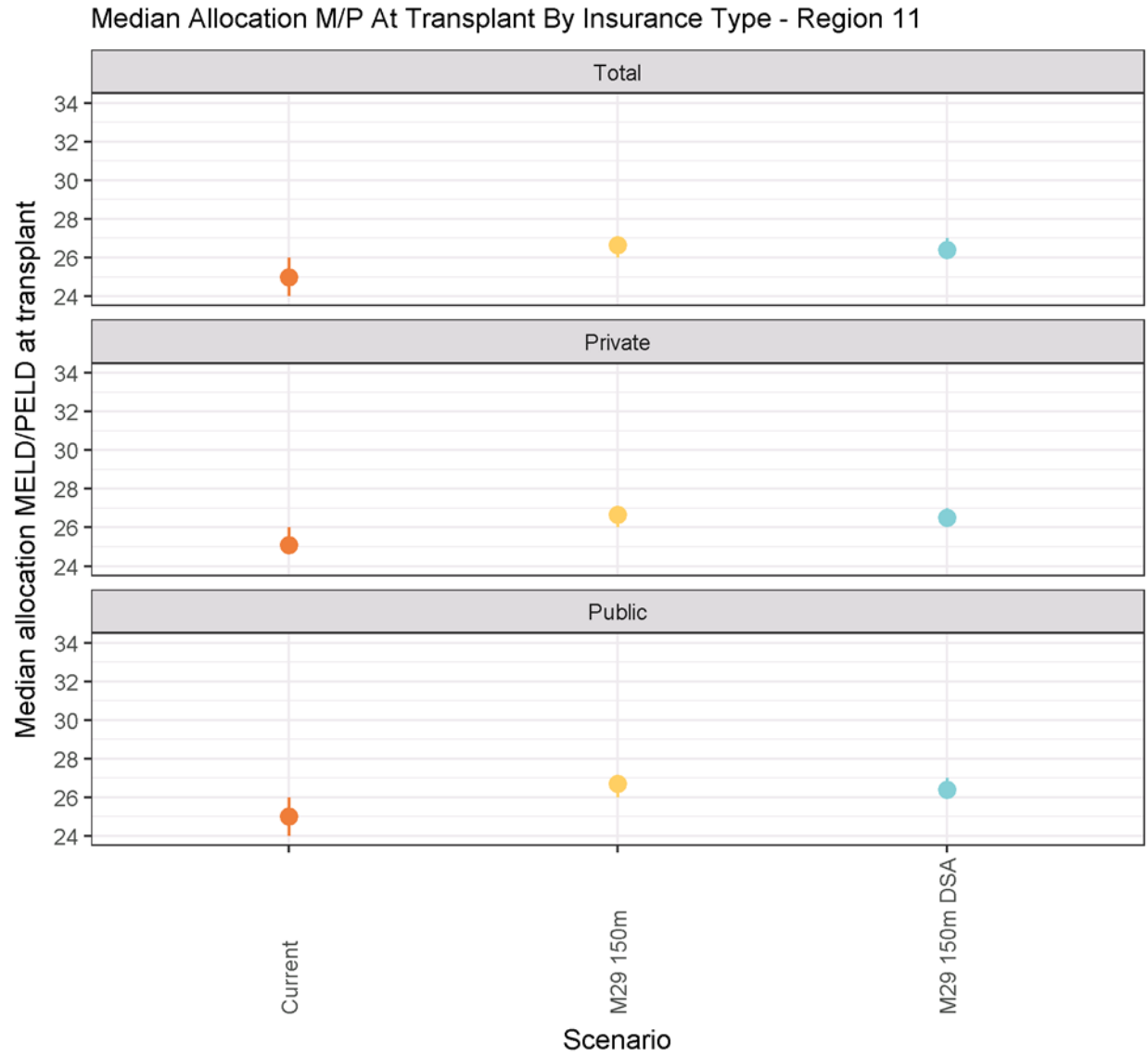


Figure 12 Median allocation MELD/PELD at transplant by insurance type - region 11

Table 12 Median allocation MELD/PELD at transplant by insurance type - region 11

Scenario	Total	Private	Public
Current	25 (24,26)	25.1 (25,26)	25 (24,26)
M29 150m	26.6 (26,27)	26.6 (26,27)	26.7 (26,27)
M29 150m DSA	26.4 (26,27)	26.5 (26,27)	26.4 (26,27)

**Transplant**

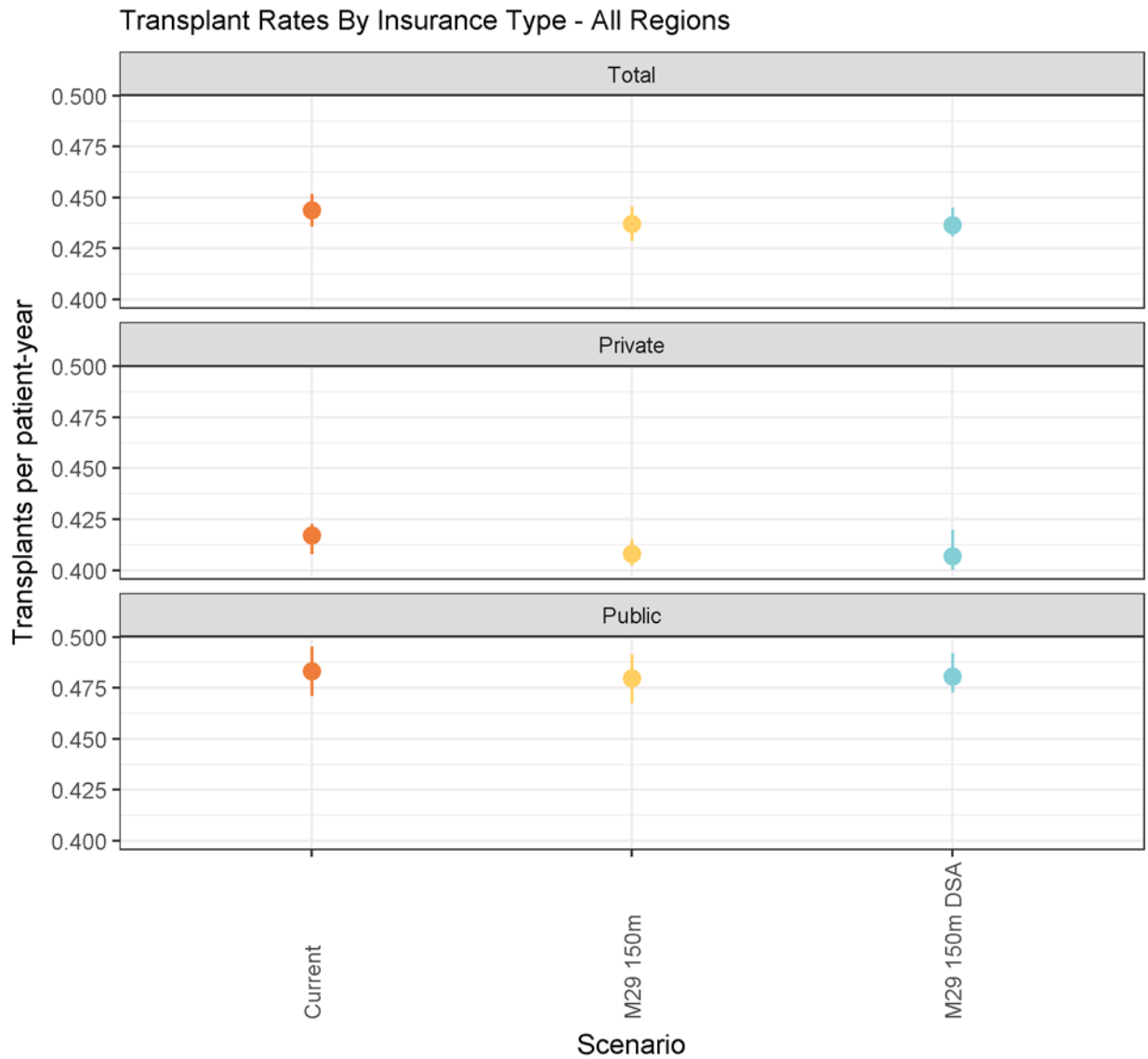


Figure 13 Transplant rates by insurance type - all regions

Table 13 Transplant rates by insurance type - all regions

Scenario	Total	Private	Public
Current	0.444 (0.436,0.452)	0.417 (0.408,0.423)	0.483 (0.471,0.495)
M29 150m	0.437 (0.429,0.446)	0.408 (0.402,0.415)	0.48 (0.468,0.491)
M29 150m DSA	0.437 (0.431,0.445)	0.407 (0.4,0.42)	0.481 (0.473,0.492)

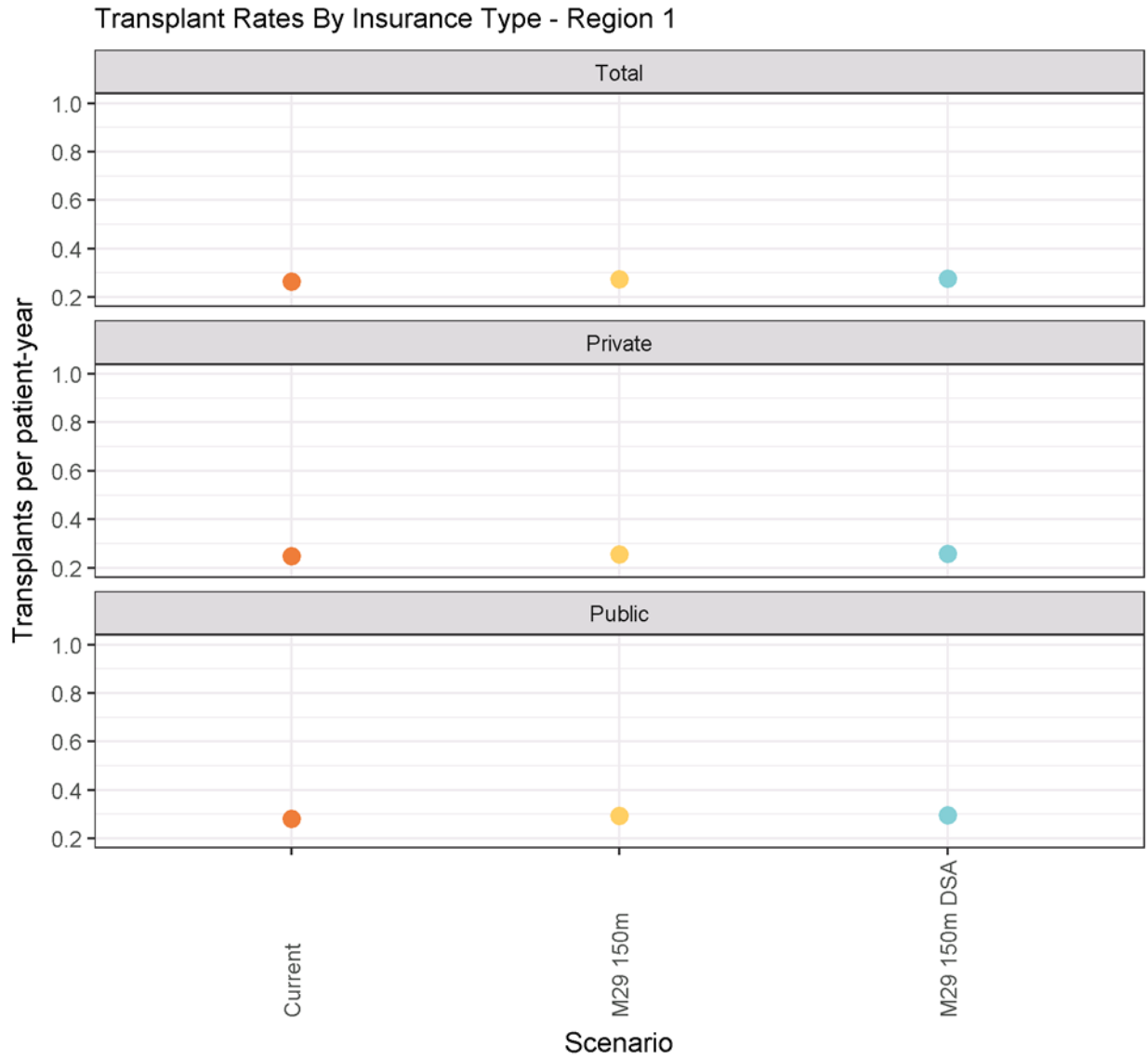


Figure 14 Transplant rates by insurance type - region 1

Table 14 Transplant rates by insurance type - region 1

Scenario	Total	Private	Public
Current	0.263 (0.252,0.282)	0.248 (0.231,0.272)	0.281 (0.262,0.318)
M29 150m	0.273 (0.264,0.291)	0.255 (0.236,0.275)	0.294 (0.273,0.31)
M29 150m DSA	0.276 (0.266,0.288)	0.257 (0.247,0.267)	0.296 (0.266,0.314)

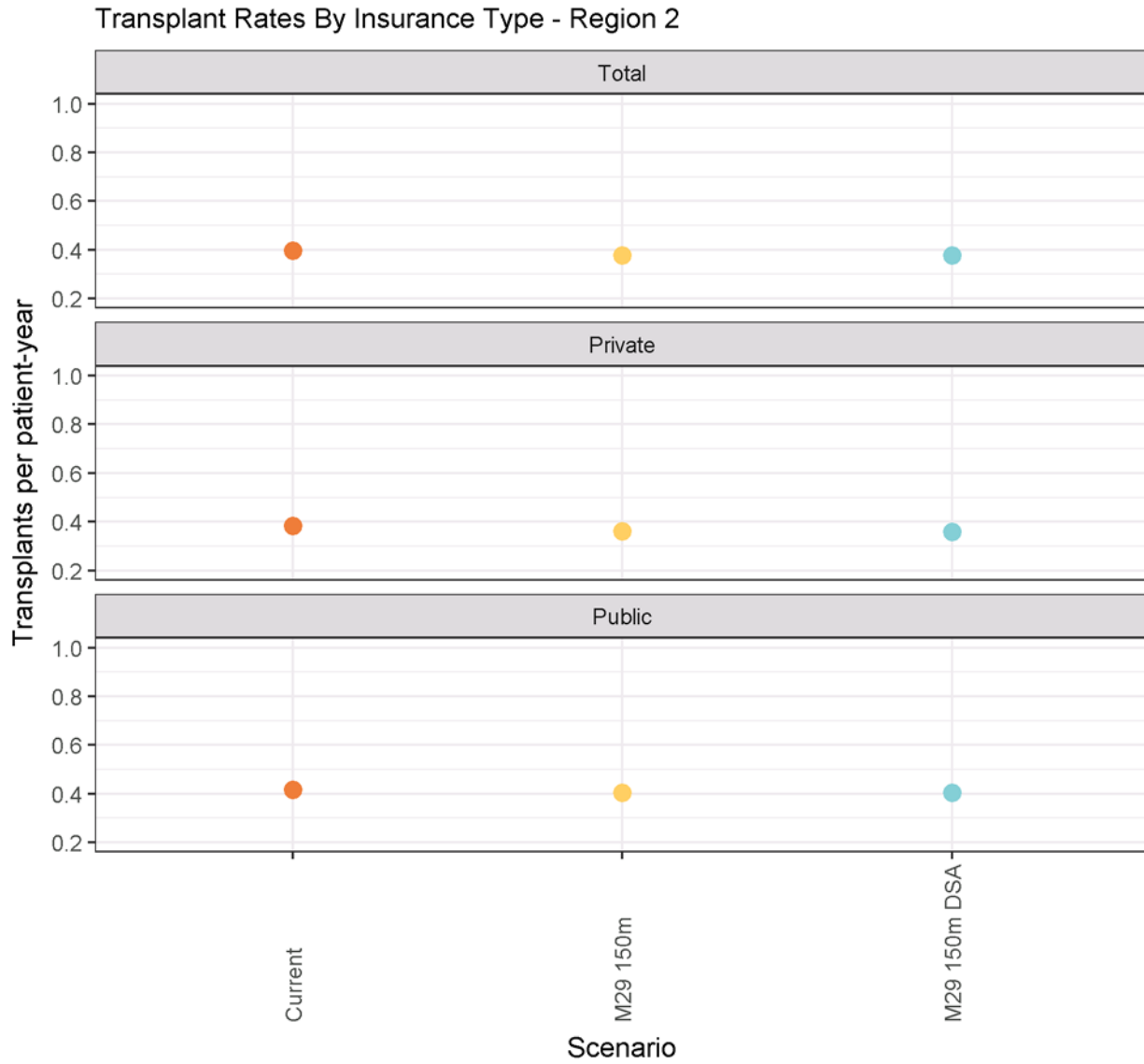


Figure 15 Transplant rates by insurance type - region 2

Table 15 Transplant rates by insurance type - region 2

Scenario	Total	Private	Public
Current	0.398 (0.377,0.415)	0.384 (0.364,0.403)	0.417 (0.395,0.452)
M29 150m	0.378 (0.371,0.388)	0.36 (0.35,0.367)	0.403 (0.392,0.42)
M29 150m DSA	0.378 (0.366,0.385)	0.359 (0.347,0.373)	0.403 (0.392,0.411)

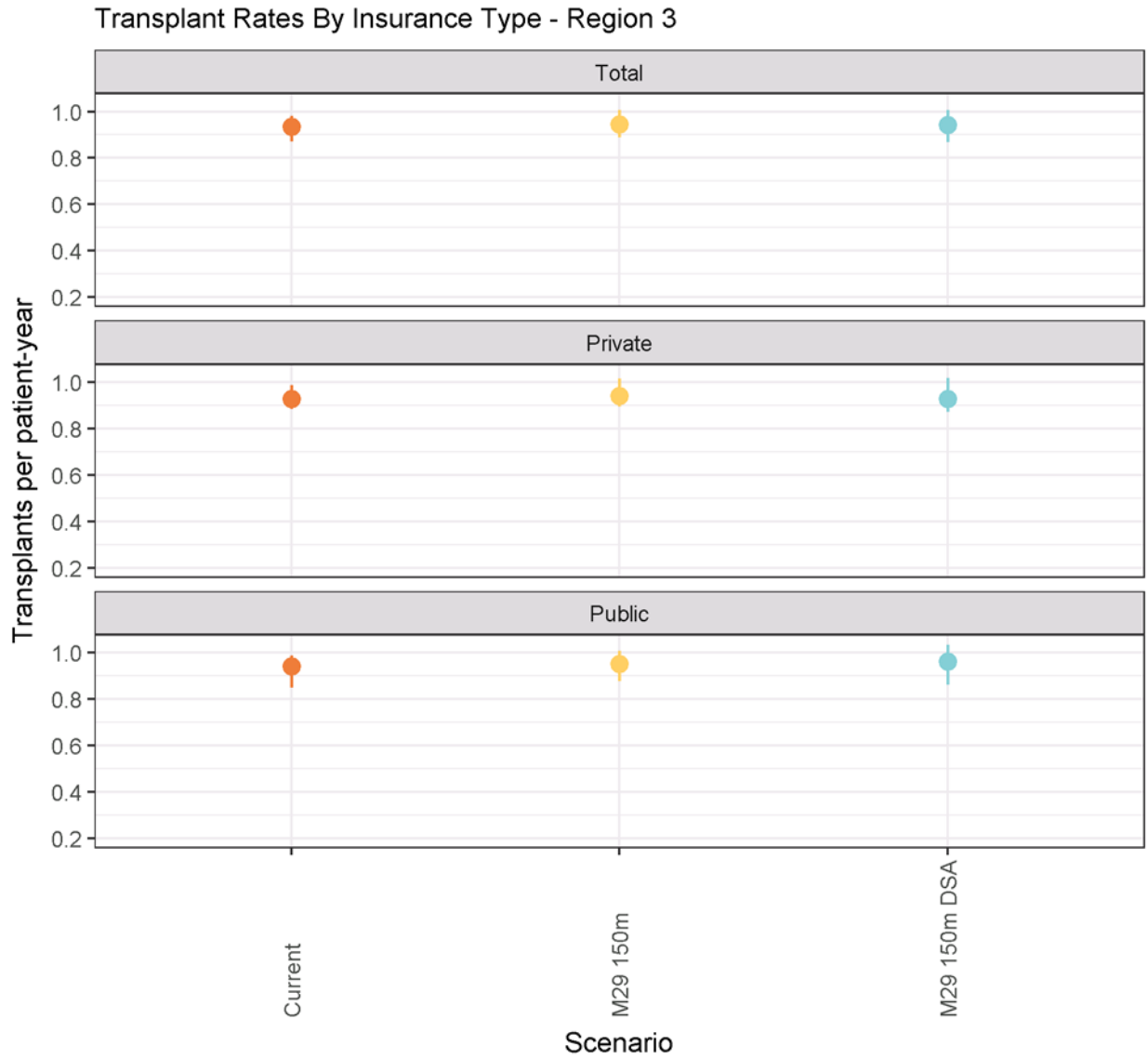


Figure 16 Transplant rates by insurance type - region 3

Table 16 Transplant rates by insurance type - region 3

Scenario	Total	Private	Public
Current	0.934 (0.87,0.981)	0.927 (0.884,0.986)	0.943 (0.851,0.989)
M29 150m	0.946 (0.888,1.006)	0.941 (0.895,1.015)	0.953 (0.879,1.009)
M29 150m DSA	0.942 (0.868,1.007)	0.928 (0.873,1.018)	0.962 (0.862,1.036)

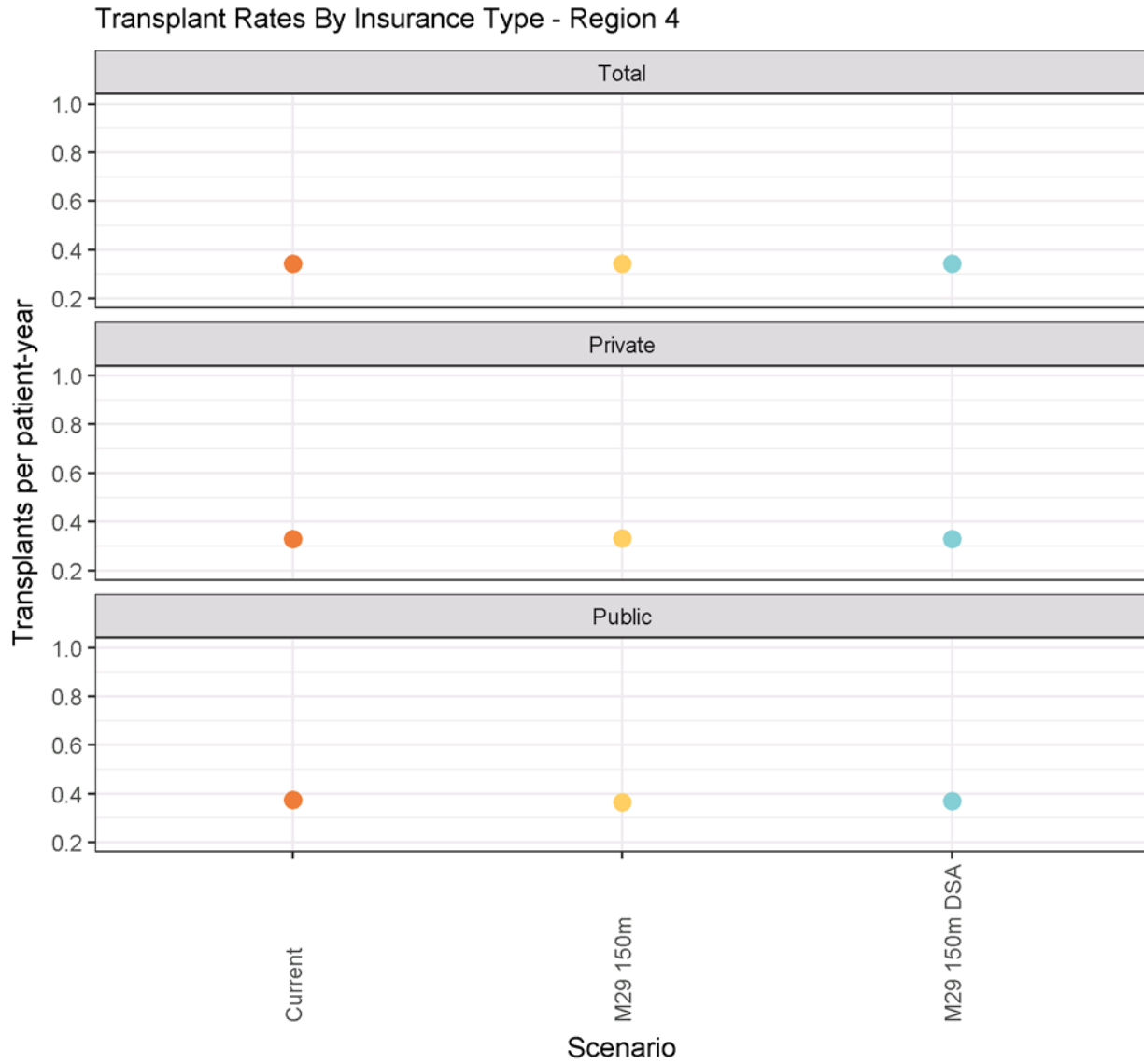


Figure 17 Transplant rates by insurance type - region 4

Table 17 Transplant rates by insurance type - region 4

Scenario	Total	Private	Public
Current	0.344 (0.335,0.356)	0.328 (0.313,0.344)	0.374 (0.356,0.39)
M29 150m	0.343 (0.327,0.36)	0.332 (0.315,0.346)	0.364 (0.348,0.387)
M29 150m DSA	0.343 (0.332,0.356)	0.329 (0.314,0.339)	0.369 (0.355,0.386)



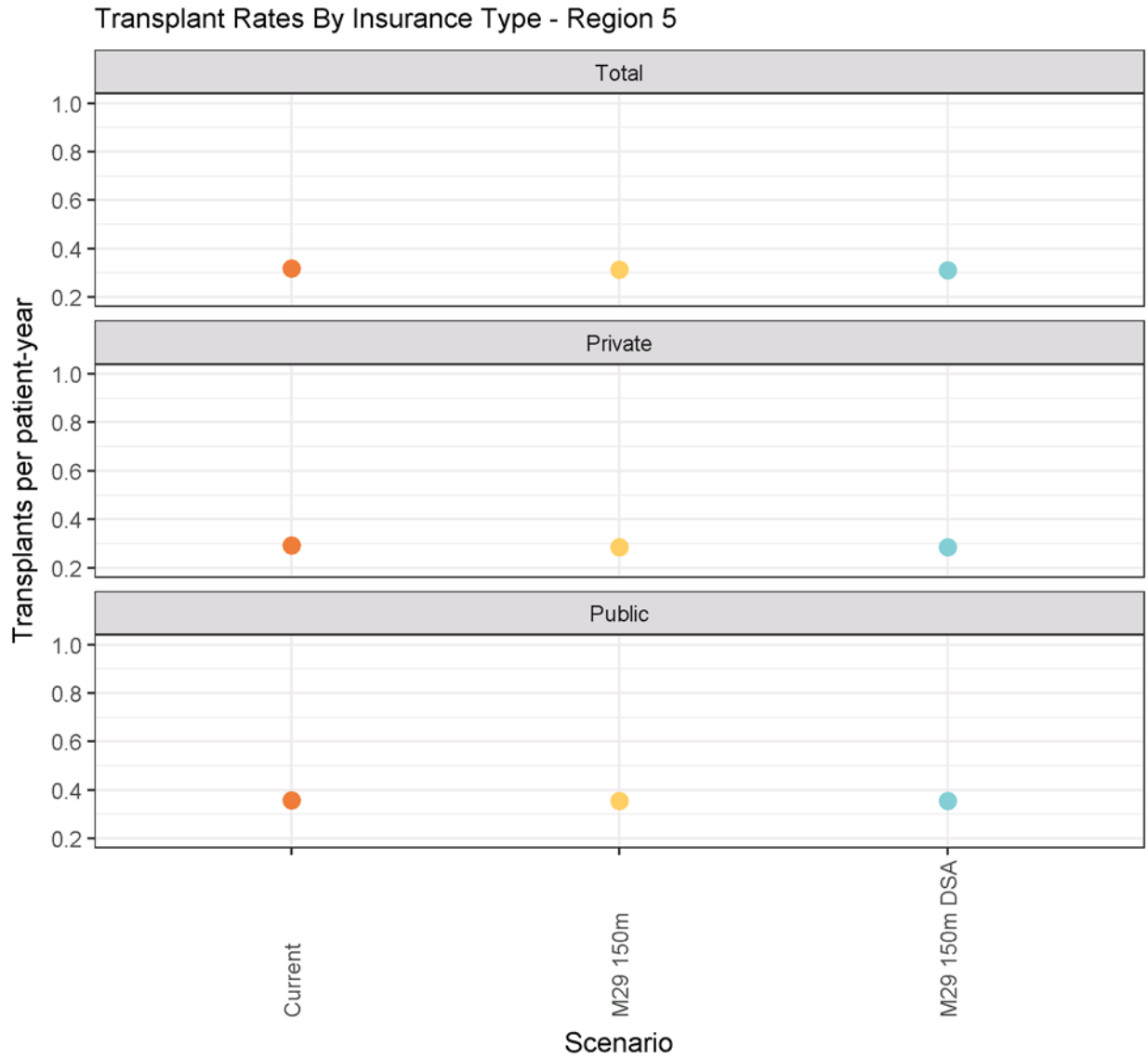


Figure 18 Transplant rates by insurance type - region 5

Table 18 Transplant rates by insurance type - region 5

Scenario	Total	Private	Public
Current	0.318 (0.305,0.325)	0.292 (0.282,0.302)	0.357 (0.337,0.371)
M29 150m	0.313 (0.3,0.319)	0.285 (0.277,0.291)	0.356 (0.336,0.368)
M29 150m DSA	0.312 (0.303,0.317)	0.284 (0.277,0.291)	0.354 (0.341,0.369)

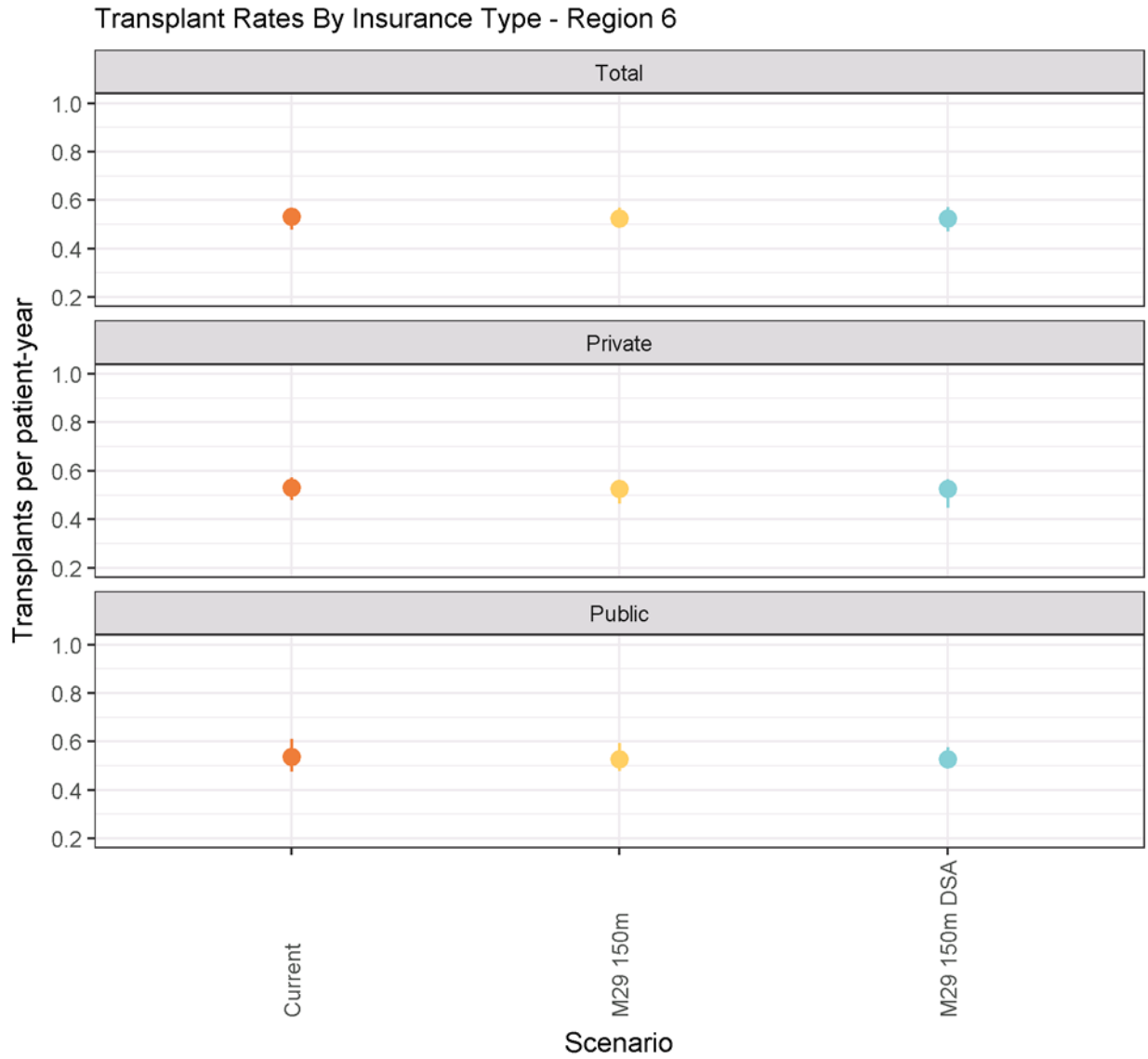


Figure 19 Transplant rates by insurance type - region 6

Table 19 Transplant rates by insurance type - region 6

Scenario	Total	Private	Public
Current	0.533 (0.477,0.558)	0.531 (0.478,0.573)	0.537 (0.476,0.612)
M29 150m	0.526 (0.486,0.568)	0.526 (0.465,0.562)	0.526 (0.479,0.594)
M29 150m DSA	0.525 (0.471,0.57)	0.525 (0.447,0.565)	0.527 (0.494,0.577)

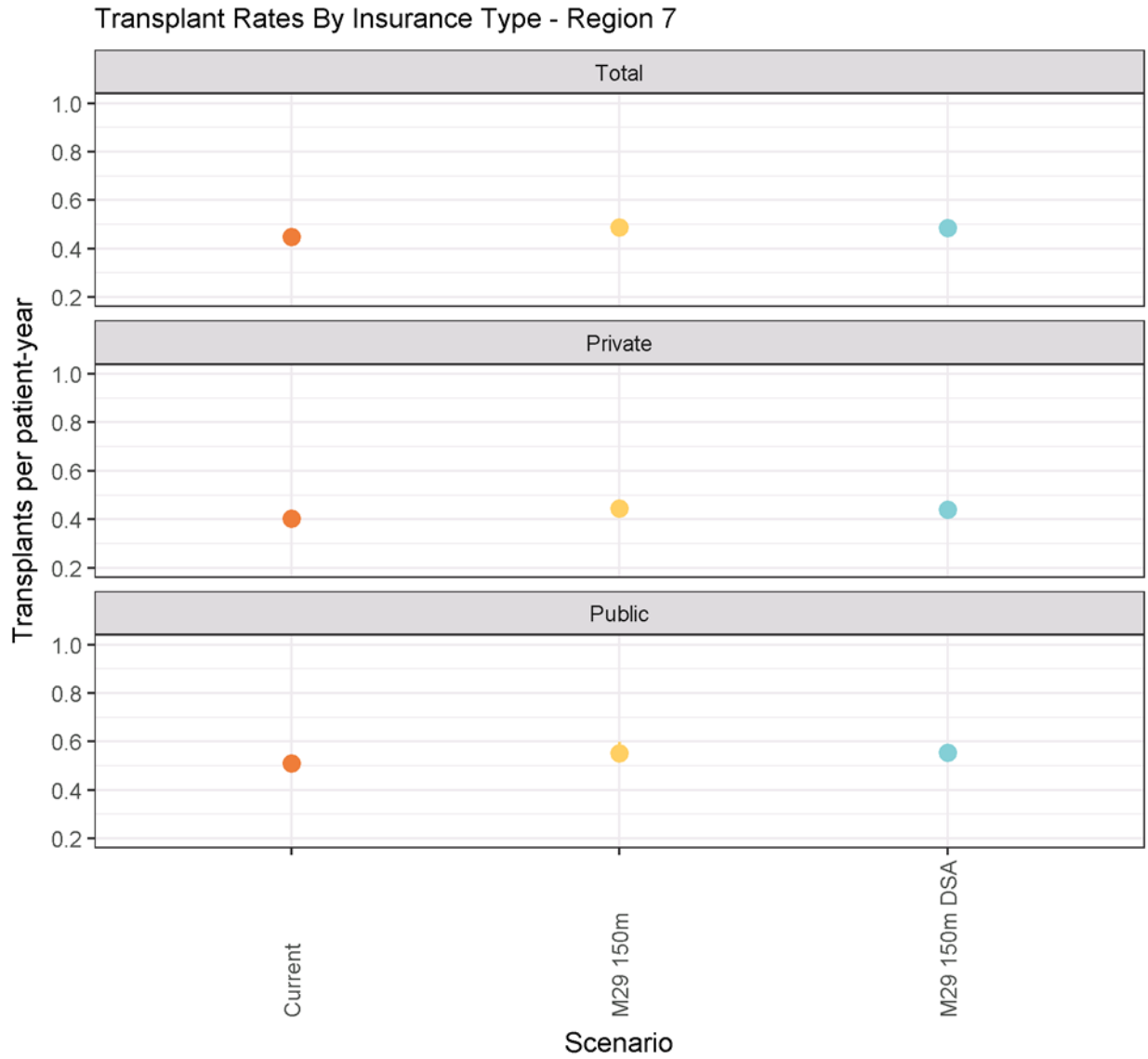


Figure 20 Transplant rates by insurance type - region 7

Table 20 Transplant rates by insurance type - region 7

Scenario	Total	Private	Public
Current	0.447 (0.43,0.47)	0.404 (0.387,0.425)	0.511 (0.487,0.547)
M29 150m	0.487 (0.474,0.514)	0.444 (0.428,0.462)	0.55 (0.523,0.599)
M29 150m DSA	0.486 (0.475,0.511)	0.44 (0.42,0.458)	0.555 (0.532,0.588)

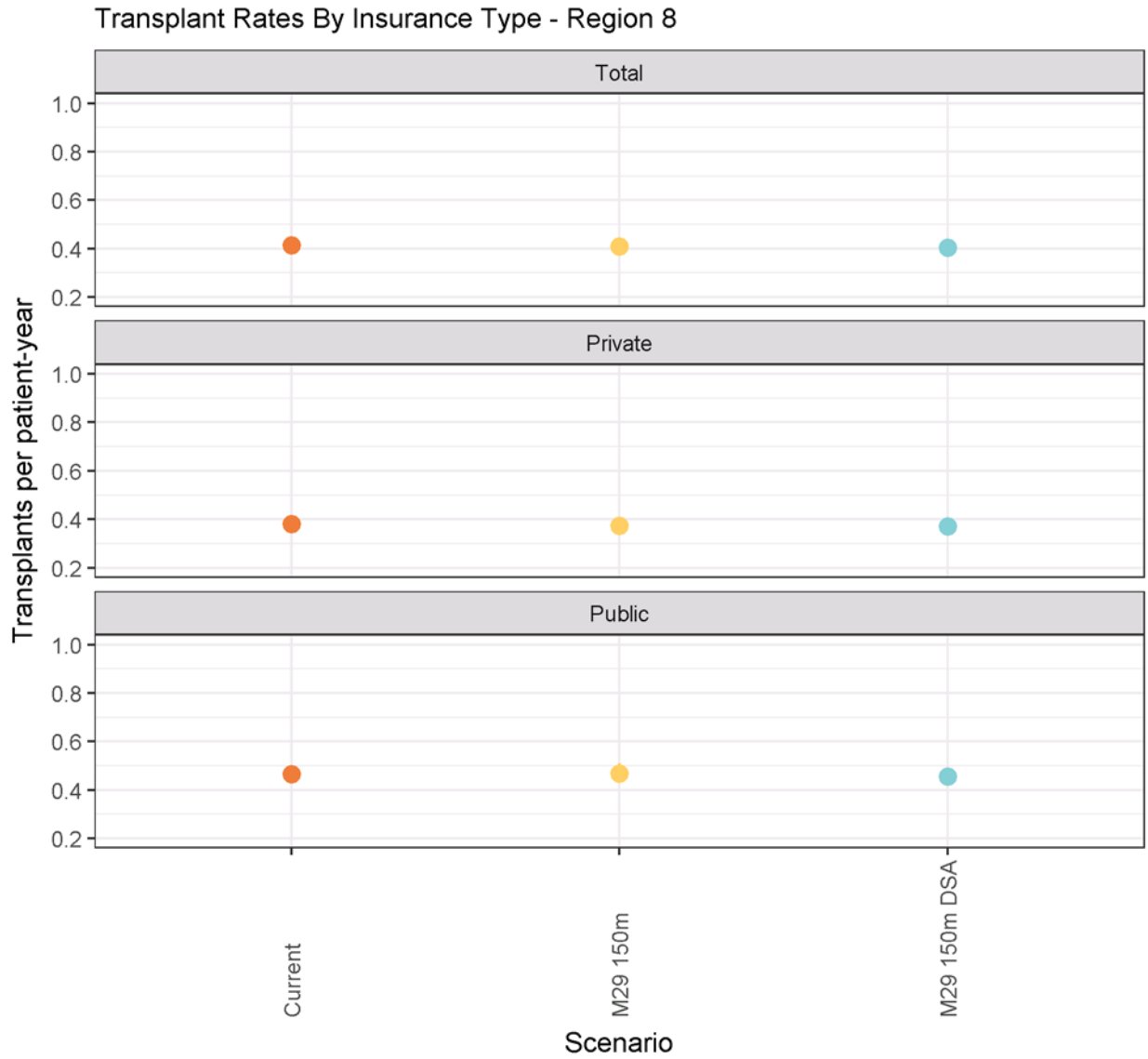


Figure 21 Transplant rates by insurance type - region 8

Table 21 Transplant rates by insurance type - region 8

Scenario	Total	Private	Public
Current	0.414 (0.391,0.44)	0.381 (0.36,0.413)	0.466 (0.433,0.497)
M29 150m	0.408 (0.386,0.426)	0.372 (0.342,0.403)	0.468 (0.447,0.509)
M29 150m DSA	0.404 (0.376,0.428)	0.372 (0.337,0.407)	0.456 (0.422,0.492)

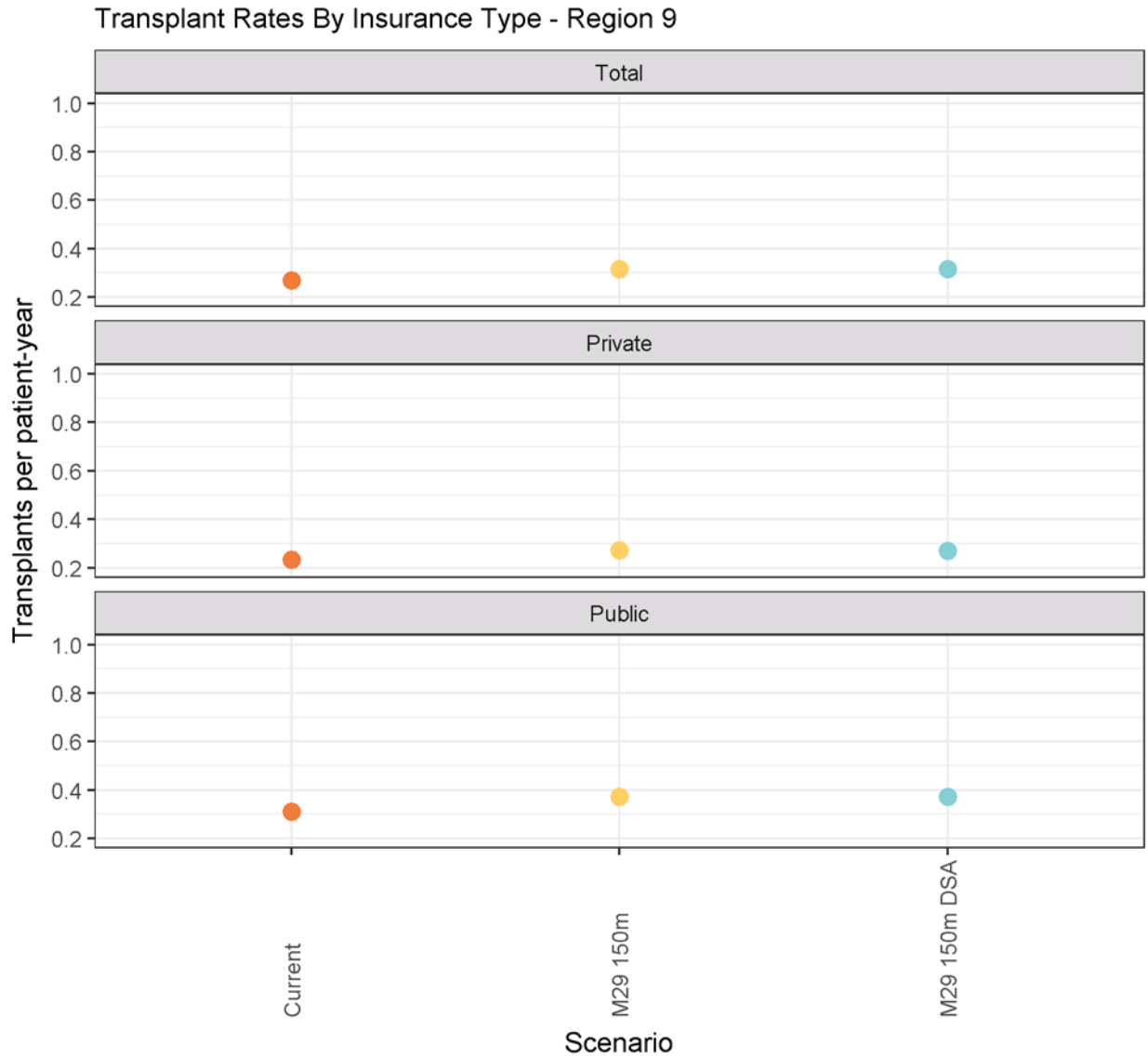


Figure 22 Transplant rates by insurance type - region 9

Table 22 Transplant rates by insurance type - region 9

Scenario	Total	Private	Public
Current	0.268 (0.253,0.283)	0.233 (0.216,0.241)	0.311 (0.289,0.335)
M29 150m	0.316 (0.297,0.334)	0.272 (0.251,0.295)	0.372 (0.347,0.394)
M29 150m DSA	0.315 (0.294,0.325)	0.269 (0.257,0.283)	0.372 (0.342,0.393)

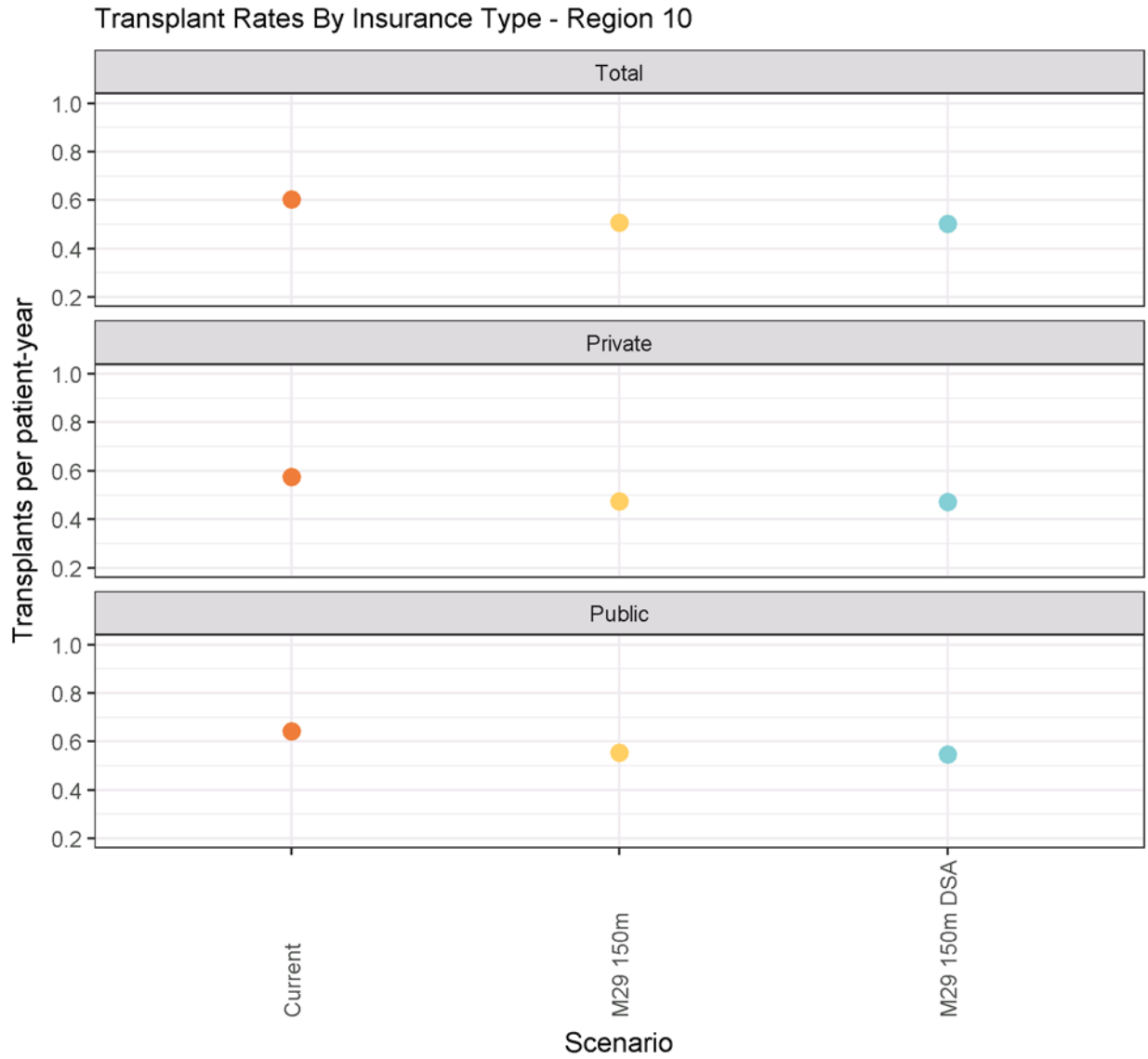


Figure 23 Transplant rates by insurance type - region 10

Table 23 Transplant rates by insurance type - region 10

Scenario	Total	Private	Public
Current	0.604 (0.589,0.624)	0.576 (0.546,0.591)	0.642 (0.61,0.674)
M29 150m	0.507 (0.485,0.527)	0.474 (0.446,0.51)	0.554 (0.524,0.578)
M29 150m DSA	0.502 (0.485,0.521)	0.471 (0.432,0.508)	0.546 (0.529,0.569)

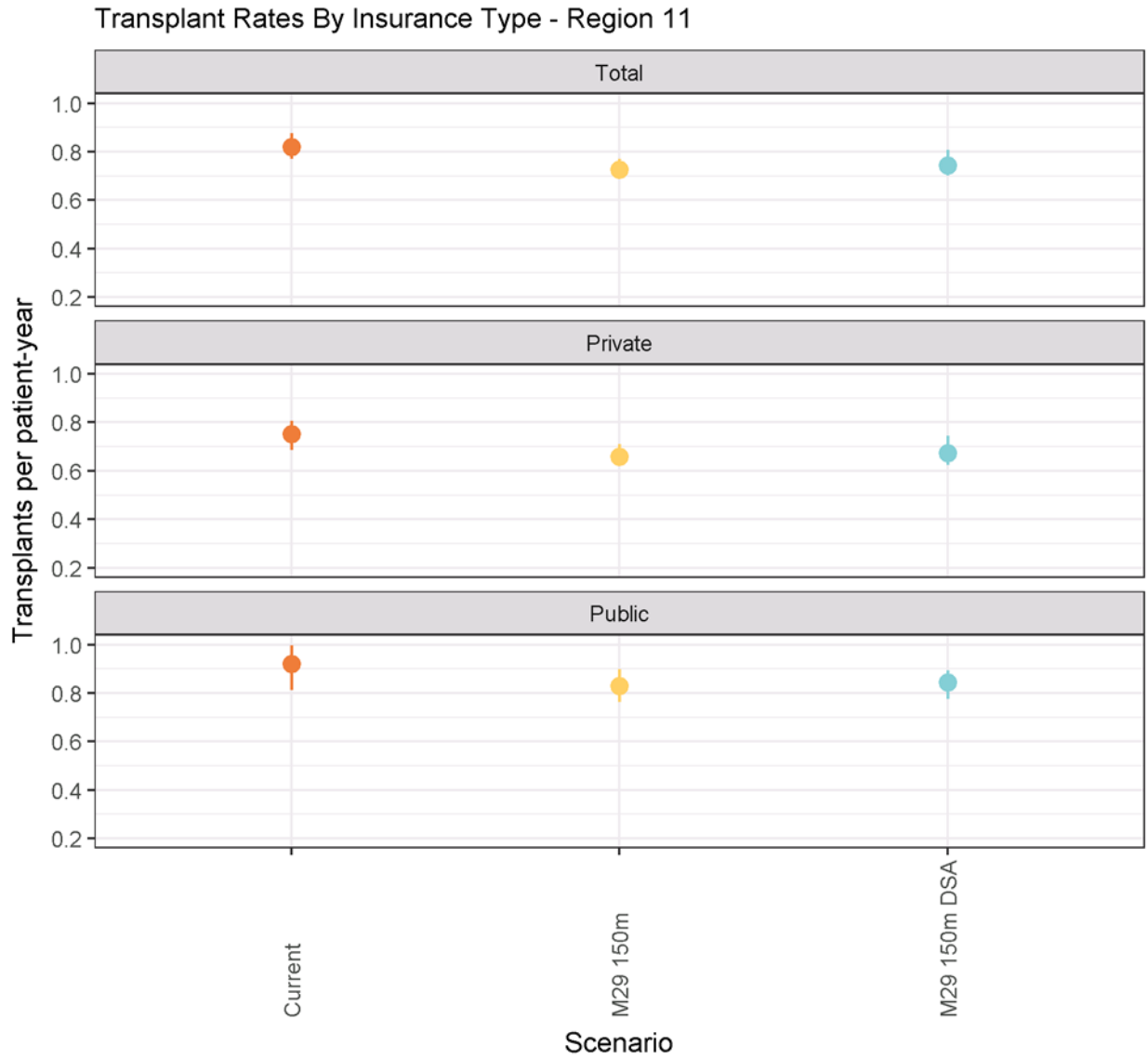


Figure 24 Transplant rates by insurance type - region 11

Table 24 Transplant rates by insurance type - region 11

Scenario	Total	Private	Public
Current	0.821 (0.769,0.875)	0.752 (0.685,0.806)	0.921 (0.812,0.997)
M29 150m	0.727 (0.694,0.771)	0.657 (0.632,0.711)	0.829 (0.764,0.898)
M29 150m DSA	0.744 (0.701,0.807)	0.673 (0.623,0.745)	0.845 (0.776,0.894)

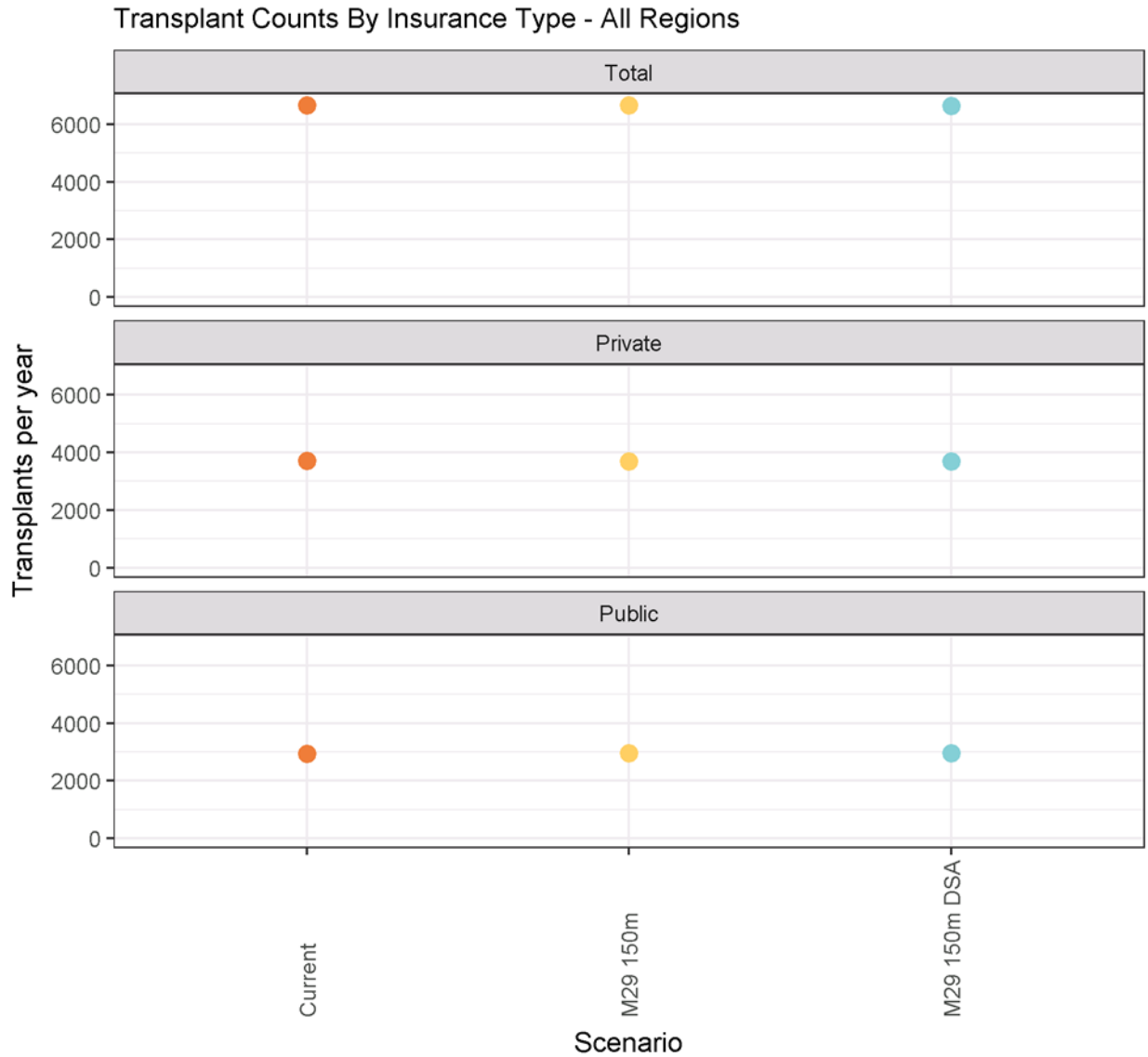


Figure 25 Transplant counts by insurance type - all regions

Table 25 Transplant counts by insurance type - all regions

Scenario	Total	Private	Public
Current	6651.1 (6575.3,6727.3)	3715.3 (3671.7,3777.7)	2935.2 (2903,2960.3)
M29 150m	6650.8 (6585.7,6728.3)	3700.9 (3655.3,3761)	2949.2 (2912.7,2982.7)
M29 150m DSA	6643.7 (6563.3,6724)	3690.4 (3638,3768.3)	2952.5 (2924.3,2975.7)



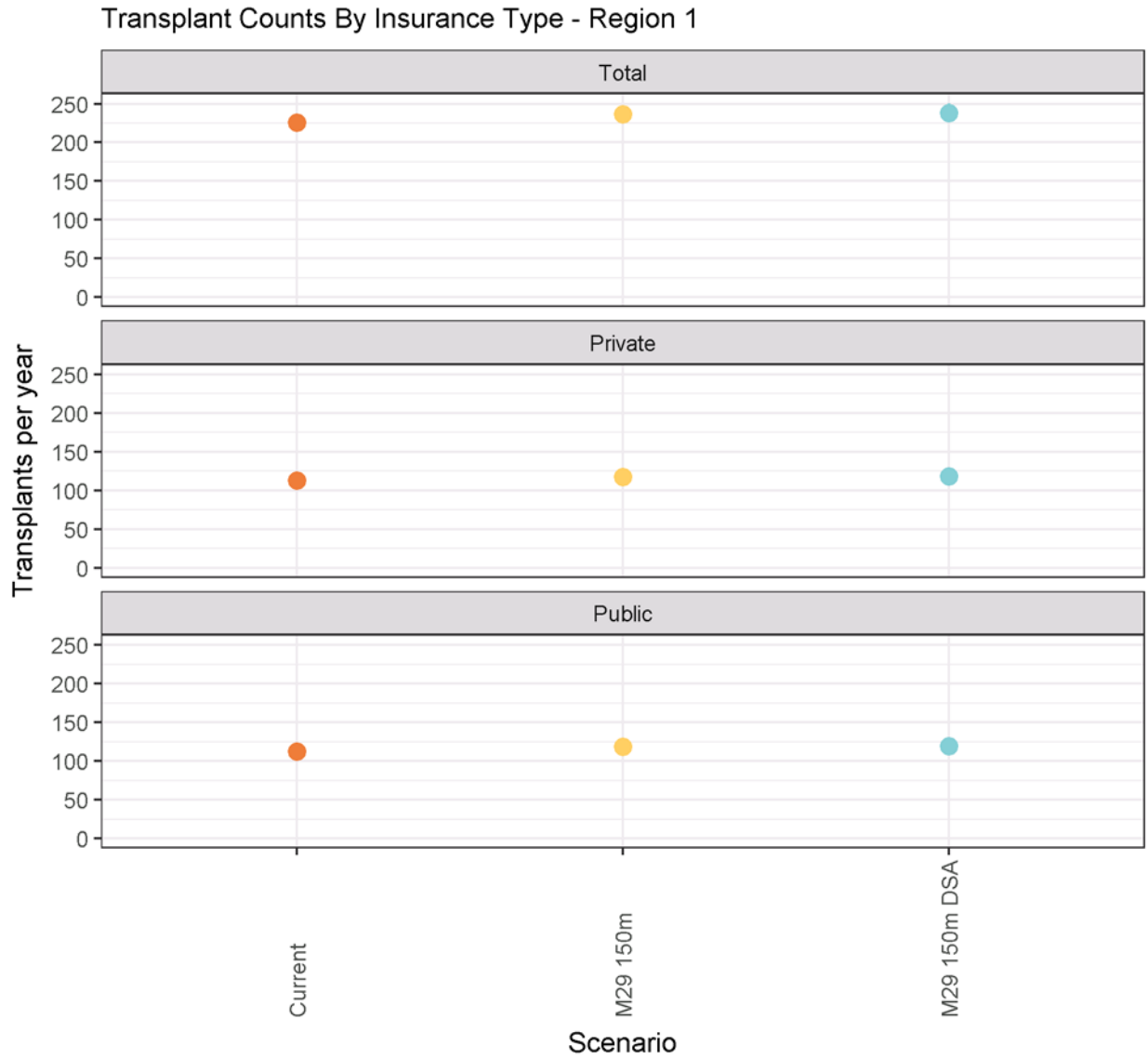


Figure 26 Transplant counts by insurance type - region 1

Table 26 Transplant counts by insurance type - region 1

Scenario	Total	Private	Public
Current	225.6 (218.3,235.7)	112.9 (104,123)	112.7 (105.7,122.7)
M29 150m	236.6 (228.7,245.3)	117.7 (112.3,124.7)	118.9 (112.3,125.7)
M29 150m DSA	238.2 (232.7,250.7)	118.5 (112.3,123.7)	119.7 (111.7,129.3)

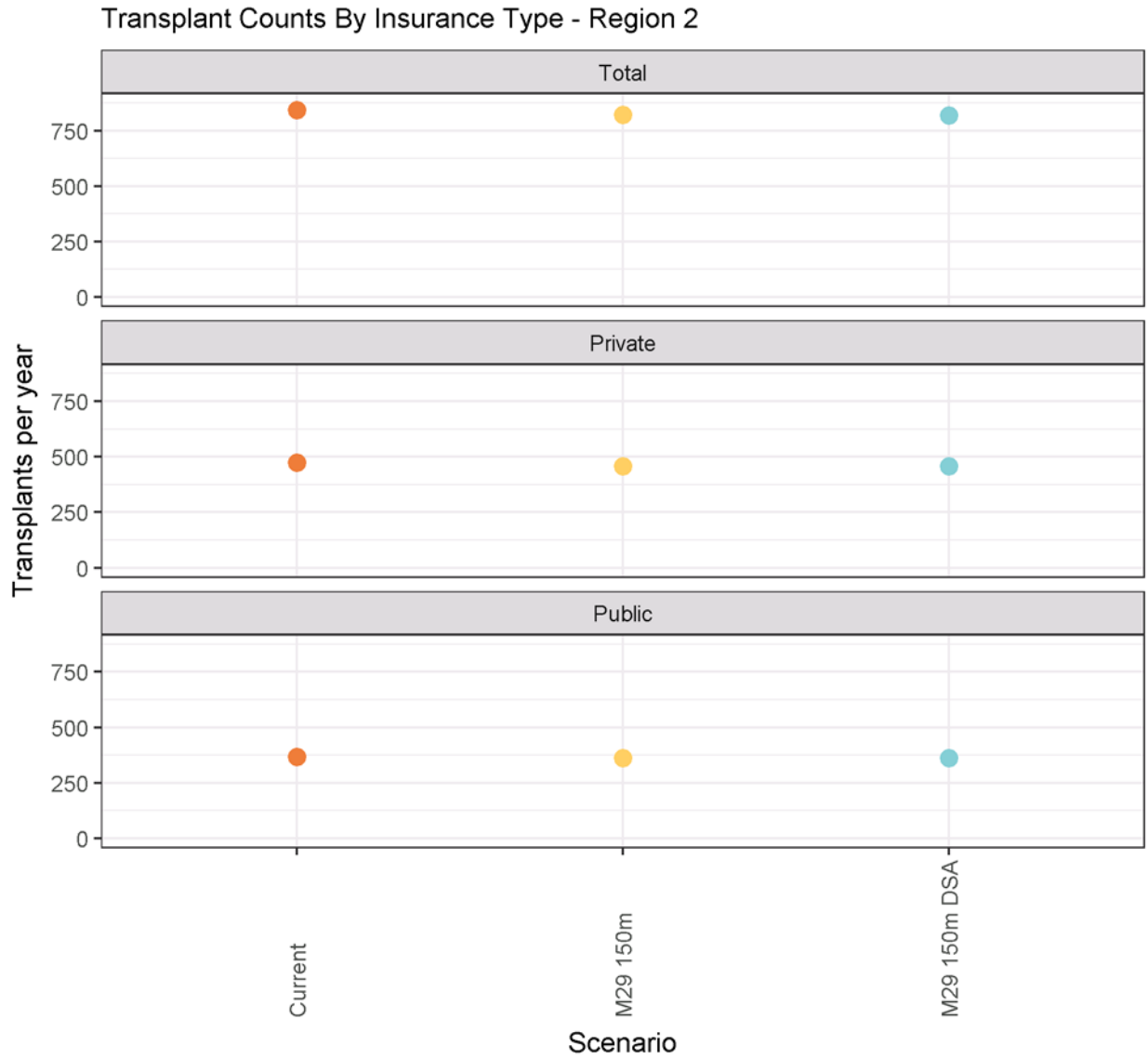


Figure 27 Transplant counts by insurance type - region 2

Table 27 Transplant counts by insurance type - region 2

Scenario	Total	Private	Public
Current	842.3 (813.3,873)	474.2 (456.3,488.3)	368 (346.3,392.3)
M29 150m	821.2 (805.7,839.7)	458.3 (449.3,470.7)	362.9 (355.3,377)
M29 150m DSA	819.7 (794,840.7)	457.5 (439.7,475.7)	362.2 (354.3,372.3)

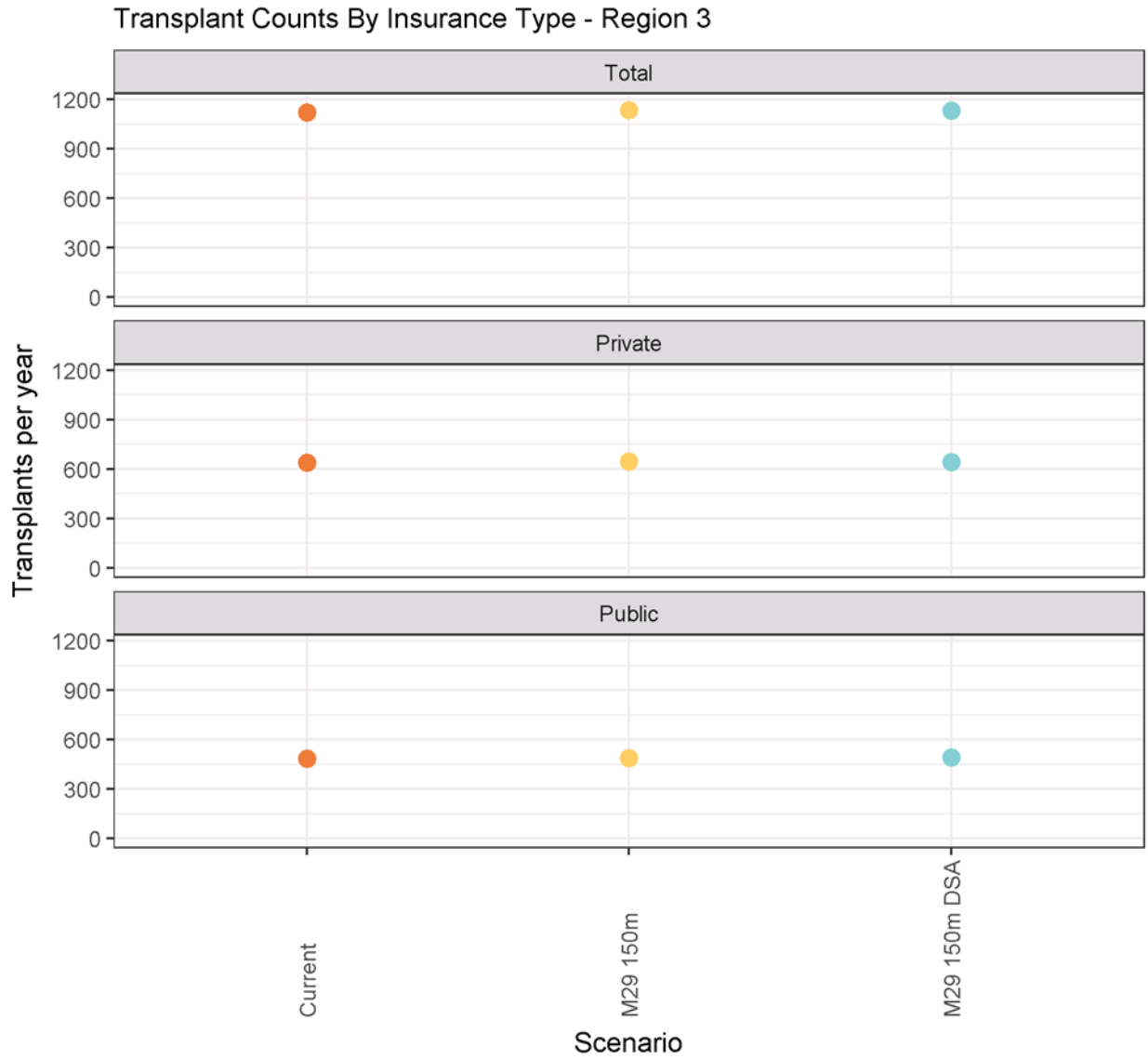


Figure 28 Transplant counts by insurance type - region 3

Table 28 Transplant counts by insurance type - region 3

Scenario	Total	Private	Public
Current	1121 (1092.3,1156.7)	637.8 (625,648.7)	483.2 (457.3,508)
M29 150m	1136.2 (1111.3,1171.7)	646.9 (632.3,660.3)	489.2 (470,515)
M29 150m DSA	1132.6 (1098,1177.3)	642 (629.7,658.7)	490.5 (466.7,521.7)

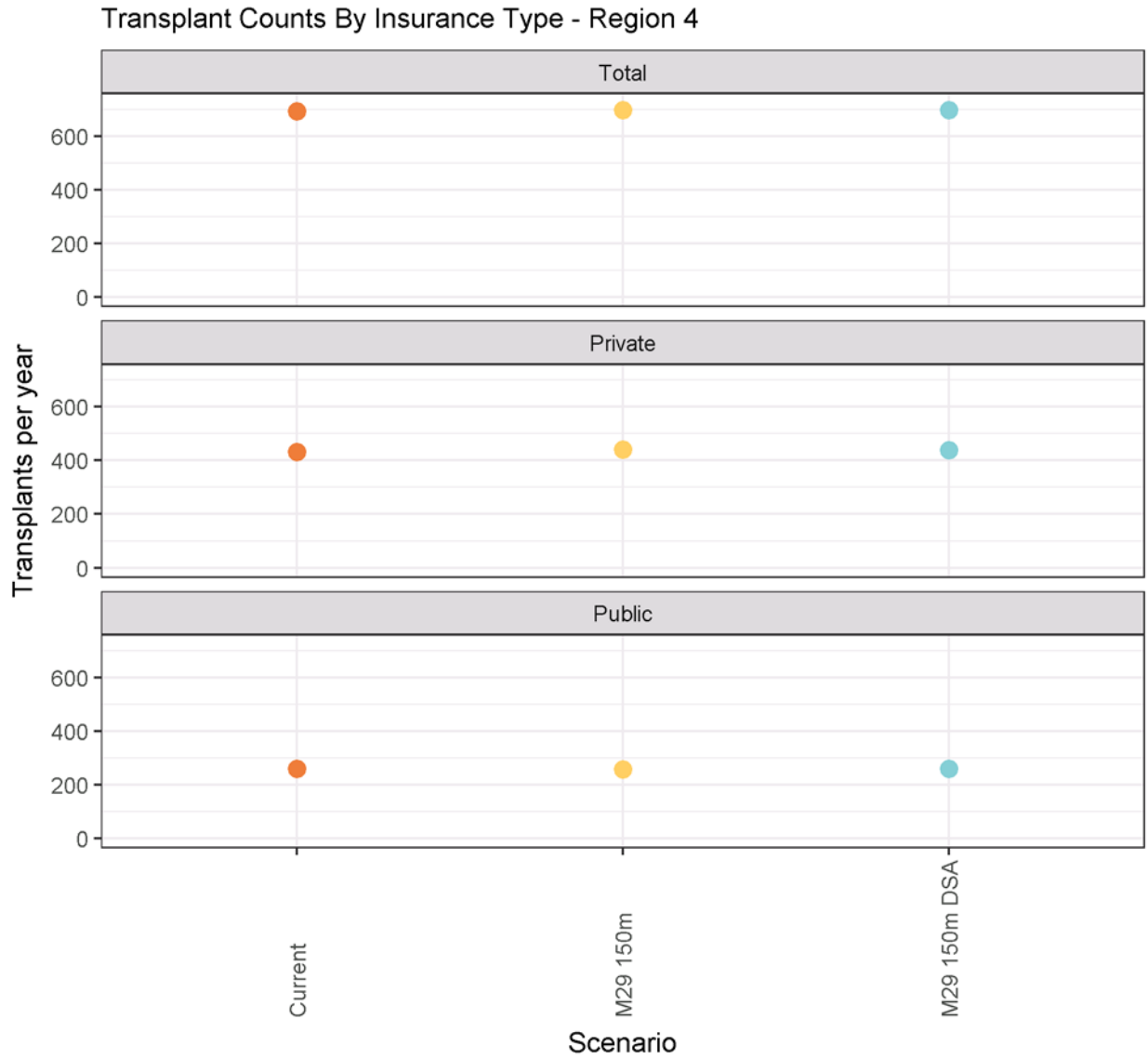


Figure 29 Transplant counts by insurance type - region 4

Table 29 Transplant counts by insurance type - region 4

Scenario	Total	Private	Public
Current	691.8 (667.3,710)	432 (409.3,442.3)	259.8 (246.3,269.7)
M29 150m	698.2 (680.3,722.3)	441.7 (425,453)	256.5 (246,269.3)
M29 150m DSA	698 (676,715.7)	438.6 (423,447.3)	259.4 (249.3,273.7)

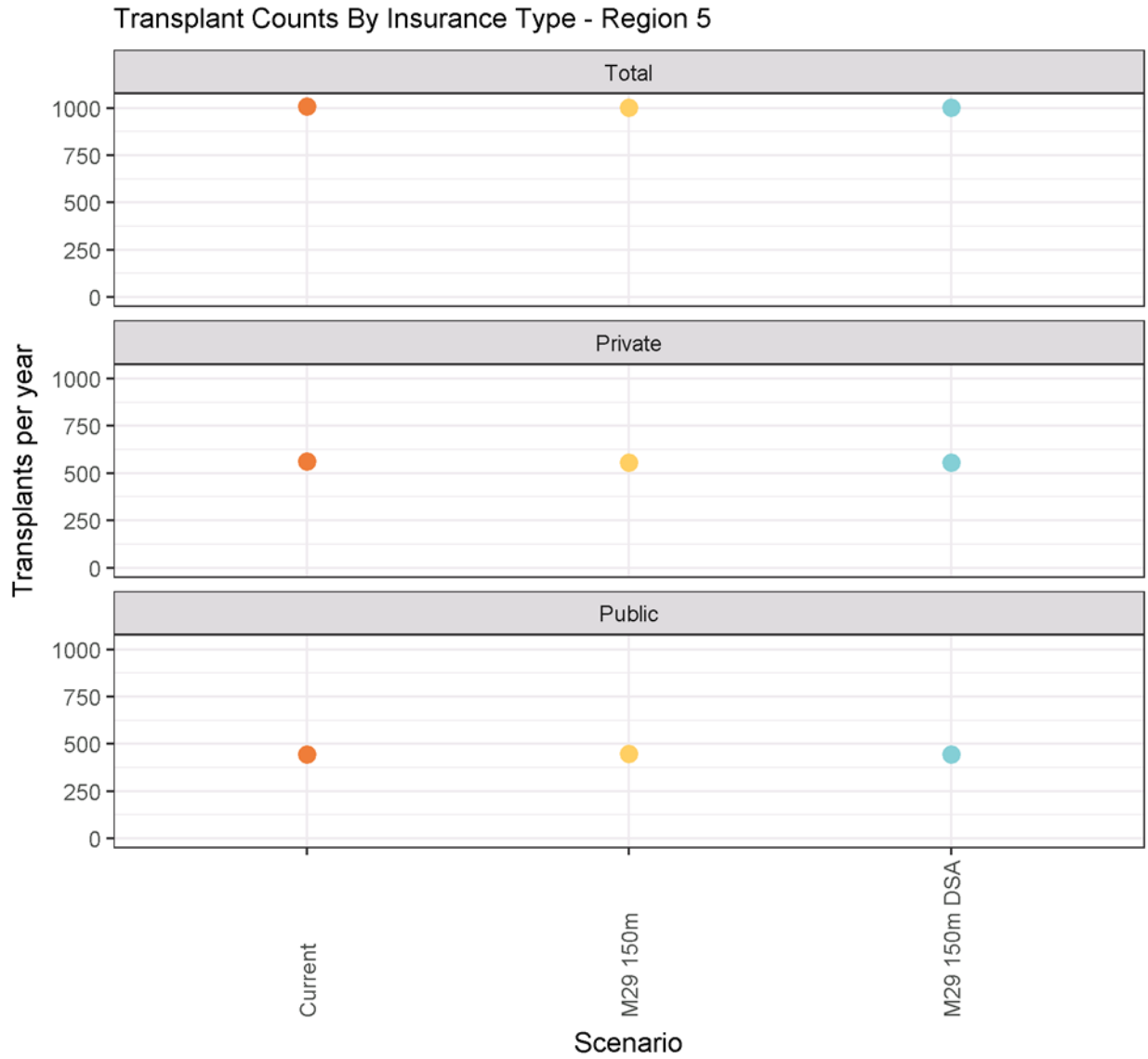


Figure 30 Transplant counts by insurance type - region 5

Table 30 Transplant counts by insurance type - region 5

Scenario	Total	Private	Public
Current	1008.5 (982.7,1022.7)	562.5 (536.3,578)	445.7 (432,465.3)
M29 150m	1003.4 (984.7,1025)	555.7 (541,565.7)	447.4 (435.3,467)
M29 150m DSA	1001.1 (979,1018)	555.2 (537,570.3)	445.6 (435.7,465.3)

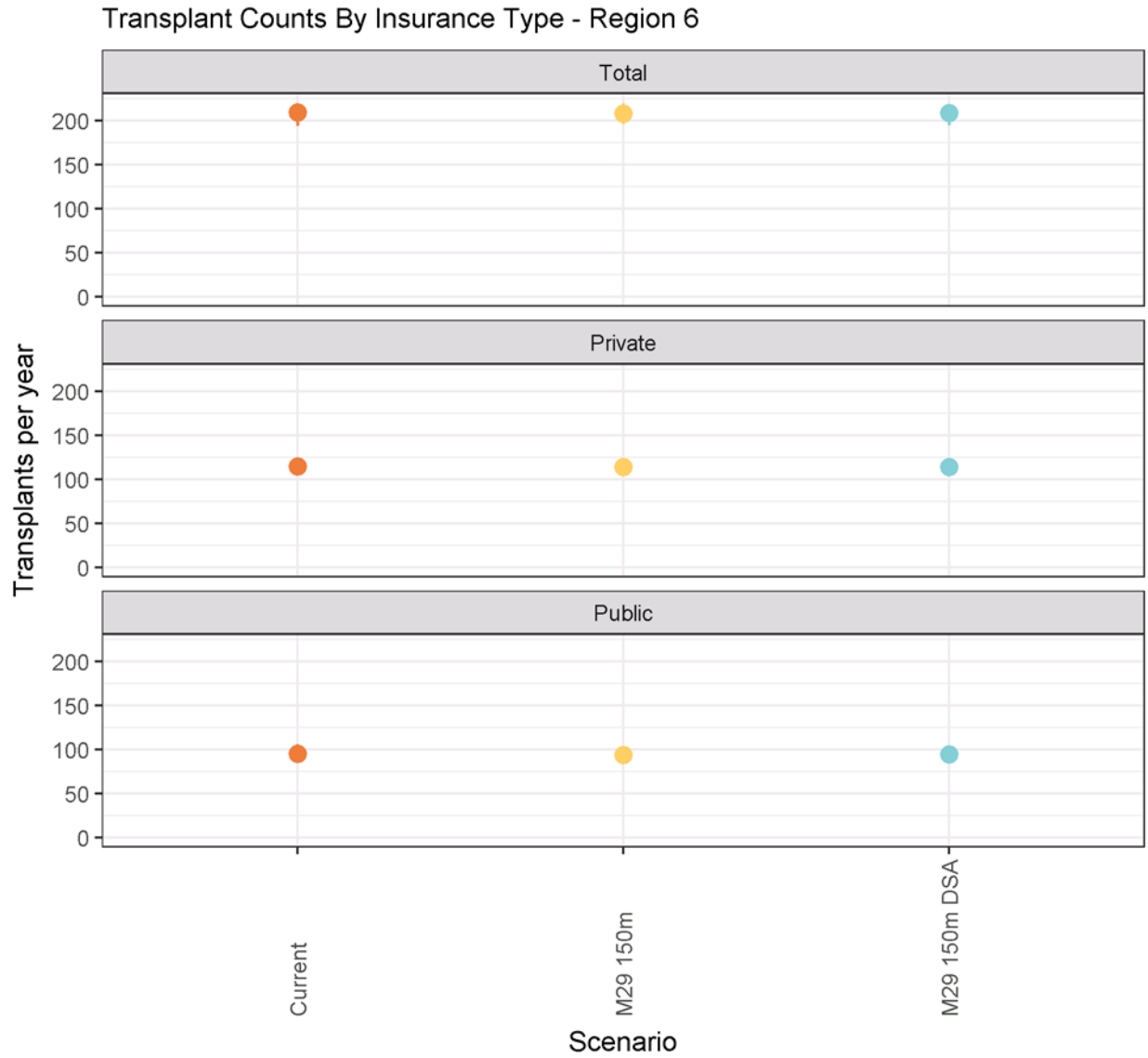


Figure 31 Transplant counts by insurance type - region 6

Table 31 Transplant counts by insurance type - region 6

Scenario	Total	Private	Public
Current	209.9 (194,219)	114.5 (108.3,123.7)	95.5 (85.7,106.3)
M29 150m	208.5 (196.3,220)	114.2 (106.3,121.3)	94.3 (87.7,101)
M29 150m DSA	208.8 (195,216.3)	113.9 (105,119)	94.9 (88.3,100.7)

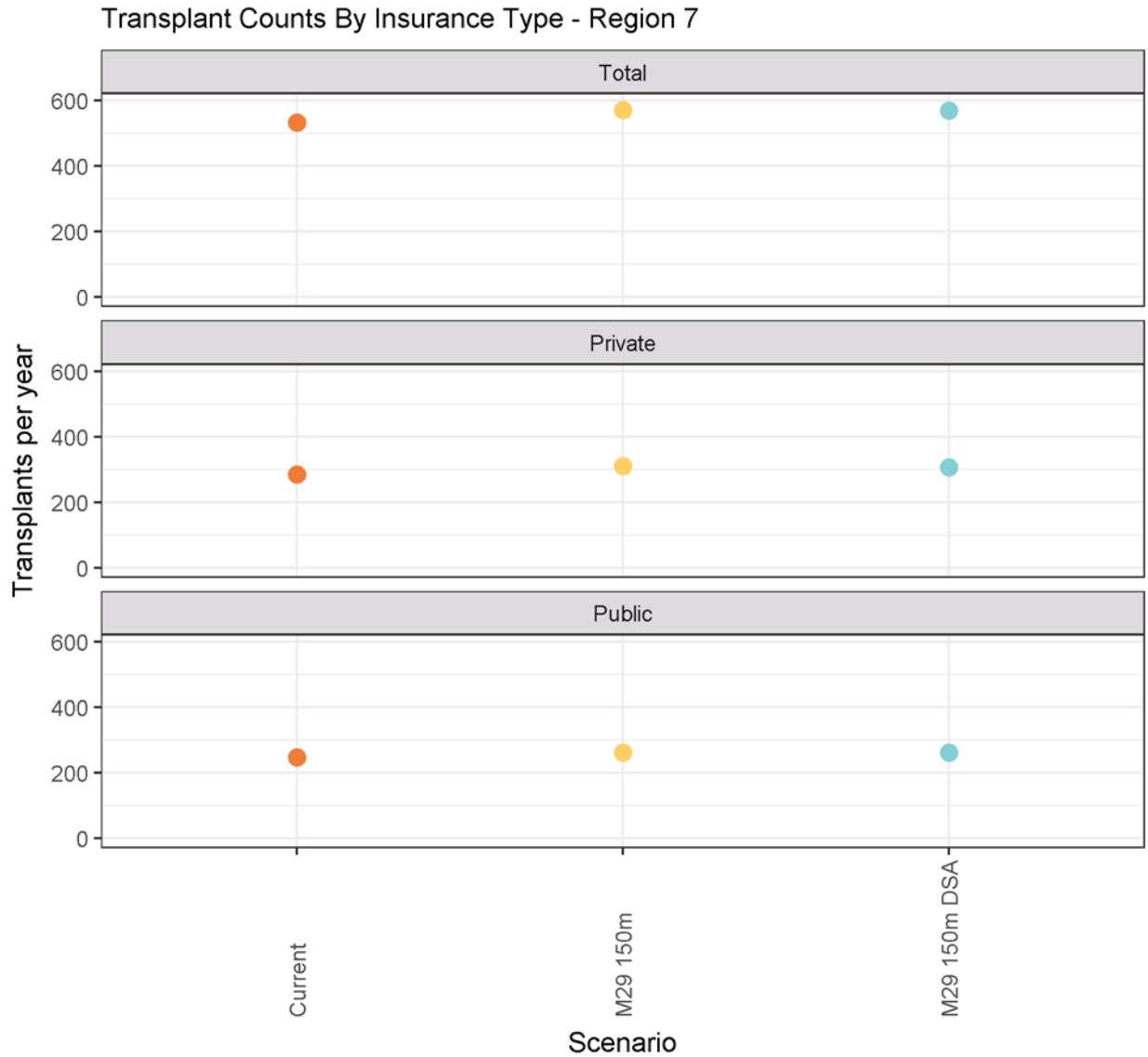


Figure 32 Transplant counts by insurance type - region 7

Table 32 Transplant counts by insurance type - region 7

Scenario	Total	Private	Public
Current	532.1 (511.3,550)	285.3 (275,298.7)	246.7 (236.3,258)
M29 150m	570.9 (552.3,591.7)	309.8 (297.7,319.7)	261.1 (251.3,278)
M29 150m DSA	569.1 (552,587.3)	306.7 (295,317.3)	262.4 (252.3,274)

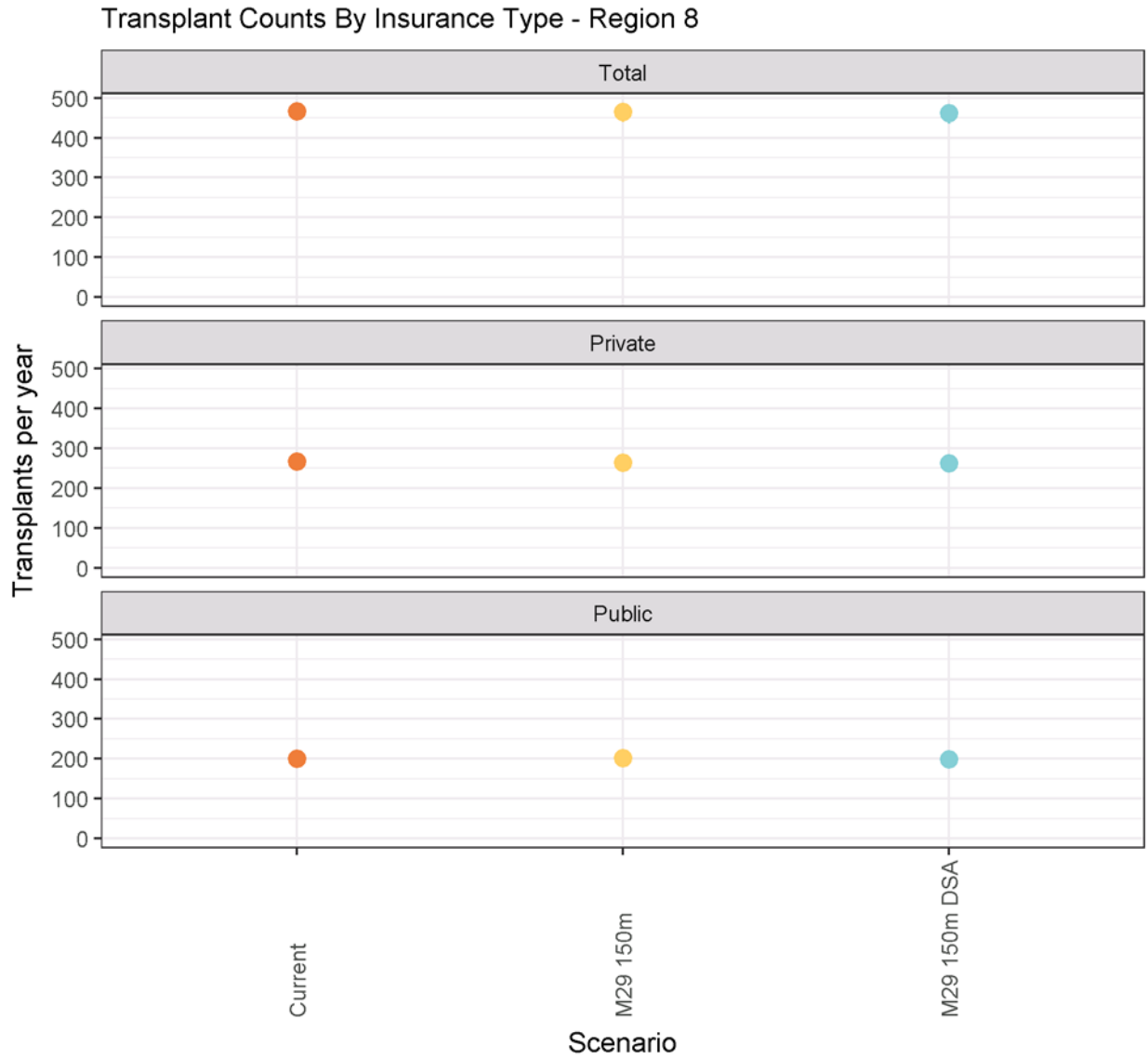


Figure 33 Transplant counts by insurance type - region 8

Table 33 Transplant counts by insurance type - region 8

Scenario	Total	Private	Public
Current	466.4 (442.3,486.7)	266.5 (247.7,280.3)	199.9 (184.3,211)
M29 150m	465.9 (439.7,482.7)	264.5 (241.7,279.7)	201.4 (185.7,210)
M29 150m DSA	461.5 (435.7,479.7)	263 (239.3,278)	198.5 (178.7,209.7)



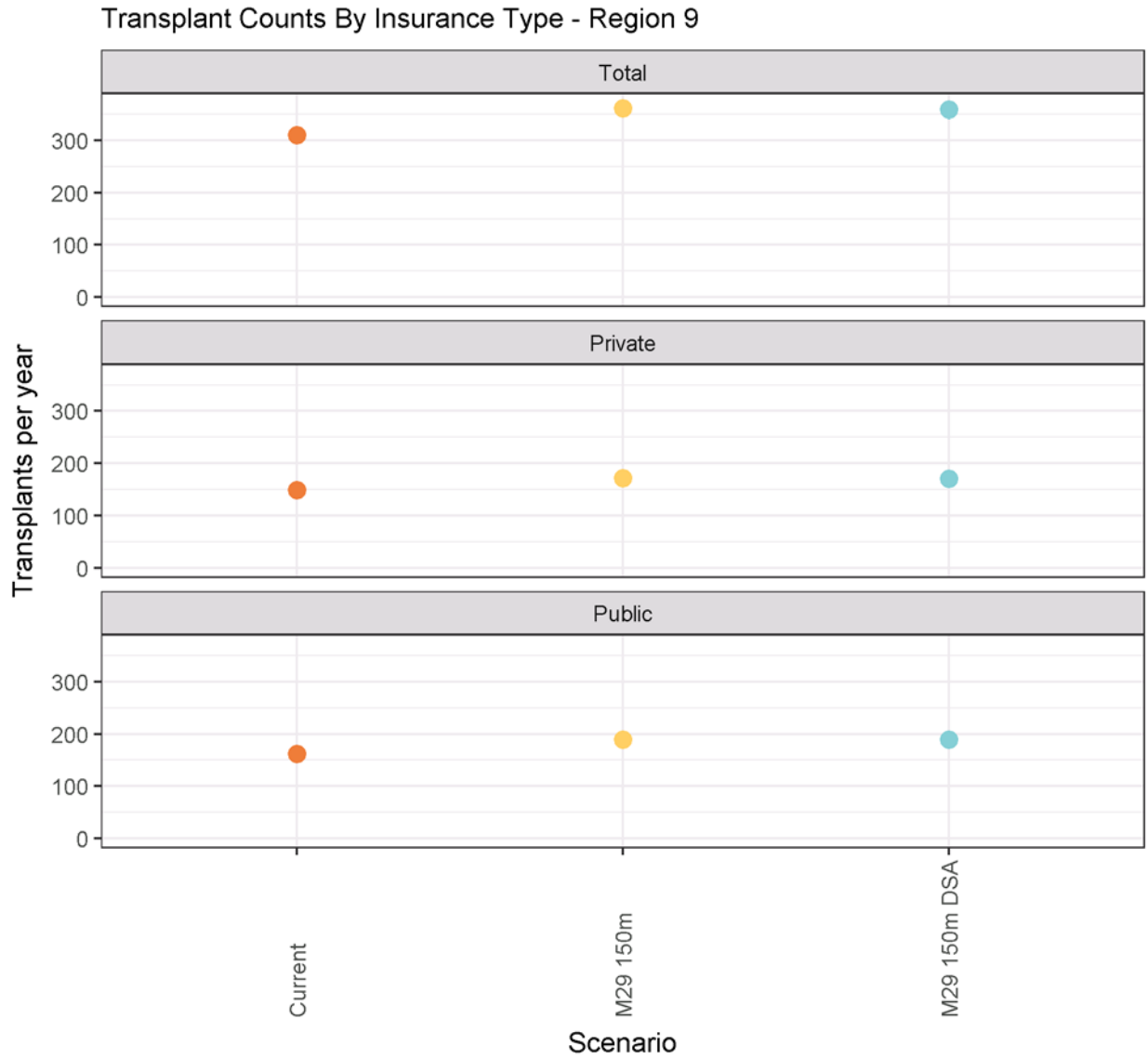


Figure 34 Transplant counts by insurance type - region 9

Table 34 Transplant counts by insurance type - region 9

Scenario	Total	Private	Public
Current	310.5 (295,322.3)	149 (139.3,155)	161.4 (151.7,168.7)
M29 150m	361.1 (348.7,371)	171.6 (163.3,181)	189.3 (175.7,197.7)
M29 150m DSA	359.5 (339.7,367.7)	170.3 (166.3,179.7)	188.9 (173.3,200)

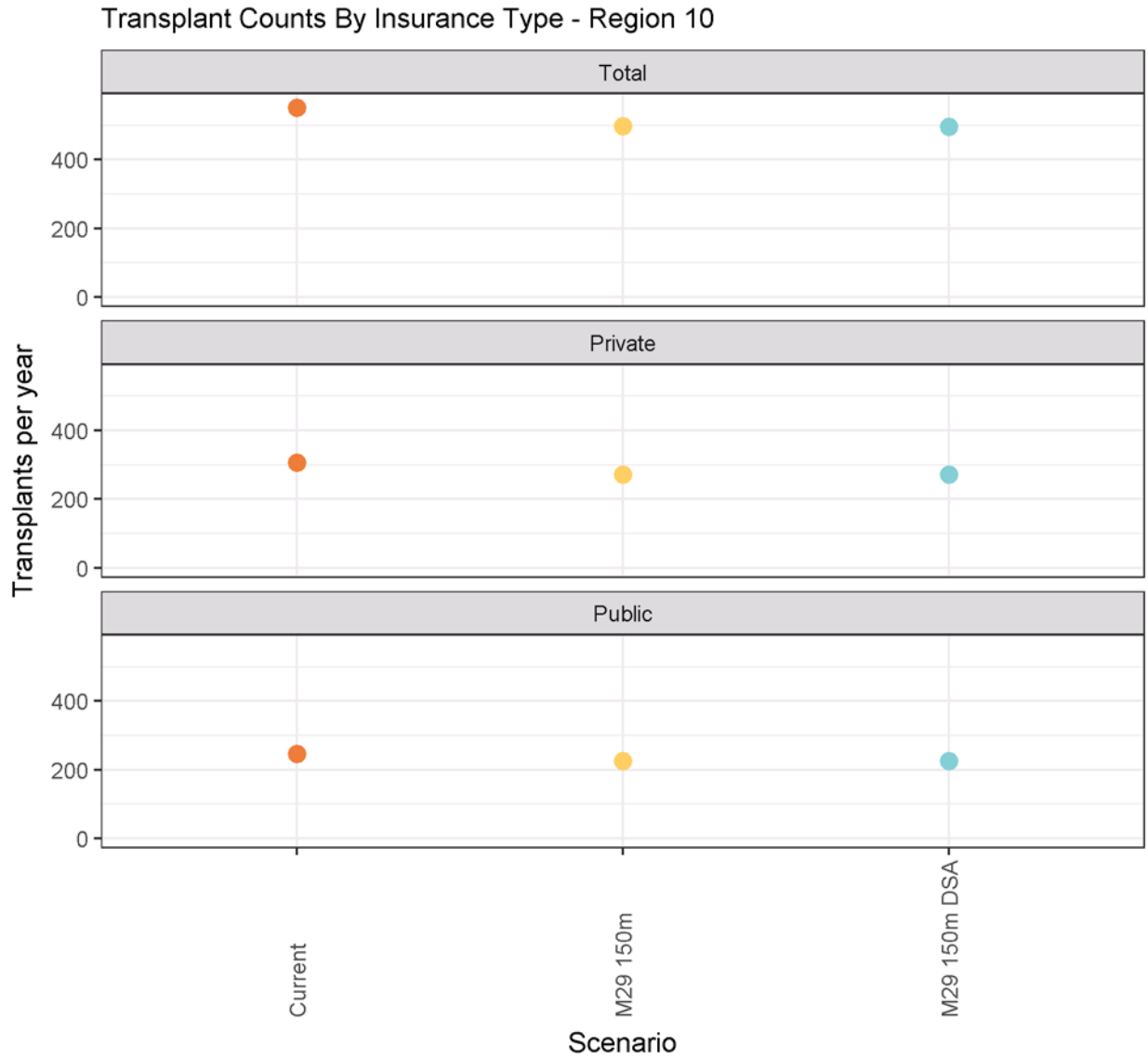


Figure 35 Transplant counts by insurance type - region 10

Table 35 Transplant counts by insurance type - region 10

Scenario	Total	Private	Public
Current	552.1 (540,564.3)	305.8 (290.7,318)	246.4 (238.3,256.3)
M29 150m	497.6 (481.7,507.7)	271.6 (252.3,286)	226.1 (220.3,232.3)
M29 150m DSA	496.3 (477.7,509.3)	271.4 (248.3,283.7)	224.9 (213.7,234.3)

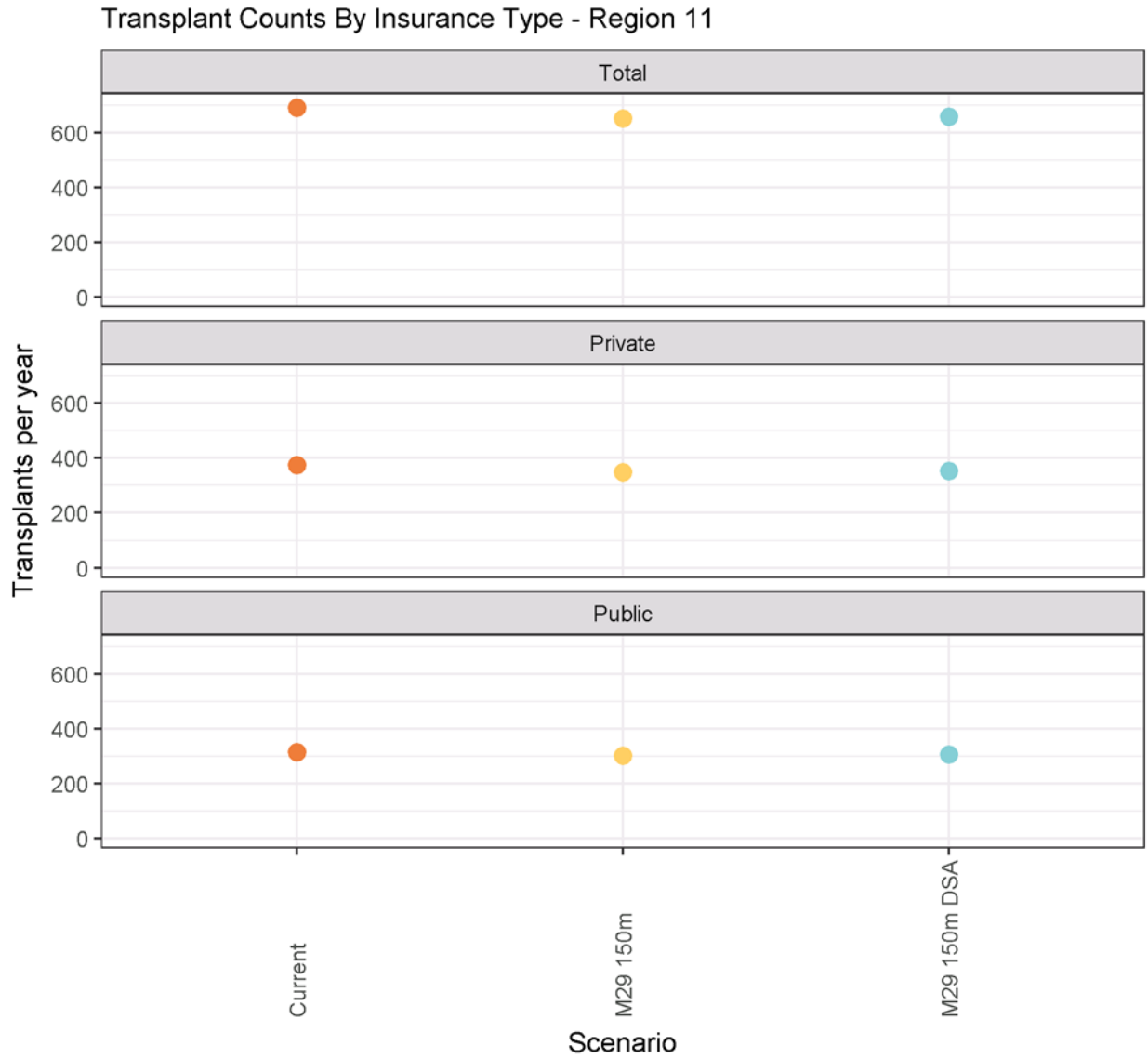


Figure 36 Transplant counts by insurance type - region 11

Table 36 Transplant counts by insurance type - region 11

Scenario	Total	Private	Public
Current	690.9 (671.7,707)	374.9 (356.7,389.3)	315.9 (296.7,336)
M29 150m	651.2 (632.3,669.3)	348.9 (336.7,362.7)	302.2 (286,317.7)
M29 150m DSA	659 (640.3,686.3)	353.3 (332.7,371.3)	305.5 (290.7,322.3)

**Waitlist mortality**

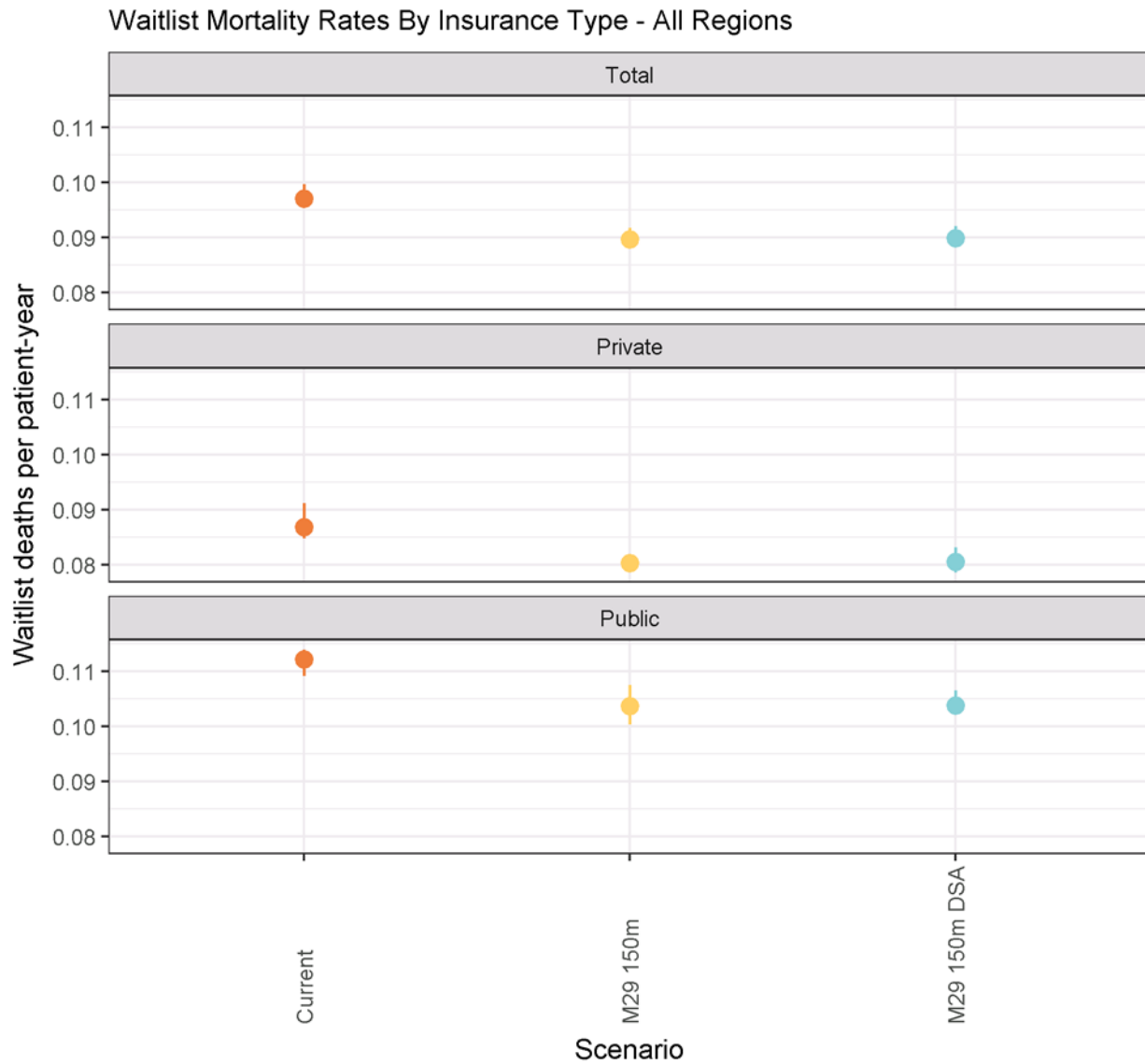


Figure 37 Waitlist mortality rates by insurance type - all regions

Table 37 Waitlist mortality rates by insurance type - all regions

Scenario	Total	Private	Public
Current	0.097 (0.095,0.1)	0.087 (0.085,0.091)	0.112 (0.109,0.114)
M29 150m	0.09 (0.088,0.092)	0.08 (0.079,0.082)	0.104 (0.1,0.108)
M29 150m DSA	0.09 (0.089,0.092)	0.081 (0.079,0.083)	0.104 (0.102,0.107)

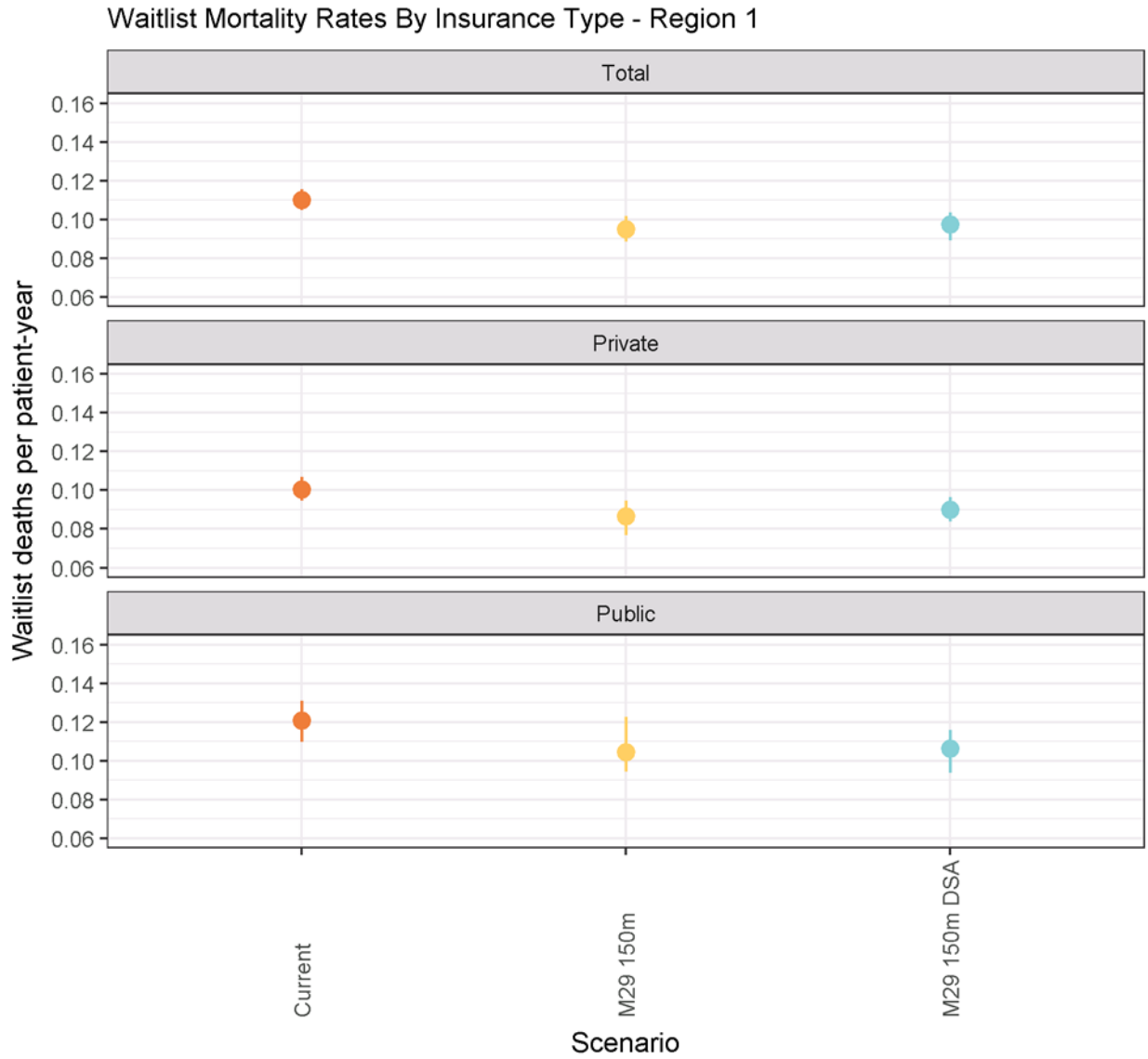


Figure 38 Waitlist mortality rates by insurance type - region 1

Table 38 Waitlist mortality rates by insurance type - region 1

Scenario	Total	Private	Public
Current	0.11 (0.105,0.116)	0.101 (0.094,0.107)	0.121 (0.11,0.131)
M29 150m	0.095 (0.089,0.102)	0.087 (0.077,0.095)	0.105 (0.095,0.123)
M29 150m DSA	0.098 (0.089,0.104)	0.09 (0.084,0.097)	0.106 (0.094,0.116)

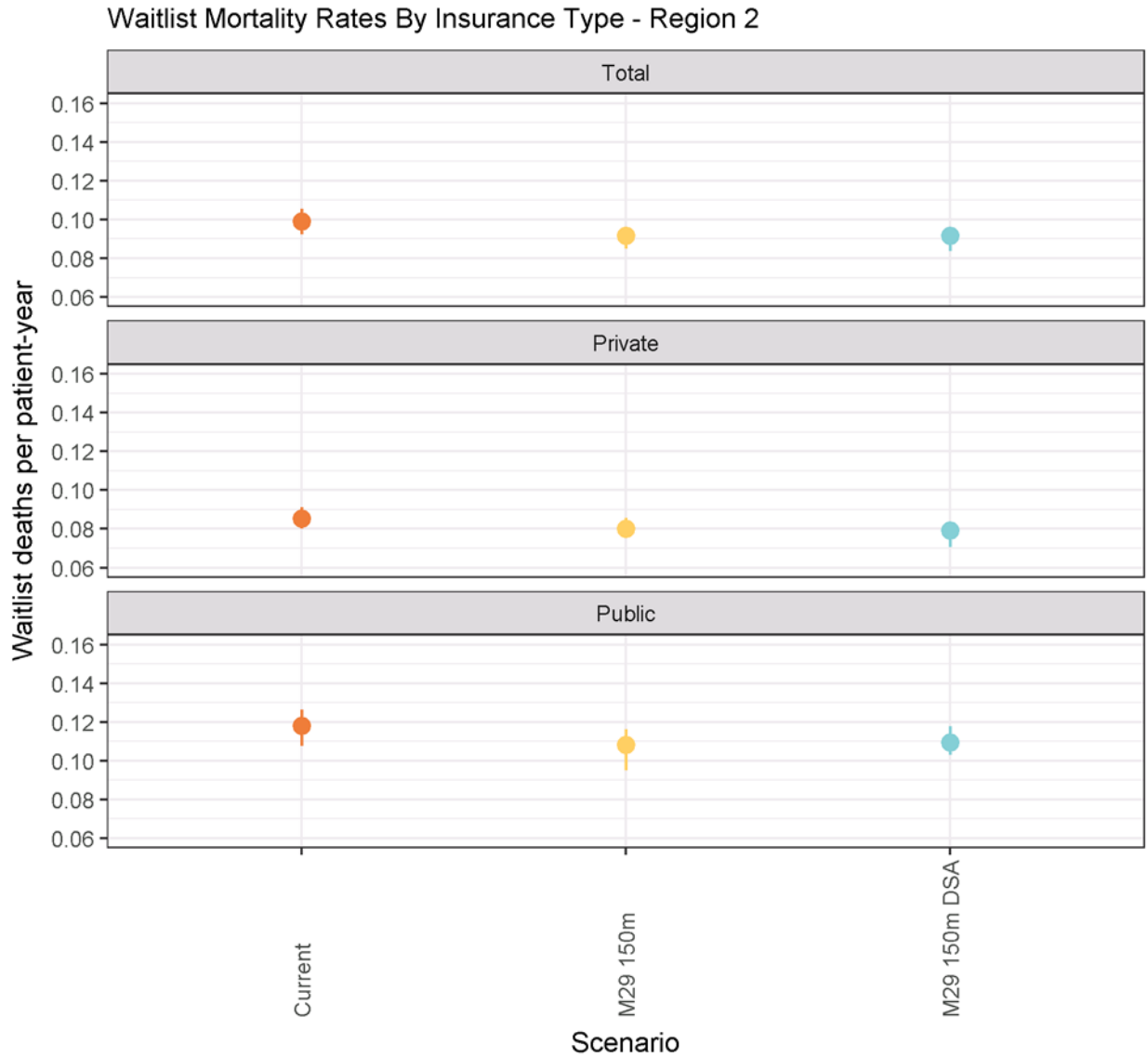


Figure 39 Waitlist mortality rates by insurance type - region 2

Table 39 Waitlist mortality rates by insurance type - region 2

Scenario	Total	Private	Public
Current	0.099 (0.092,0.105)	0.086 (0.08,0.091)	0.118 (0.108,0.126)
M29 150m	0.092 (0.085,0.094)	0.08 (0.077,0.086)	0.108 (0.095,0.116)
M29 150m DSA	0.092 (0.084,0.096)	0.079 (0.071,0.083)	0.109 (0.103,0.118)

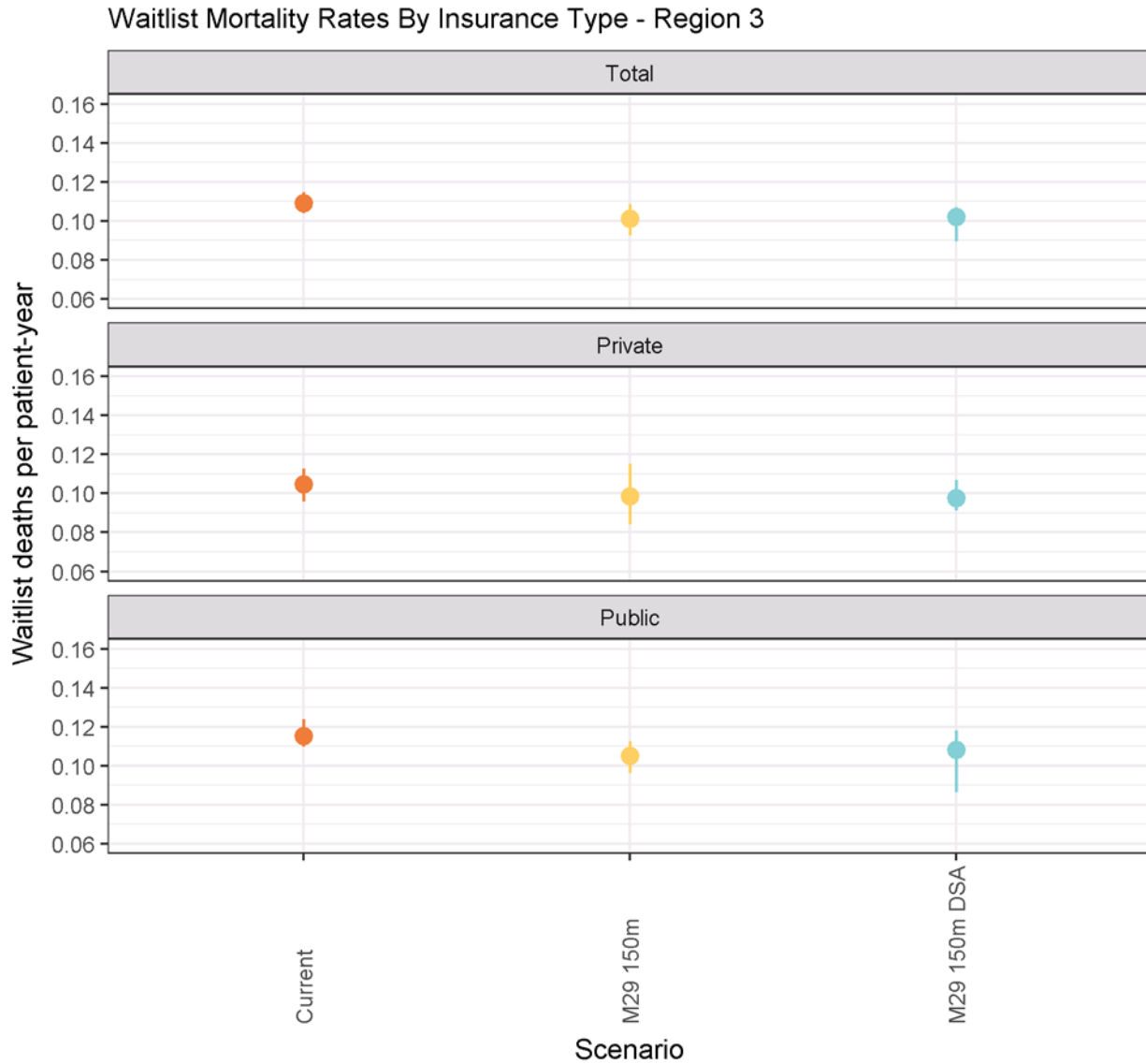


Figure 40 Waitlist mortality rates by insurance type - region 3

Table 40 Waitlist mortality rates by insurance type - region 3

Scenario	Total	Private	Public
Current	0.109 (0.104,0.115)	0.105 (0.096,0.113)	0.115 (0.11,0.124)
M29 150m	0.101 (0.093,0.109)	0.098 (0.084,0.115)	0.105 (0.096,0.113)
M29 150m DSA	0.102 (0.09,0.107)	0.098 (0.091,0.107)	0.108 (0.087,0.118)

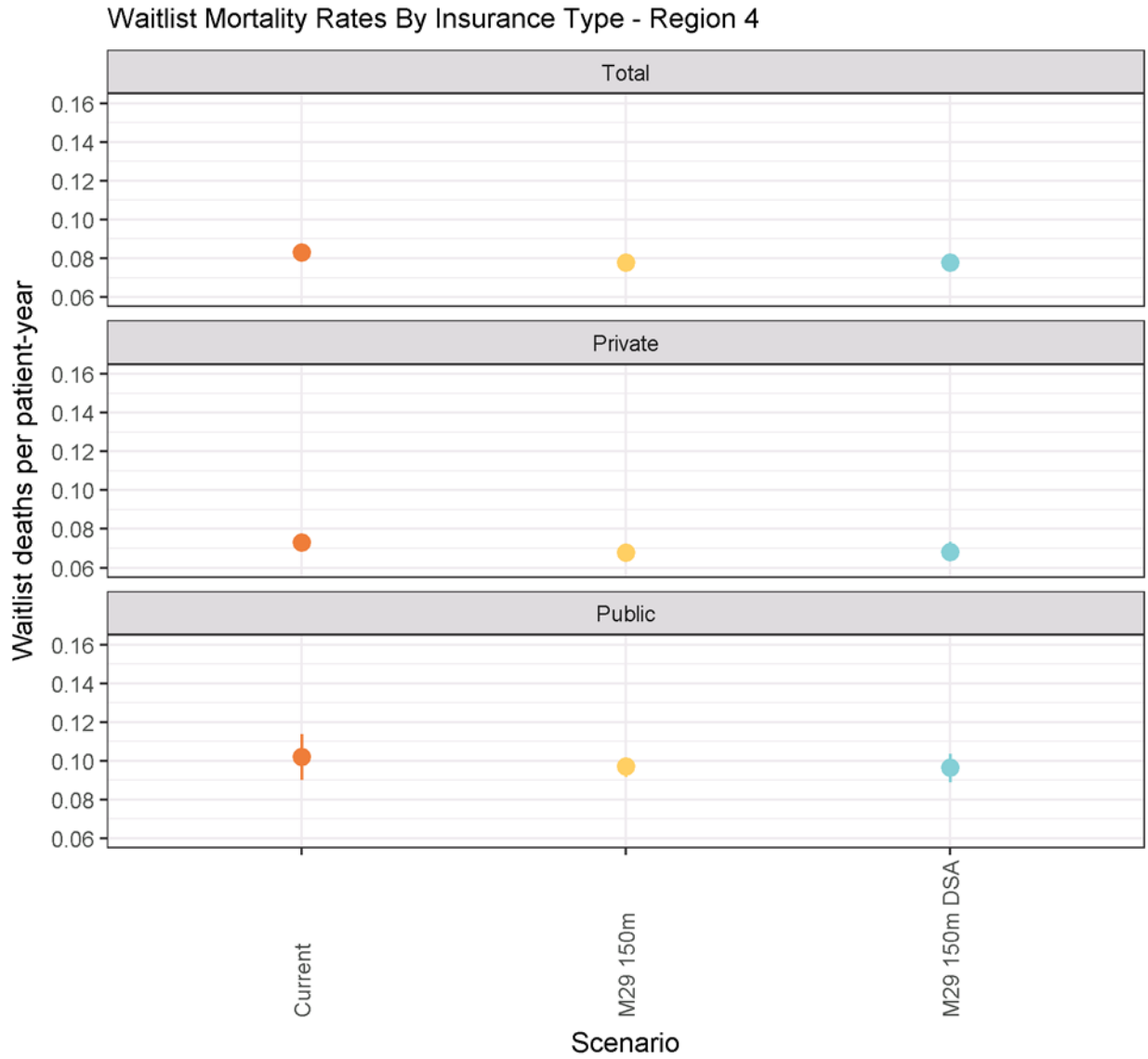


Figure 41 Waitlist mortality rates by insurance type - region 4

Table 41 Waitlist mortality rates by insurance type - region 4

Scenario	Total	Private	Public
Current	0.083 (0.079,0.087)	0.073 (0.069,0.077)	0.102 (0.09,0.114)
M29 150m	0.078 (0.074,0.082)	0.068 (0.064,0.072)	0.097 (0.092,0.1)
M29 150m DSA	0.078 (0.075,0.083)	0.068 (0.064,0.073)	0.097 (0.089,0.104)



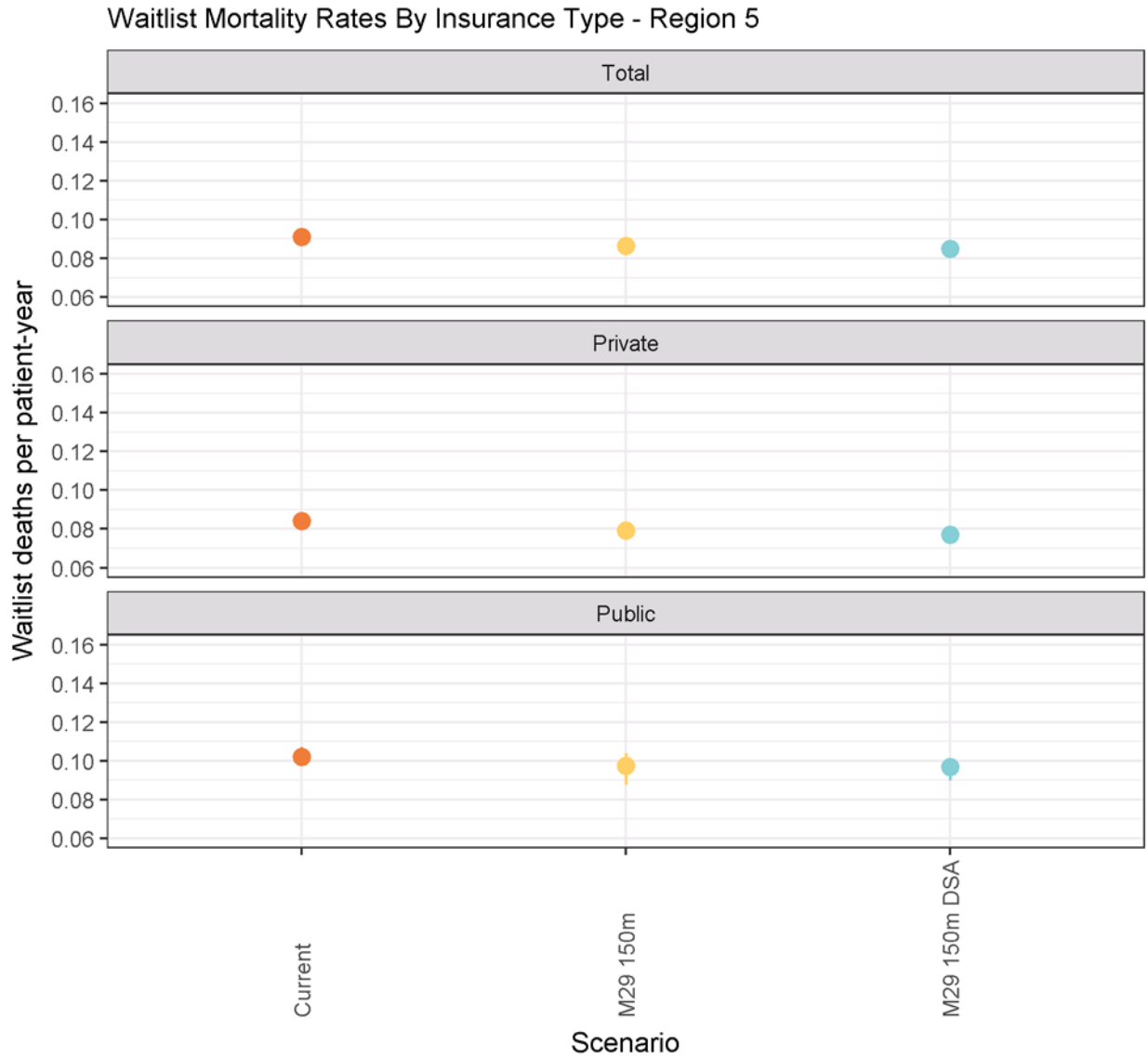


Figure 42 Waitlist mortality rates by insurance type - region 5

Table 42 Waitlist mortality rates by insurance type - region 5

Scenario	Total	Private	Public
Current	0.091 (0.09,0.093)	0.084 (0.08,0.087)	0.102 (0.097,0.107)
M29 150m	0.086 (0.082,0.088)	0.079 (0.074,0.081)	0.098 (0.088,0.104)
M29 150m DSA	0.085 (0.081,0.087)	0.077 (0.075,0.08)	0.097 (0.09,0.101)

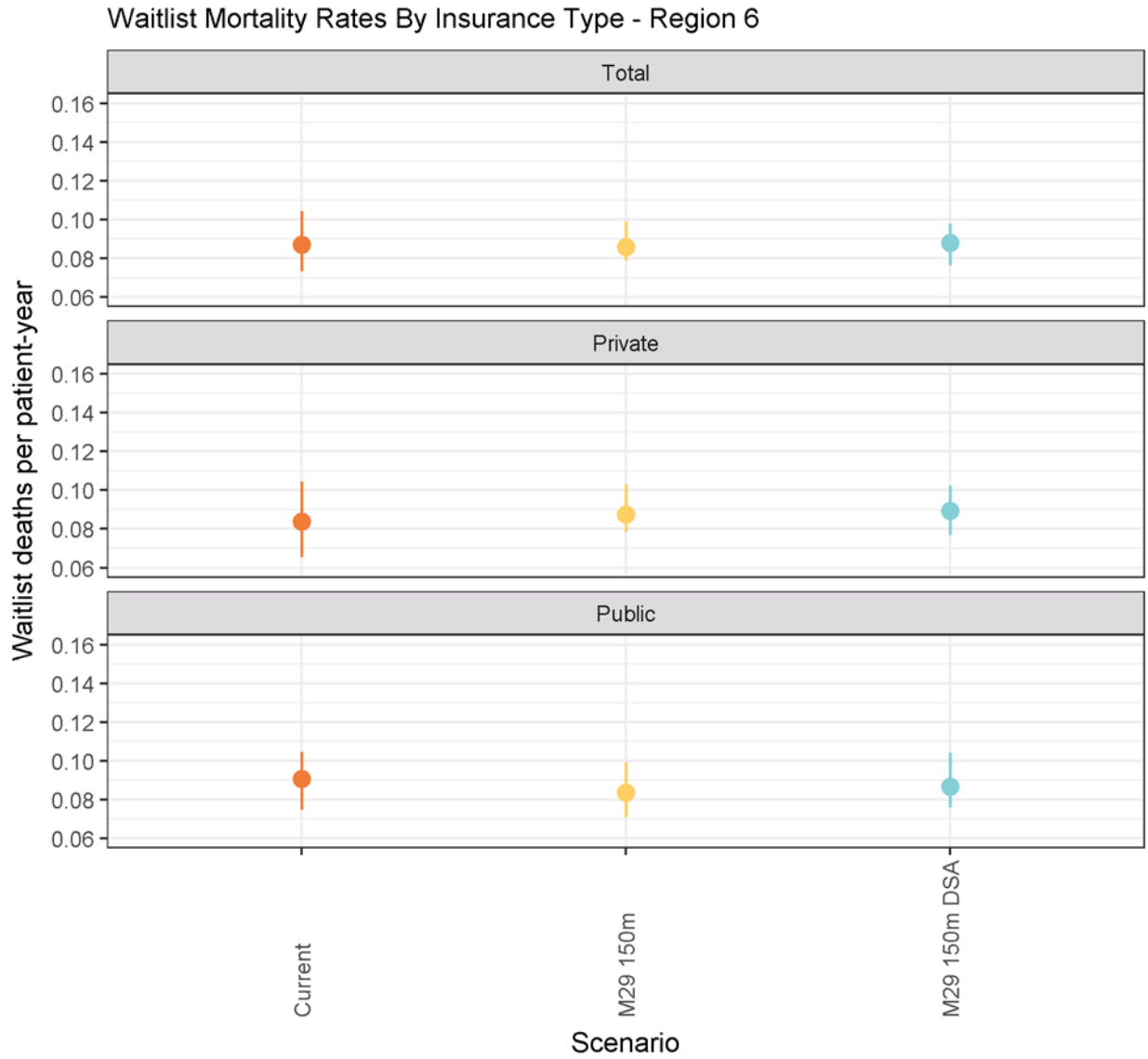


Figure 43 Waitlist mortality rates by insurance type - region 6

Table 43 Waitlist mortality rates by insurance type - region 6

Scenario	Total	Private	Public
Current	0.087 (0.073,0.104)	0.084 (0.066,0.104)	0.091 (0.075,0.104)
M29 150m	0.086 (0.079,0.099)	0.087 (0.078,0.103)	0.084 (0.071,0.099)
M29 150m DSA	0.088 (0.076,0.098)	0.089 (0.077,0.102)	0.087 (0.076,0.104)

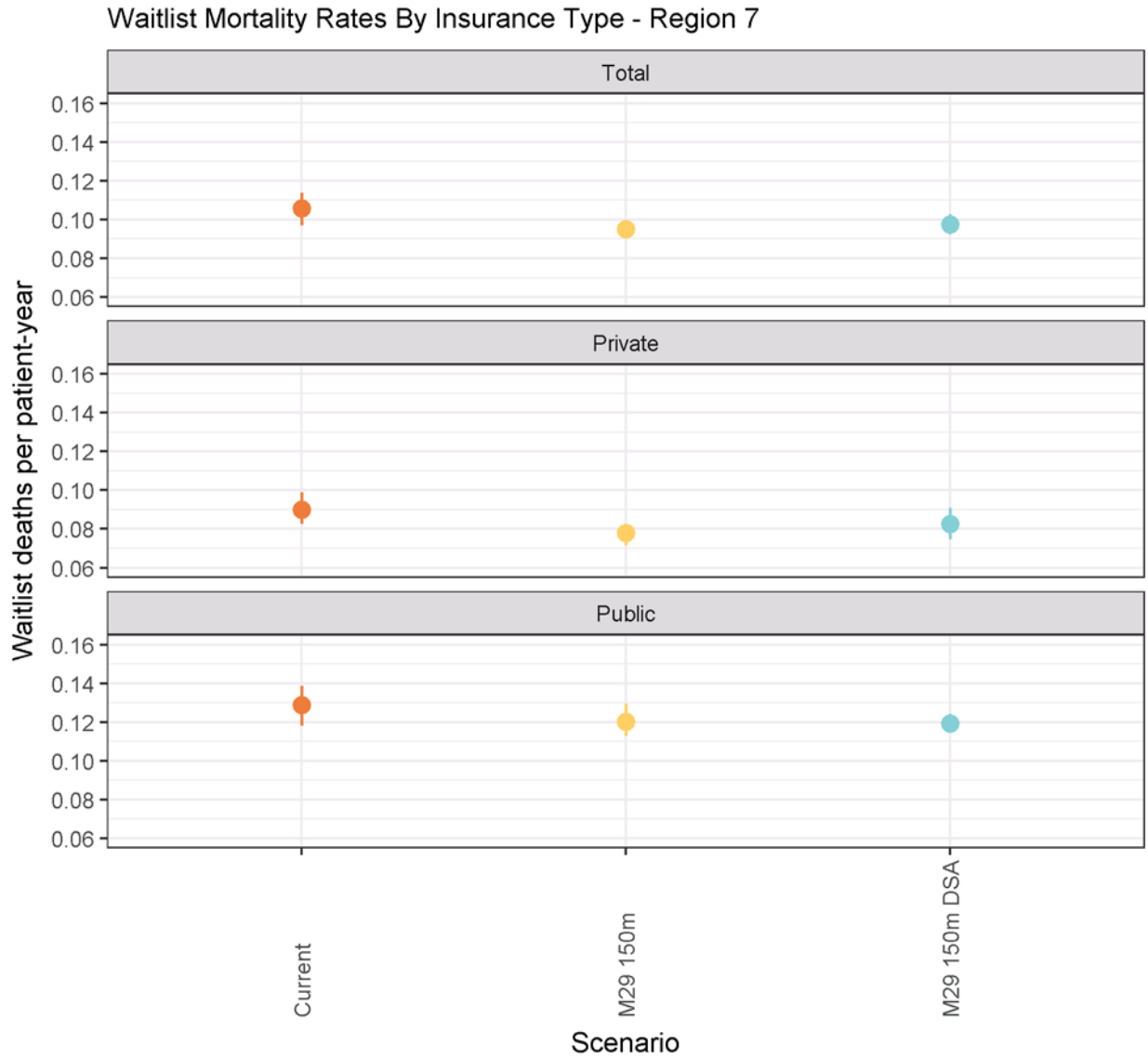


Figure 44 Waitlist mortality rates by insurance type - region 7

Table 44 Waitlist mortality rates by insurance type - region 7

Scenario	Total	Private	Public
Current	0.106 (0.097,0.114)	0.09 (0.083,0.099)	0.129 (0.118,0.139)
M29 150m	0.095 (0.091,0.099)	0.078 (0.072,0.082)	0.12 (0.113,0.129)
M29 150m DSA	0.098 (0.092,0.103)	0.083 (0.075,0.091)	0.119 (0.116,0.124)

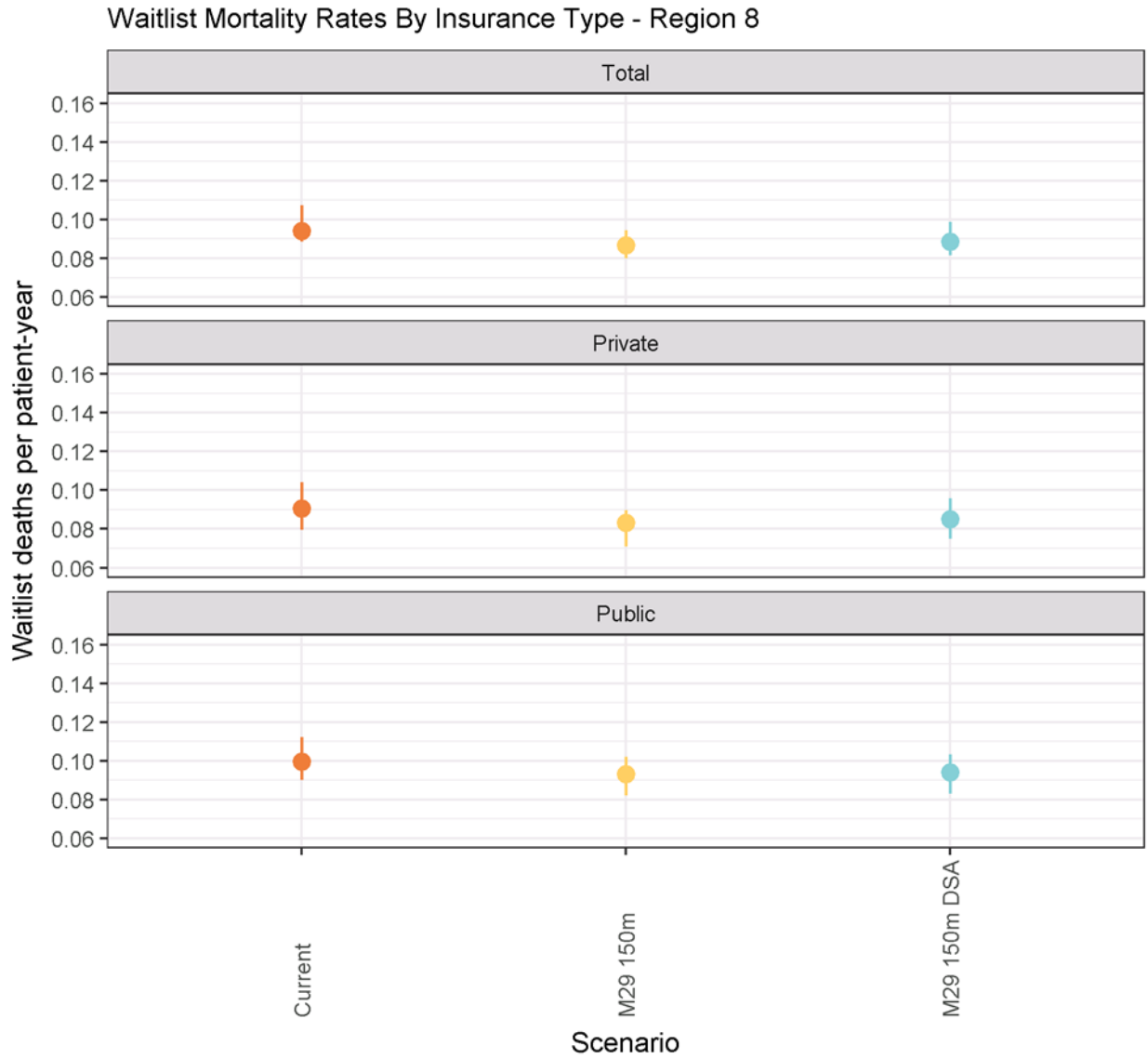


Figure 45 Waitlist mortality rates by insurance type - region 8

Table 45 Waitlist mortality rates by insurance type - region 8

Scenario	Total	Private	Public
Current	0.094 (0.088,0.107)	0.091 (0.079,0.104)	0.1 (0.09,0.112)
M29 150m	0.087 (0.08,0.094)	0.083 (0.071,0.09)	0.093 (0.082,0.102)
M29 150m DSA	0.088 (0.082,0.099)	0.085 (0.075,0.096)	0.094 (0.083,0.103)

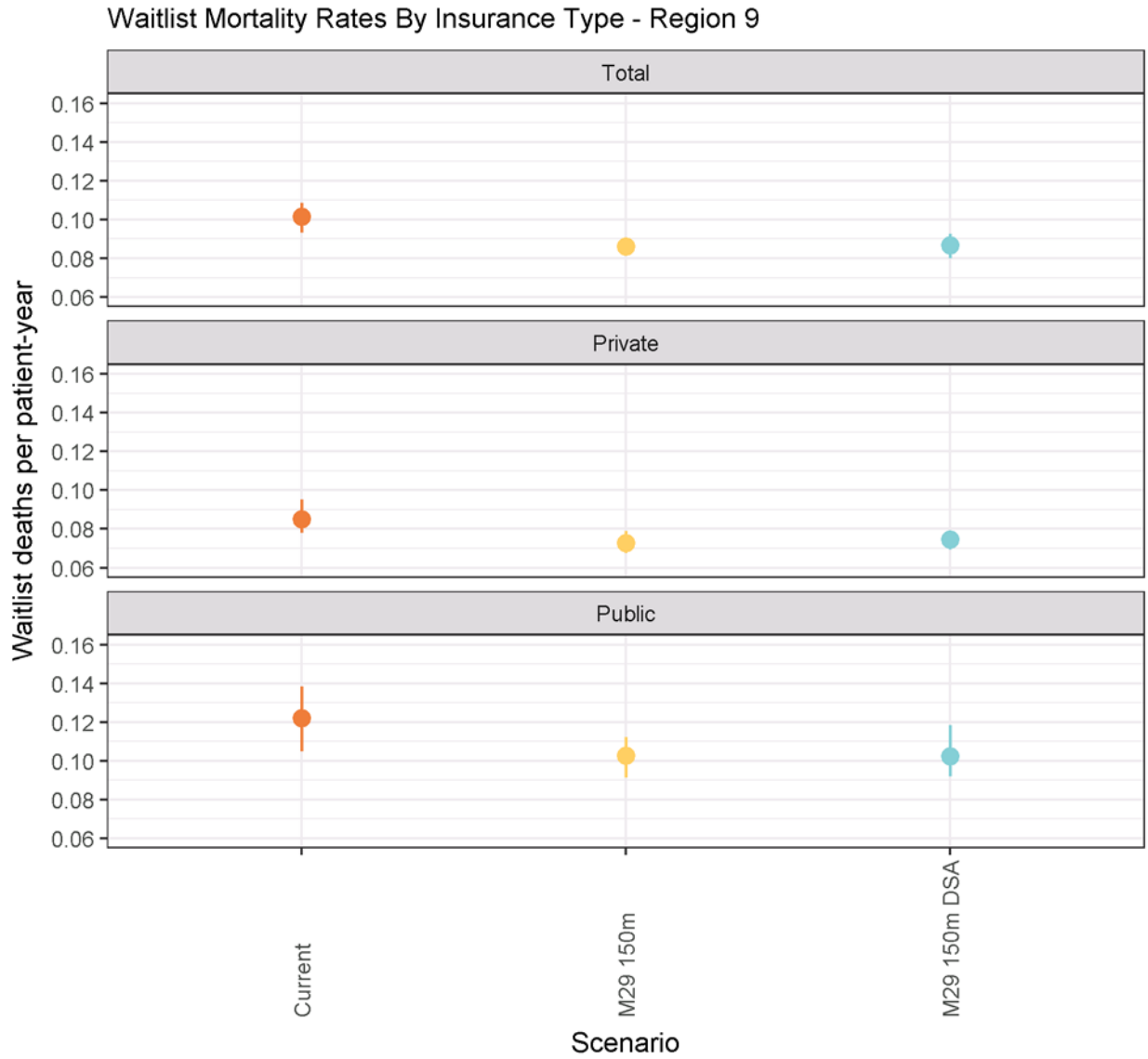


Figure 46 Waitlist mortality rates by insurance type - region 9

Table 46 Waitlist mortality rates by insurance type - region 9

Scenario	Total	Private	Public
Current	0.102 (0.093,0.109)	0.085 (0.078,0.095)	0.122 (0.105,0.138)
M29 150m	0.086 (0.082,0.089)	0.073 (0.067,0.079)	0.103 (0.091,0.112)
M29 150m DSA	0.087 (0.08,0.093)	0.074 (0.07,0.079)	0.102 (0.092,0.118)

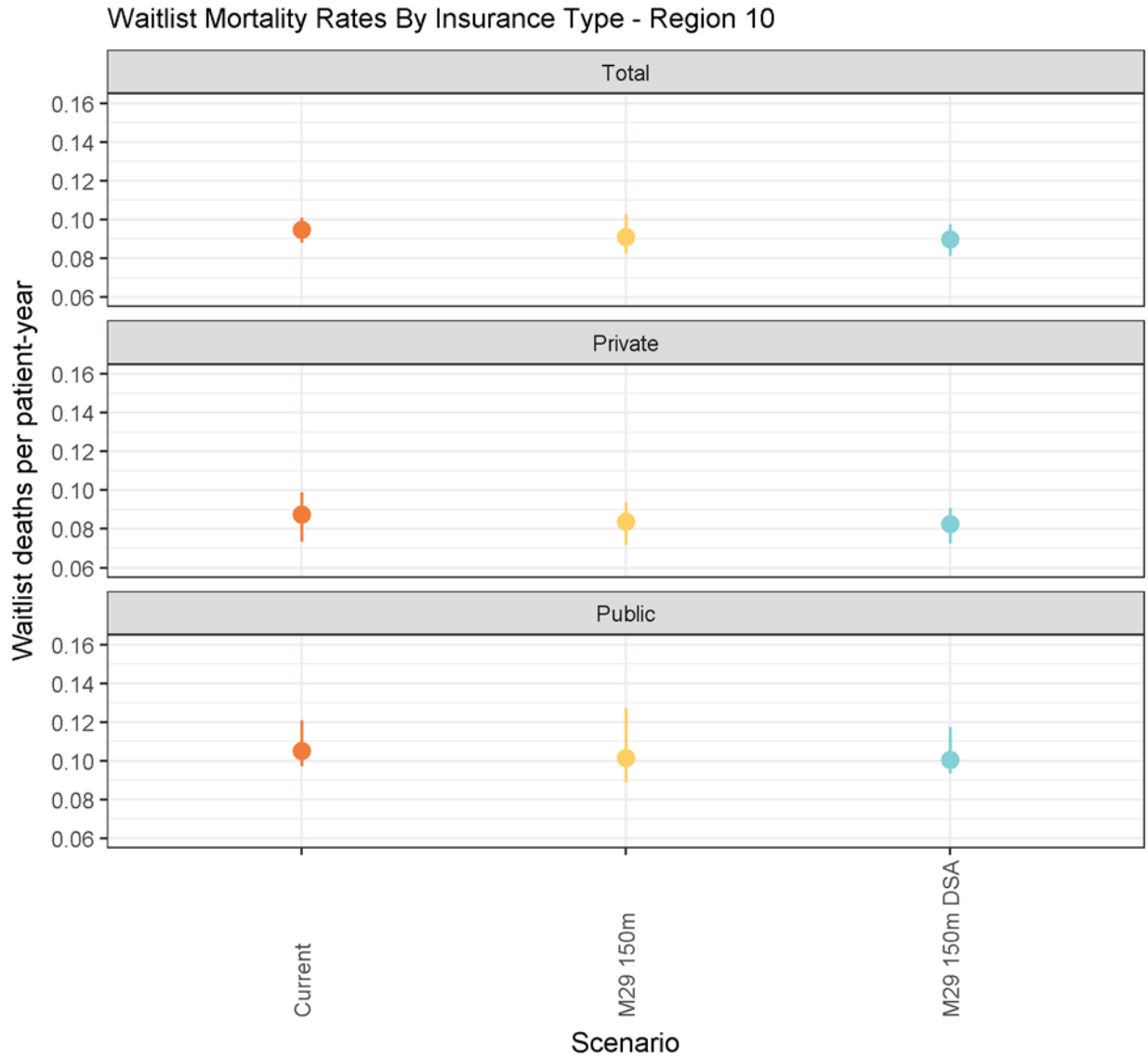


Figure 47 Waitlist mortality rates by insurance type - region 10

Table 47 Waitlist mortality rates by insurance type - region 10

Scenario	Total	Private	Public
Current	0.095 (0.088,0.101)	0.087 (0.073,0.099)	0.105 (0.097,0.121)
M29 150m	0.091 (0.082,0.103)	0.084 (0.072,0.094)	0.101 (0.089,0.127)
M29 150m DSA	0.09 (0.081,0.098)	0.083 (0.073,0.091)	0.1 (0.093,0.117)

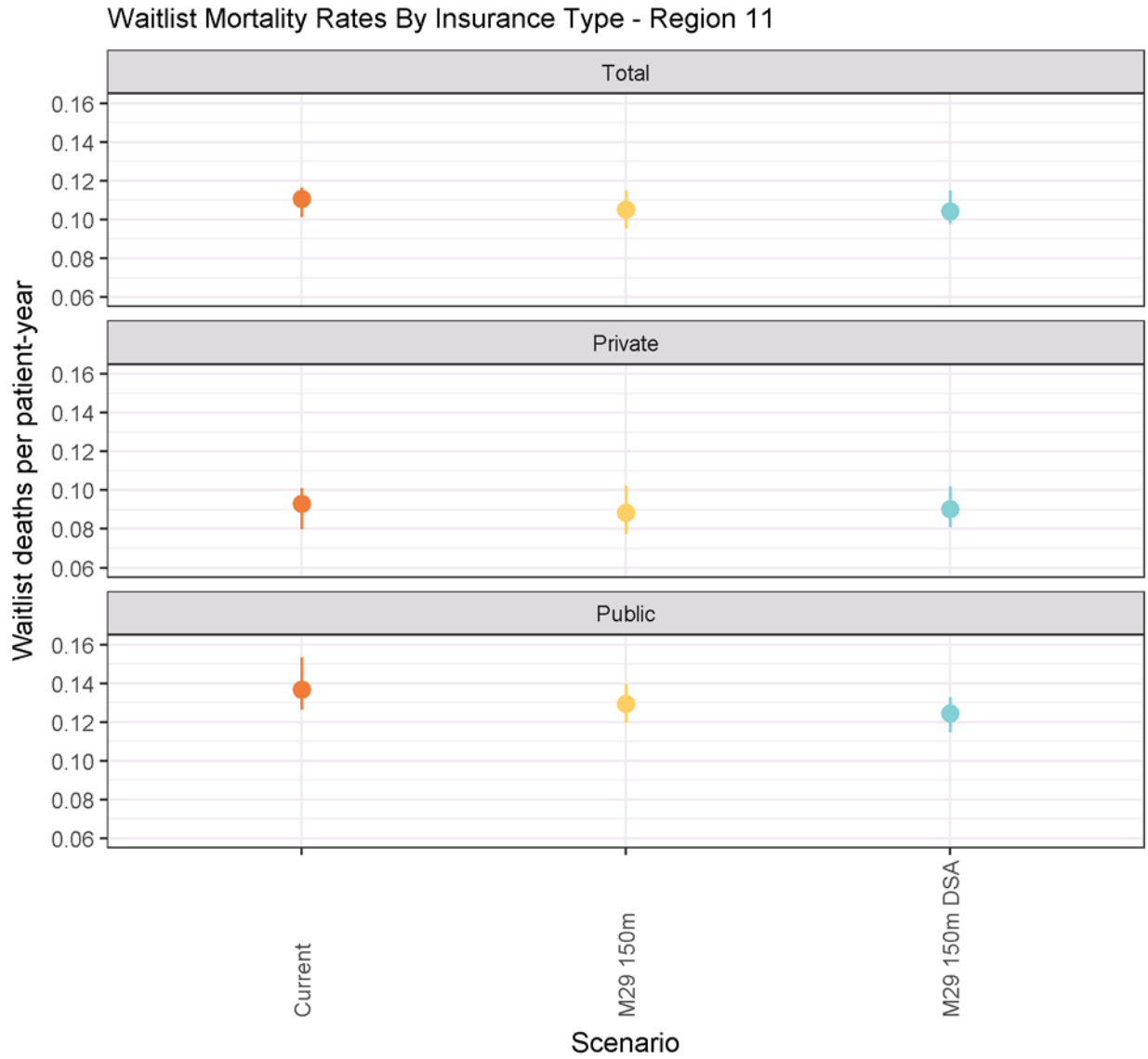


Figure 48 Waitlist mortality rates by insurance type - region 11

Table 48 Waitlist mortality rates by insurance type - region 11

Scenario	Total	Private	Public
Current	0.111 (0.101,0.117)	0.093 (0.08,0.101)	0.137 (0.126,0.153)
M29 150m	0.105 (0.095,0.115)	0.089 (0.077,0.102)	0.129 (0.12,0.139)
M29 150m DSA	0.104 (0.098,0.115)	0.09 (0.081,0.102)	0.124 (0.115,0.133)

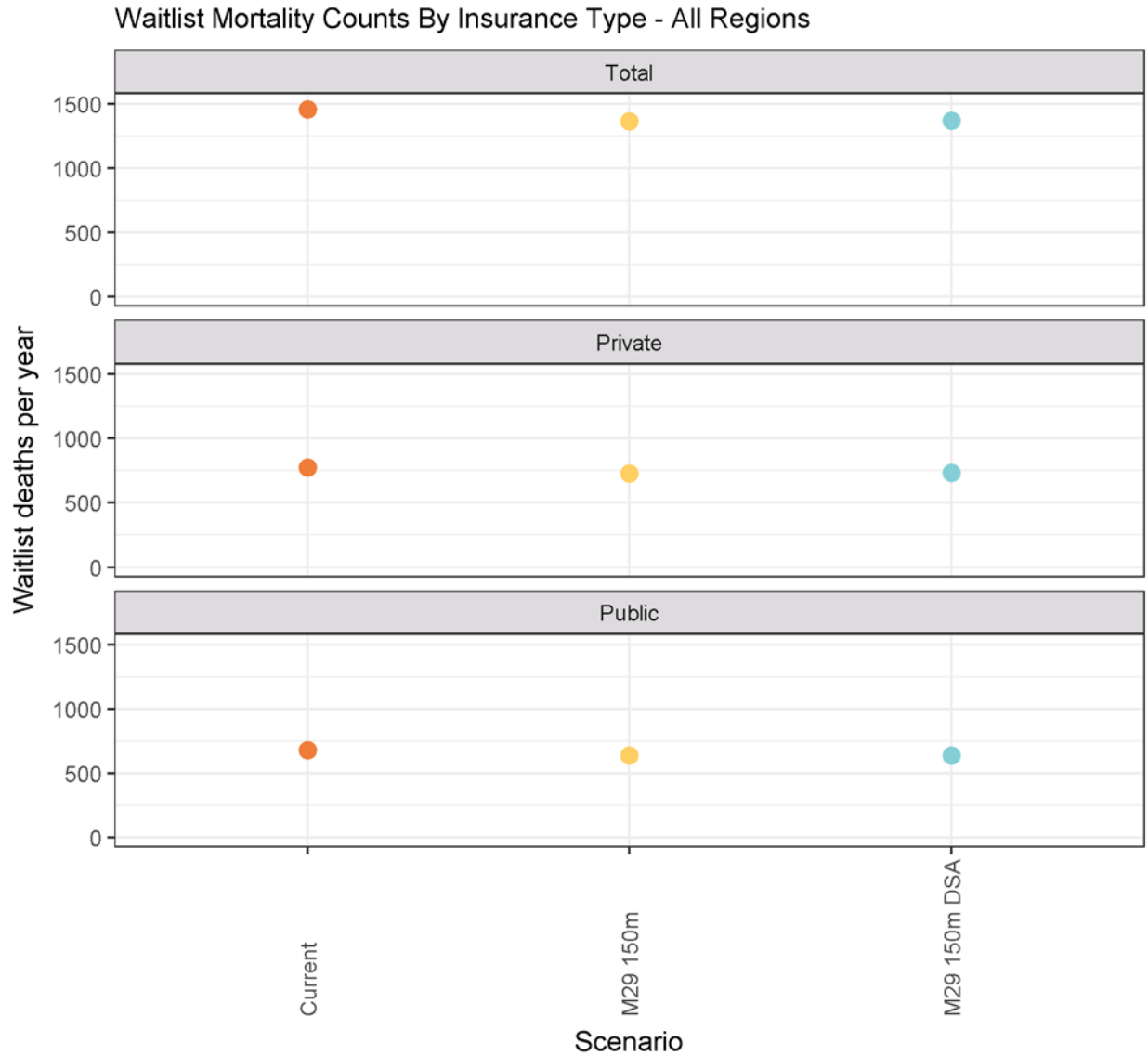


Figure 49 Waitlist mortality counts by insurance type - all regions

Table 49 Waitlist mortality counts by insurance type - all regions

Scenario	Total	Private	Public
Current	1455.1 (1425,1504.3)	773.6 (758,814)	681.5 (659.7,701)
M29 150m	1365.7 (1334.7,1403.7)	727.8 (711.3,747)	637.9 (621.3,667.3)
M29 150m DSA	1368.6 (1343,1407.7)	730.7 (707.7,756.7)	637.8 (623.7,663)



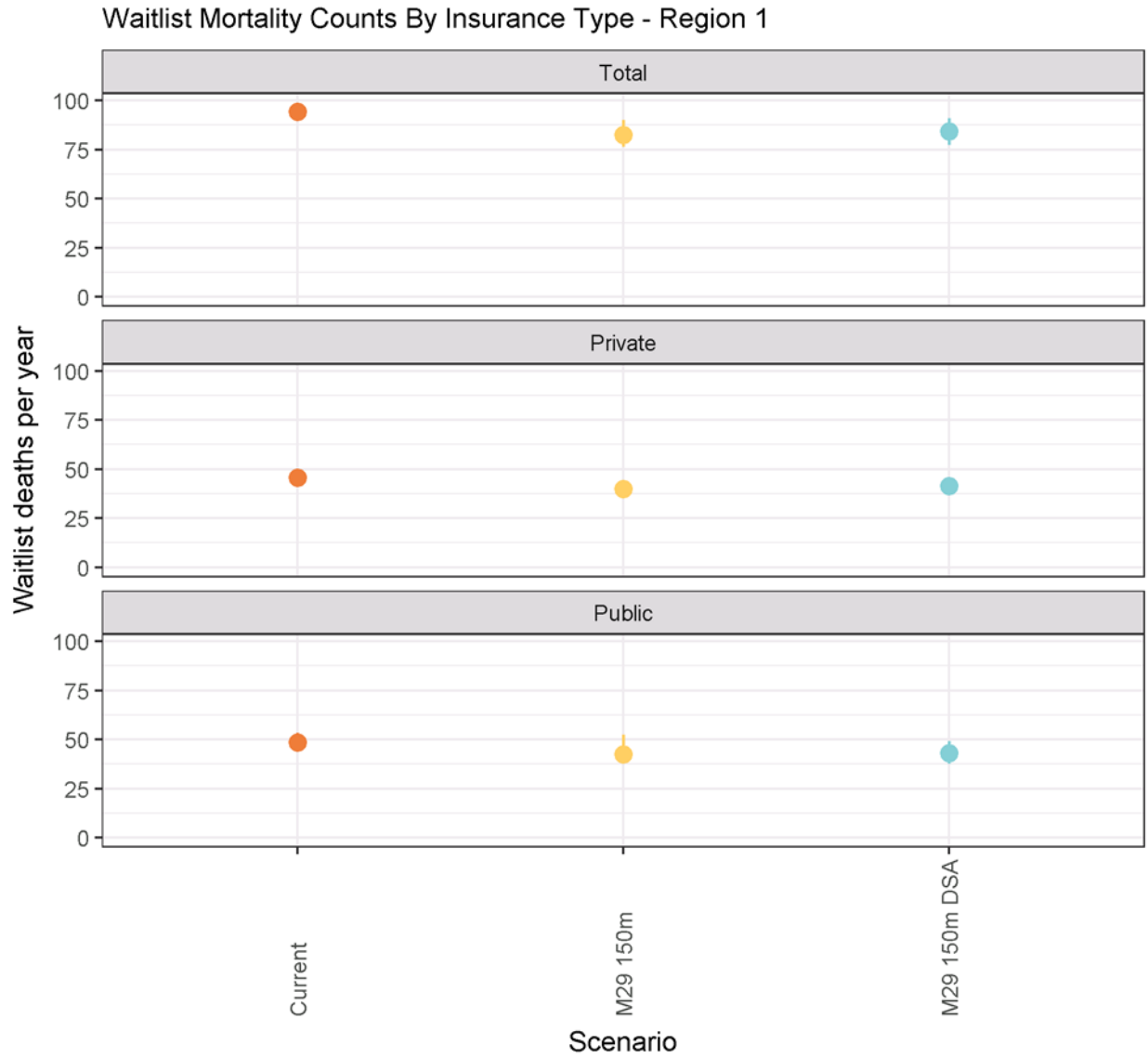


Figure 50 Waitlist mortality counts by insurance type - region 1

Table 50 Waitlist mortality counts by insurance type - region 1

Scenario	Total	Private	Public
Current	94.2 (89.7,98.7)	45.8 (42.7,49.3)	48.5 (44.7,53.3)
M29 150m	82.5 (76.3,90)	40 (36.7,43.3)	42.5 (38,52.3)
M29 150m DSA	84.4 (77.3,91)	41.4 (39,45)	43 (37.7,49)

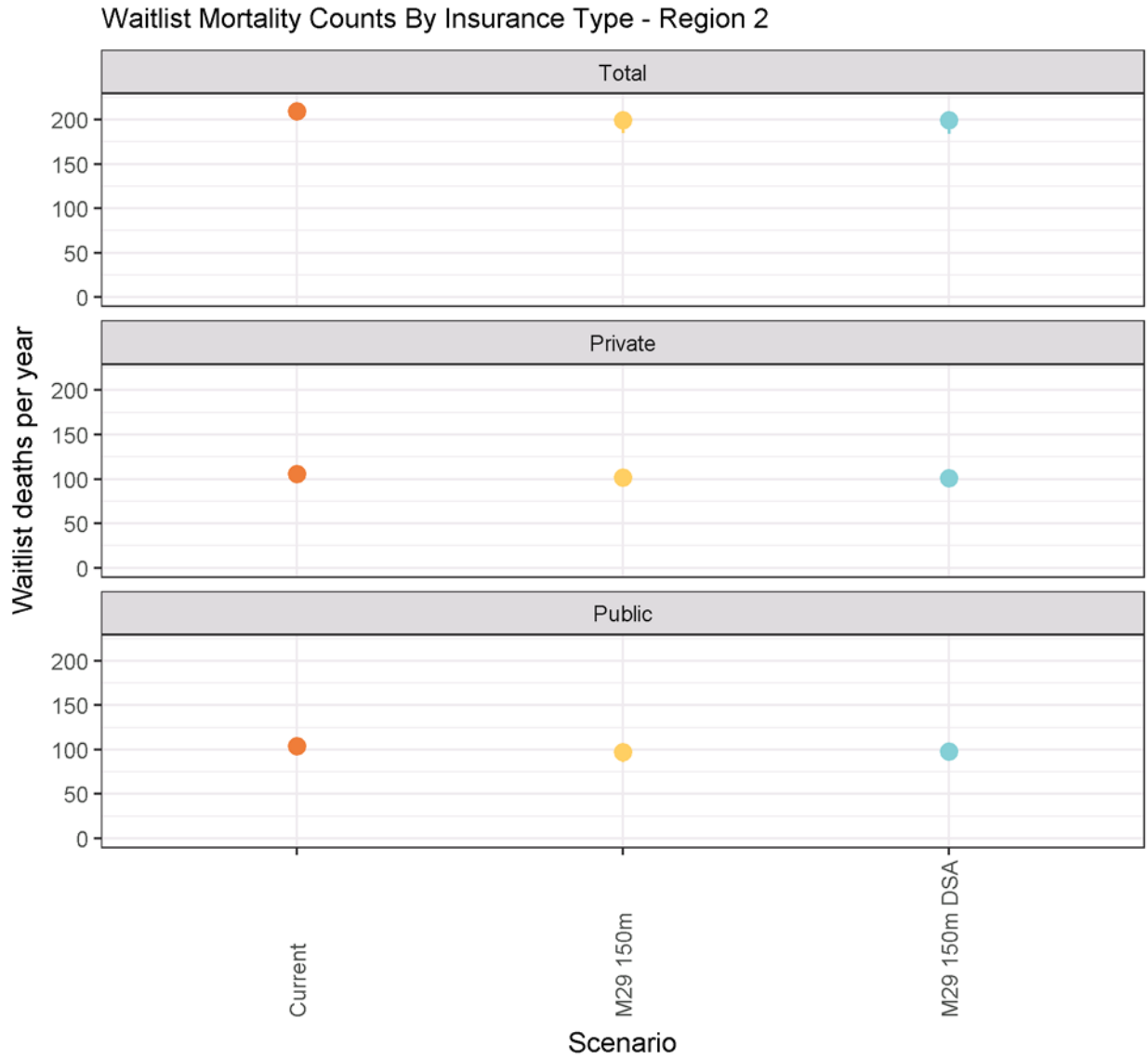


Figure 51 Waitlist mortality counts by insurance type - region 2

Table 51 Waitlist mortality counts by insurance type - region 2

Scenario	Total	Private	Public
Current	209.7 (199.3,218.3)	105.5 (101.7,109.3)	104.2 (94.7,112.3)
M29 150m	199.4 (184.7,207.3)	101.9 (96.3,108.3)	97.5 (86,104.3)
M29 150m DSA	199.1 (183.7,209.7)	100.8 (93,105.7)	98.2 (90.7,104.7)

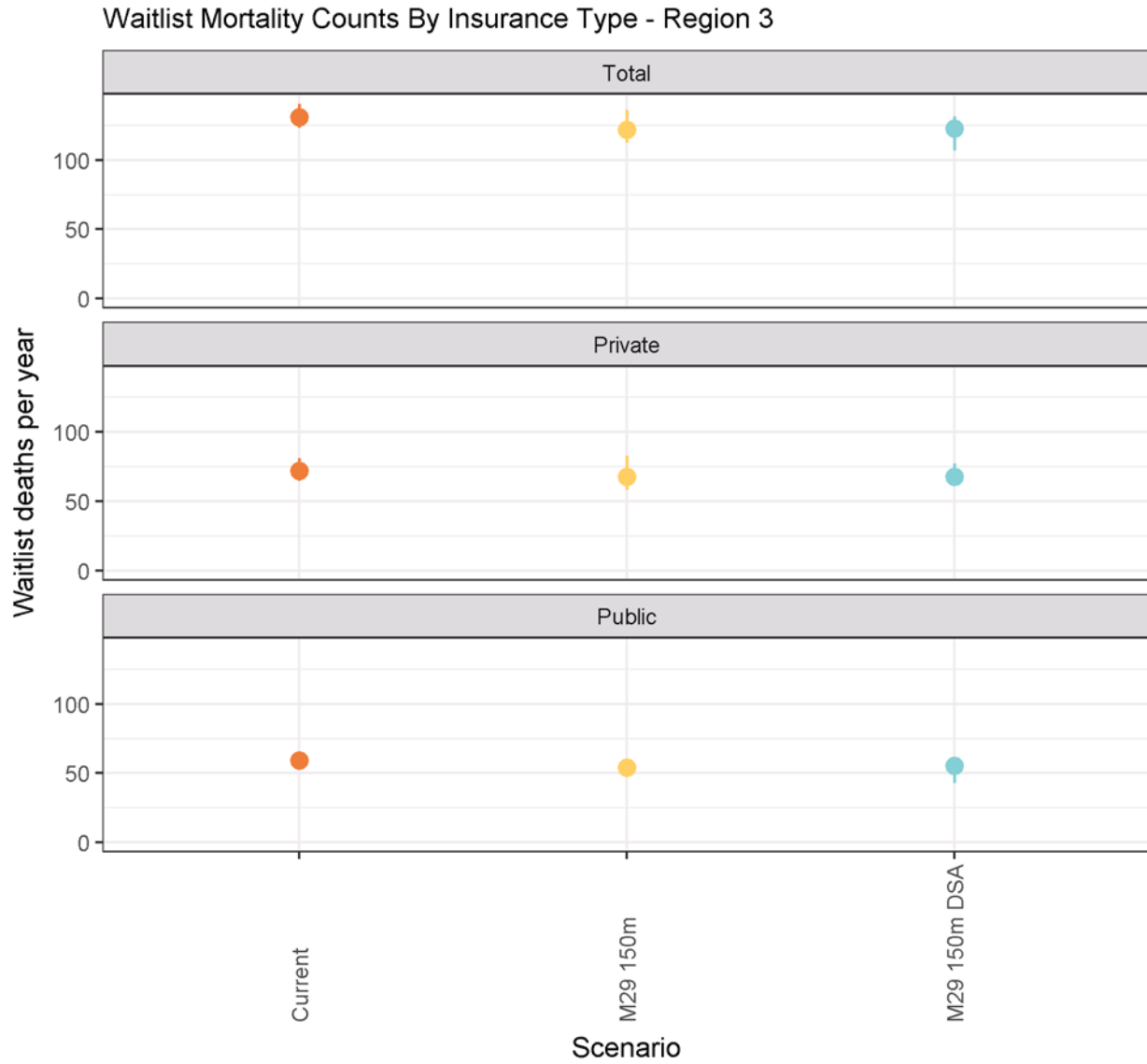


Figure 52 Waitlist mortality counts by insurance type - region 3

Table 52 Waitlist mortality counts by insurance type - region 3

Scenario	Total	Private	Public
Current	131.2 (123.3,140.7)	72.1 (64.7,81)	59.1 (55.3,63)
M29 150m	121.9 (112.3,136.3)	67.9 (58.3,83)	54 (49,57)
M29 150m DSA	122.8 (107,131.3)	67.6 (60.7,77.3)	55.2 (43,61)

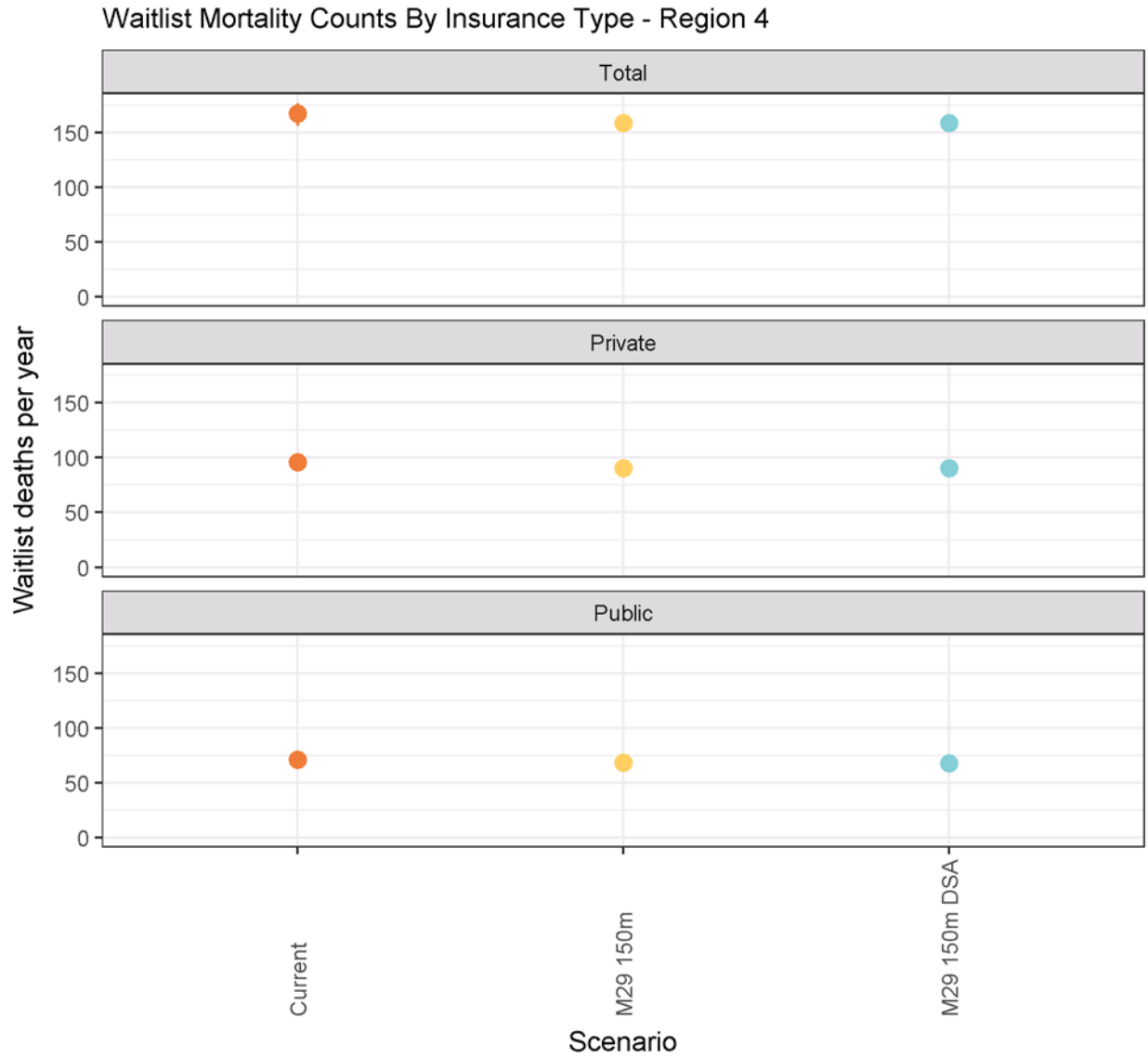


Figure 53 Waitlist mortality counts by insurance type - region 4

Table 53 Waitlist mortality counts by insurance type - region 4

Scenario	Total	Private	Public
Current	167 (155.7,176.7)	96.1 (90.7,102.7)	71 (62.3,78.7)
M29 150m	158.6 (151.3,164.3)	90.3 (86,94.3)	68.4 (64,70.3)
M29 150m DSA	158.6 (150.7,164.7)	90.7 (85,95.7)	68 (62.3,73.7)

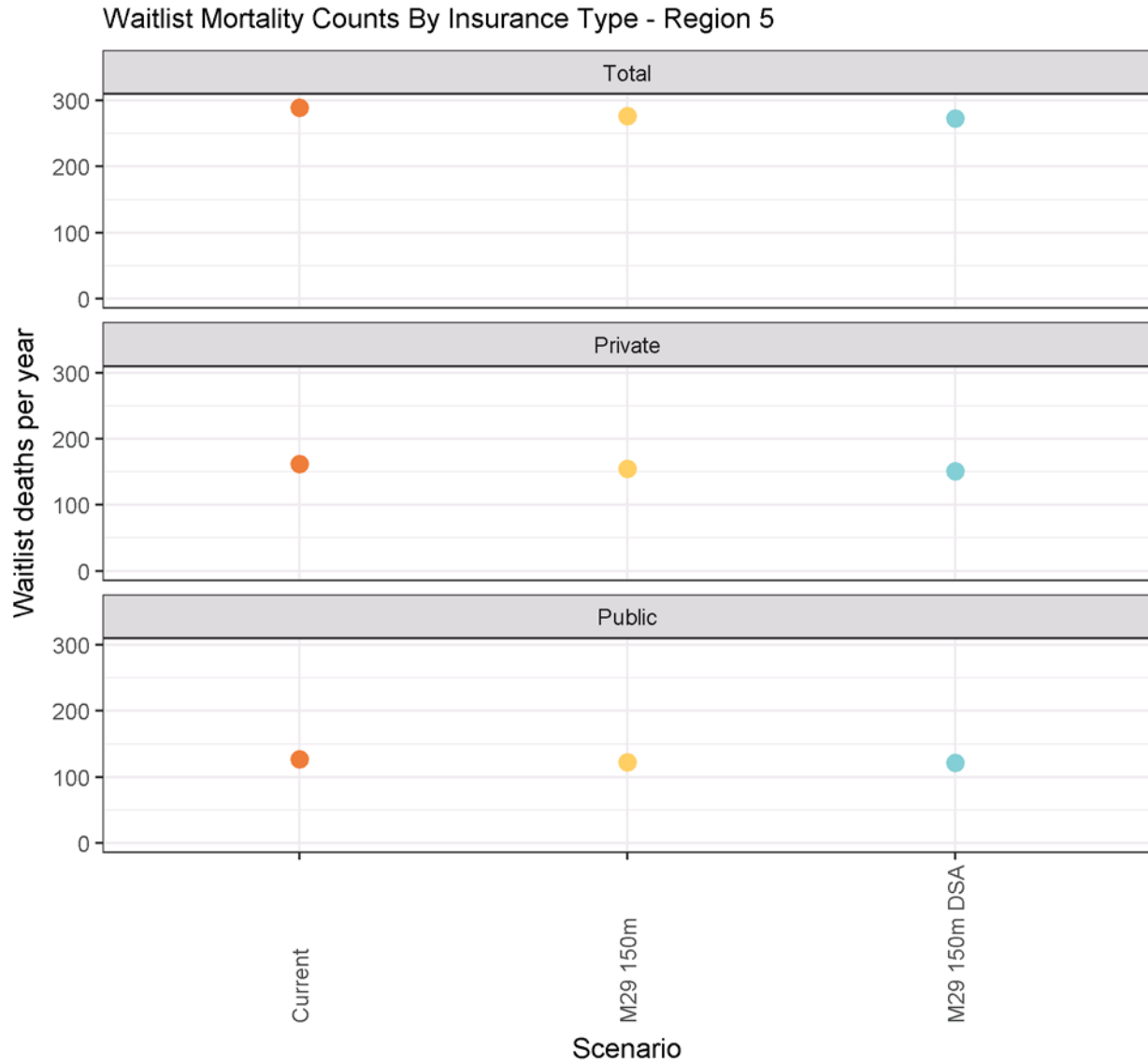


Figure 54 Waitlist mortality counts by insurance type - region 5

Table 54 Waitlist mortality counts by insurance type - region 5

Scenario	Total	Private	Public
Current	288.9 (281.3,295)	161.7 (152,169)	127.2 (121.3,132)
M29 150m	277 (264,283)	154.3 (147.3,161)	122.6 (110.7,130)
M29 150m DSA	272.7 (264.3,281.3)	150.8 (145,157.3)	121.9 (115,129.7)

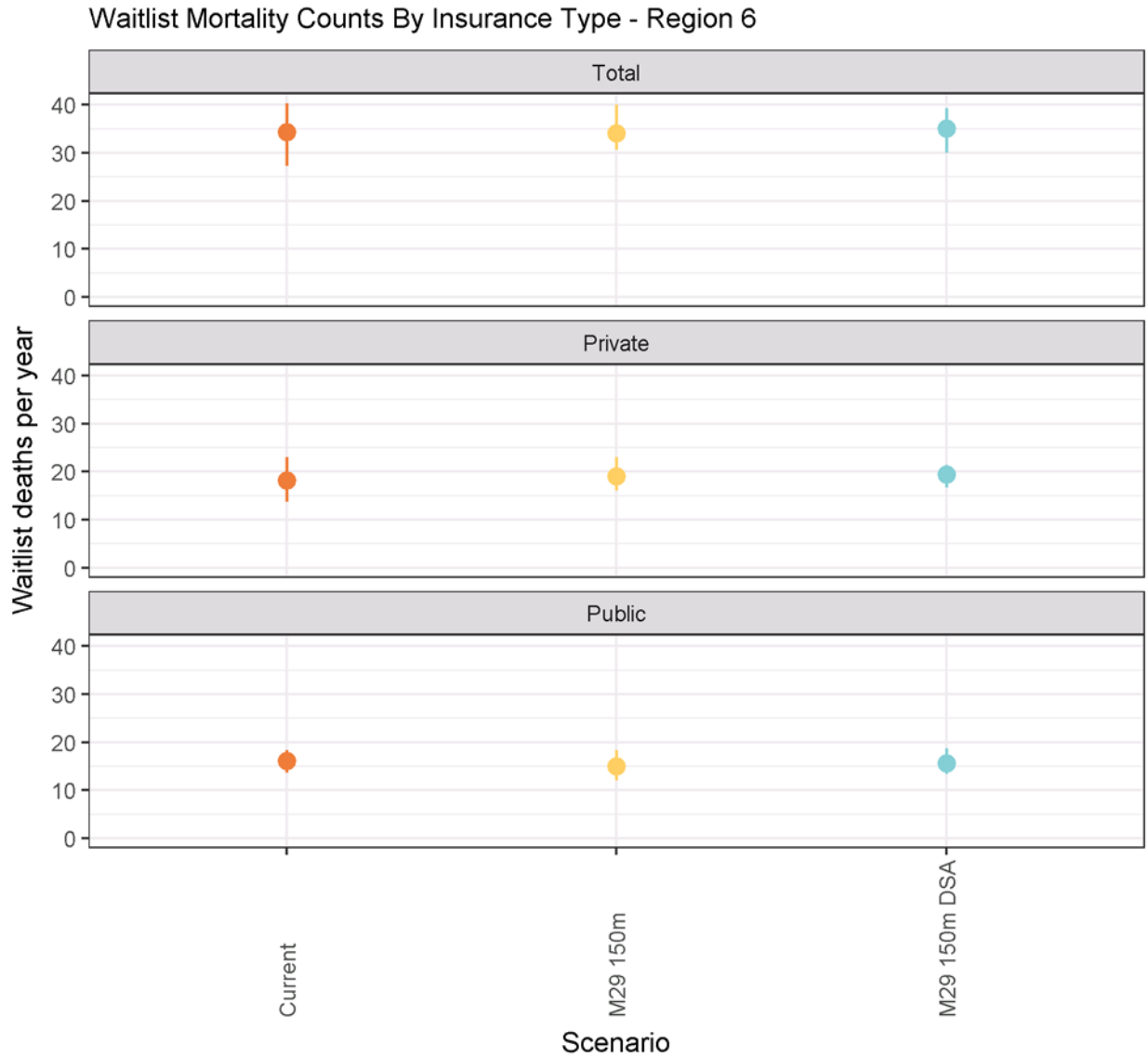


Figure 55 Waitlist mortality counts by insurance type - region 6

Table 55 Waitlist mortality counts by insurance type - region 6

Scenario	Total	Private	Public
Current	34.3 (27.3,40.3)	18.1 (13.7,23)	16.2 (13.7,18.3)
M29 150m	34.1 (30.7,40)	19 (16,23)	15 (12,18.3)
M29 150m DSA	35.1 (30,39.3)	19.4 (16.7,21.3)	15.6 (13.3,18.7)

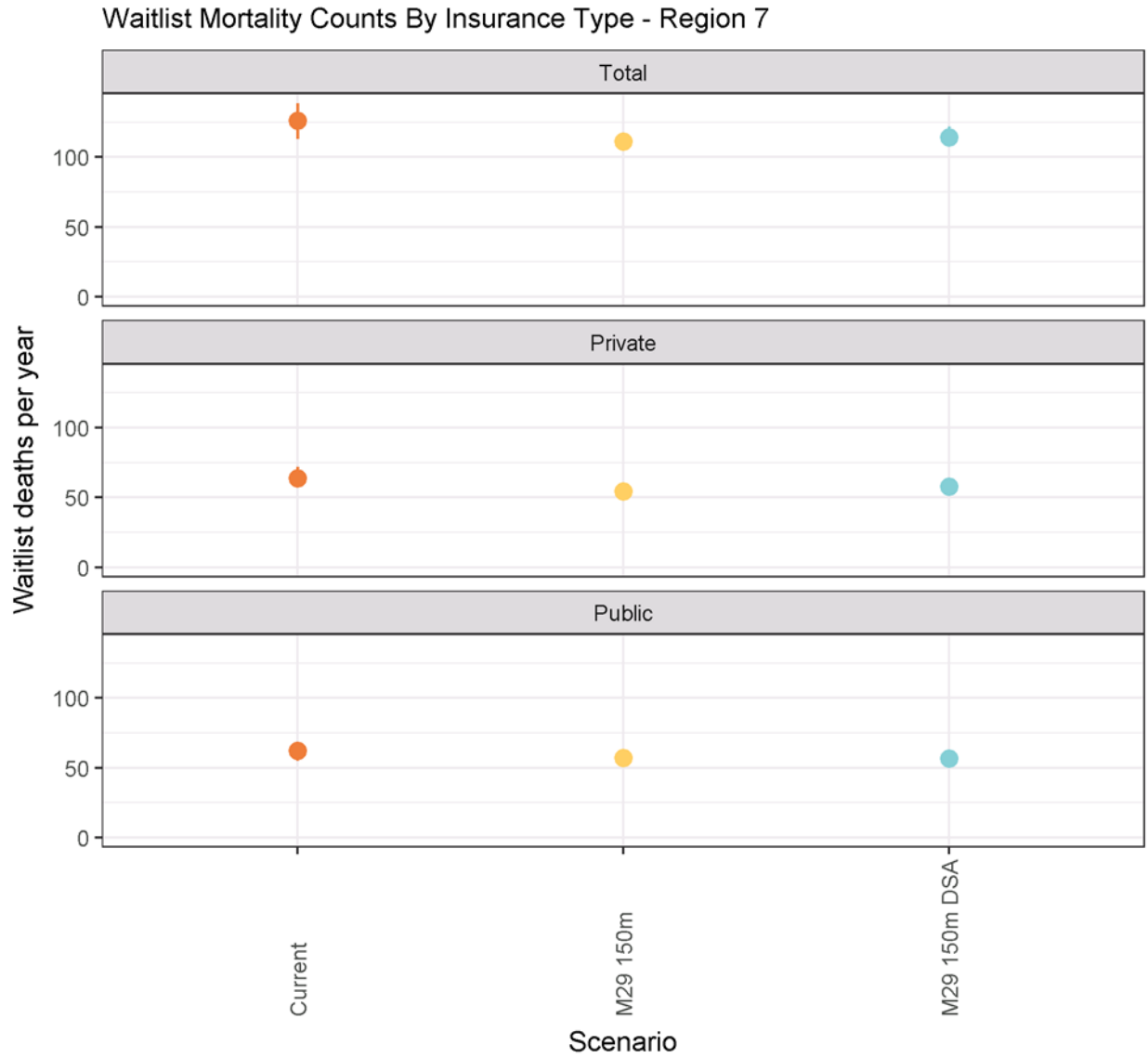


Figure 56 Waitlist mortality counts by insurance type - region 7

Table 56 Waitlist mortality counts by insurance type - region 7

Scenario	Total	Private	Public
Current	126 (113,138.7)	63.7 (58,71.7)	62.3 (55,68.3)
M29 150m	111.4 (107.3,117)	54.4 (50,57)	57 (52.3,62.3)
M29 150m DSA	114.2 (108.7,122)	57.7 (52.3,63.3)	56.5 (53,58.7)

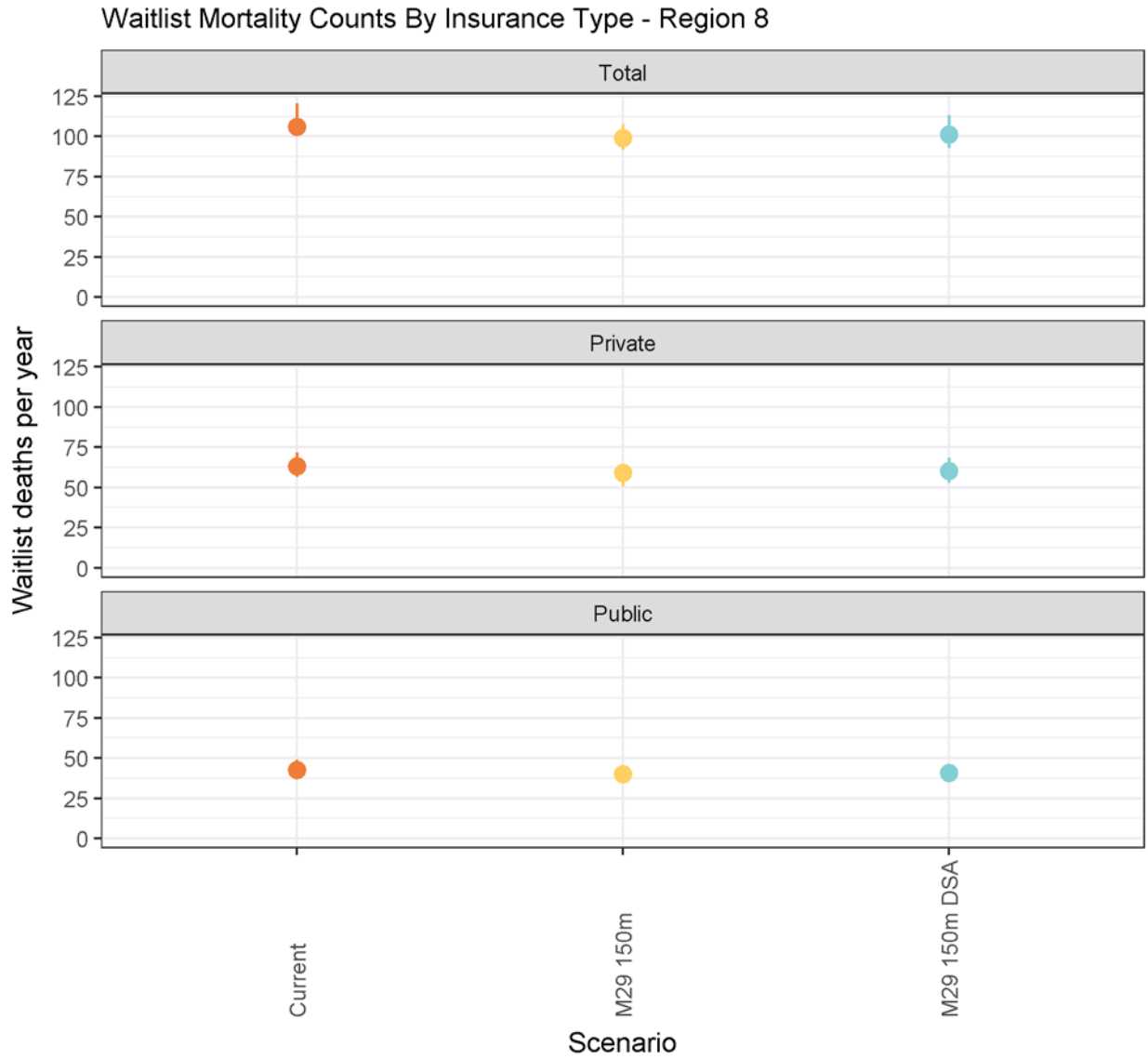


Figure 57 Waitlist mortality counts by insurance type - region 8

Table 57 Waitlist mortality counts by insurance type - region 8

Scenario	Total	Private	Public
Current	106.1 (100.7,120.7)	63.4 (56.7,71.7)	42.7 (38.3,49)
M29 150m	99.1 (91.7,107.7)	59 (50.7,64)	40.1 (35,44.3)
M29 150m DSA	101.2 (92.7,113)	60.2 (53,68.3)	41 (36.3,45.7)



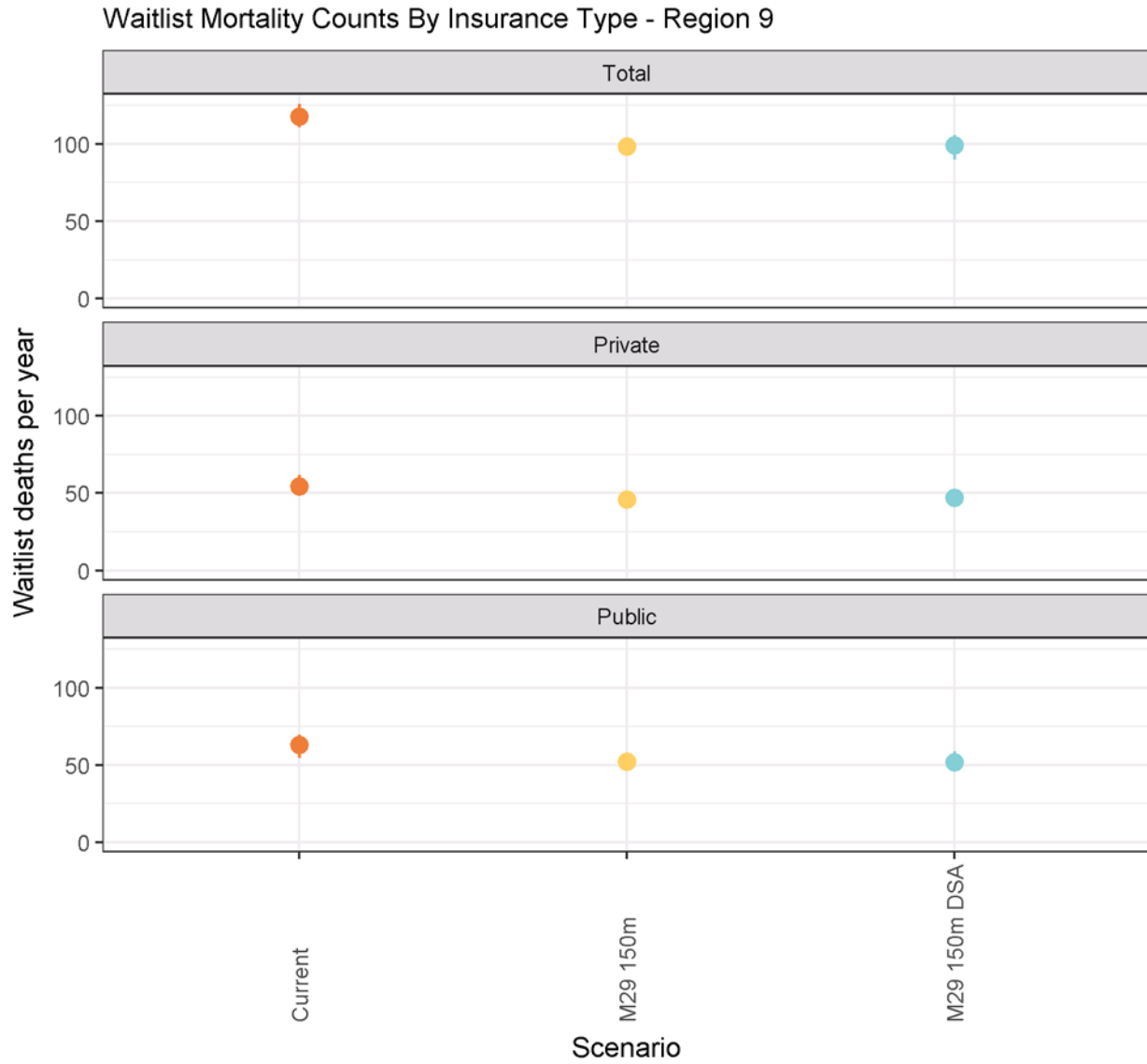


Figure 58 Waitlist mortality counts by insurance type - region 9

Table 58 Waitlist mortality counts by insurance type - region 9

Scenario	Total	Private	Public
Current	117.6 (110.7,126)	54.4 (50.3,61.7)	63.2 (54.7,69.7)
M29 150m	98.2 (93.3,101.7)	46 (42.3,50.7)	52.3 (46.7,57.7)
M29 150m DSA	99.2 (90,105.7)	47.1 (42.7,51.3)	52.1 (47.3,58.7)

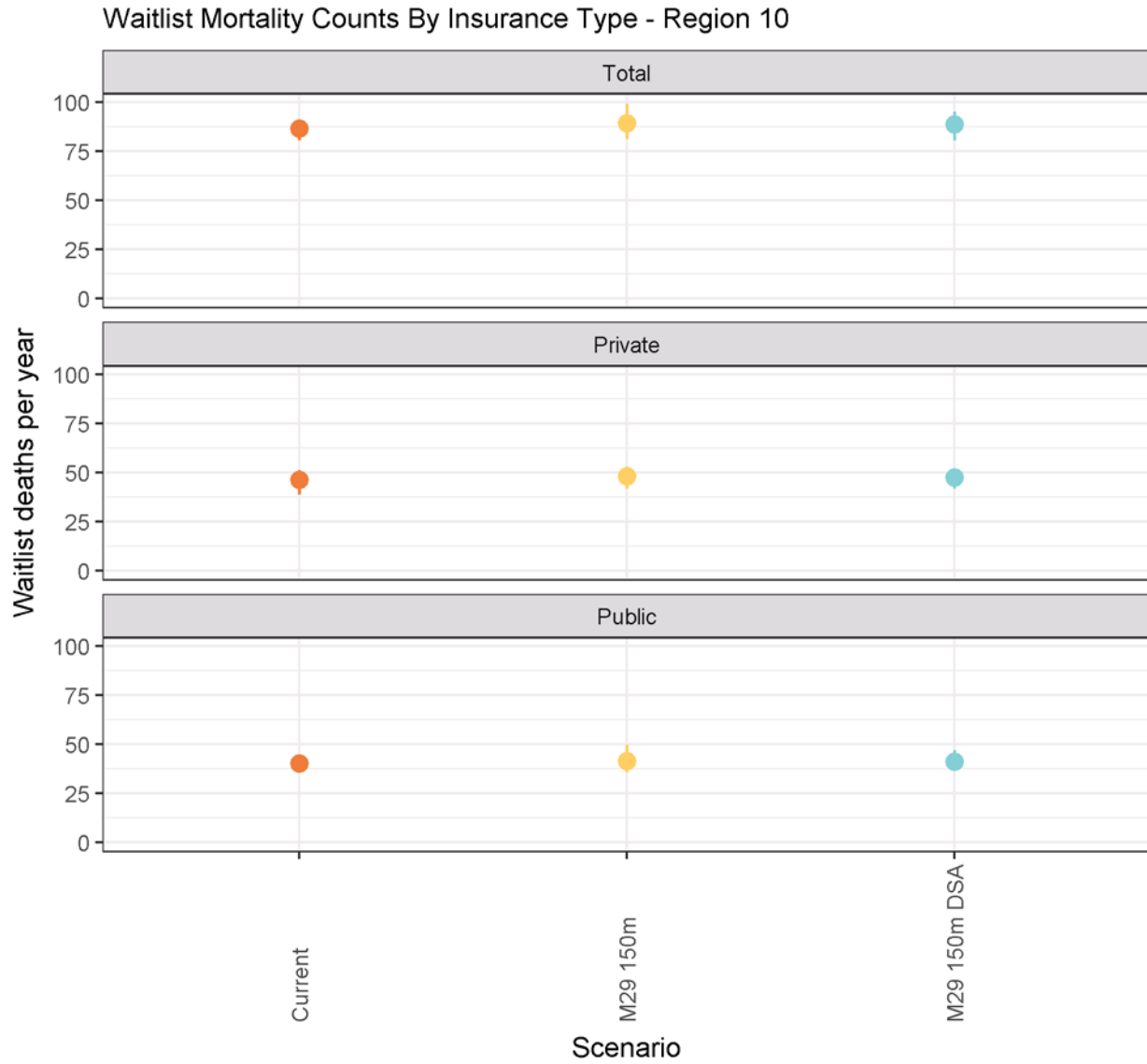


Figure 59 Waitlist mortality counts by insurance type - region 10

Table 59 Waitlist mortality counts by insurance type - region 10

Scenario	Total	Private	Public
Current	86.7 (80.7,91)	46.4 (38.7,51)	40.3 (36.3,45)
M29 150m	89.4 (81.3,99.3)	48 (41.7,53)	41.4 (35.7,49.7)
M29 150m DSA	88.9 (80.7,95.3)	47.5 (41.7,51.3)	41.3 (39,47)

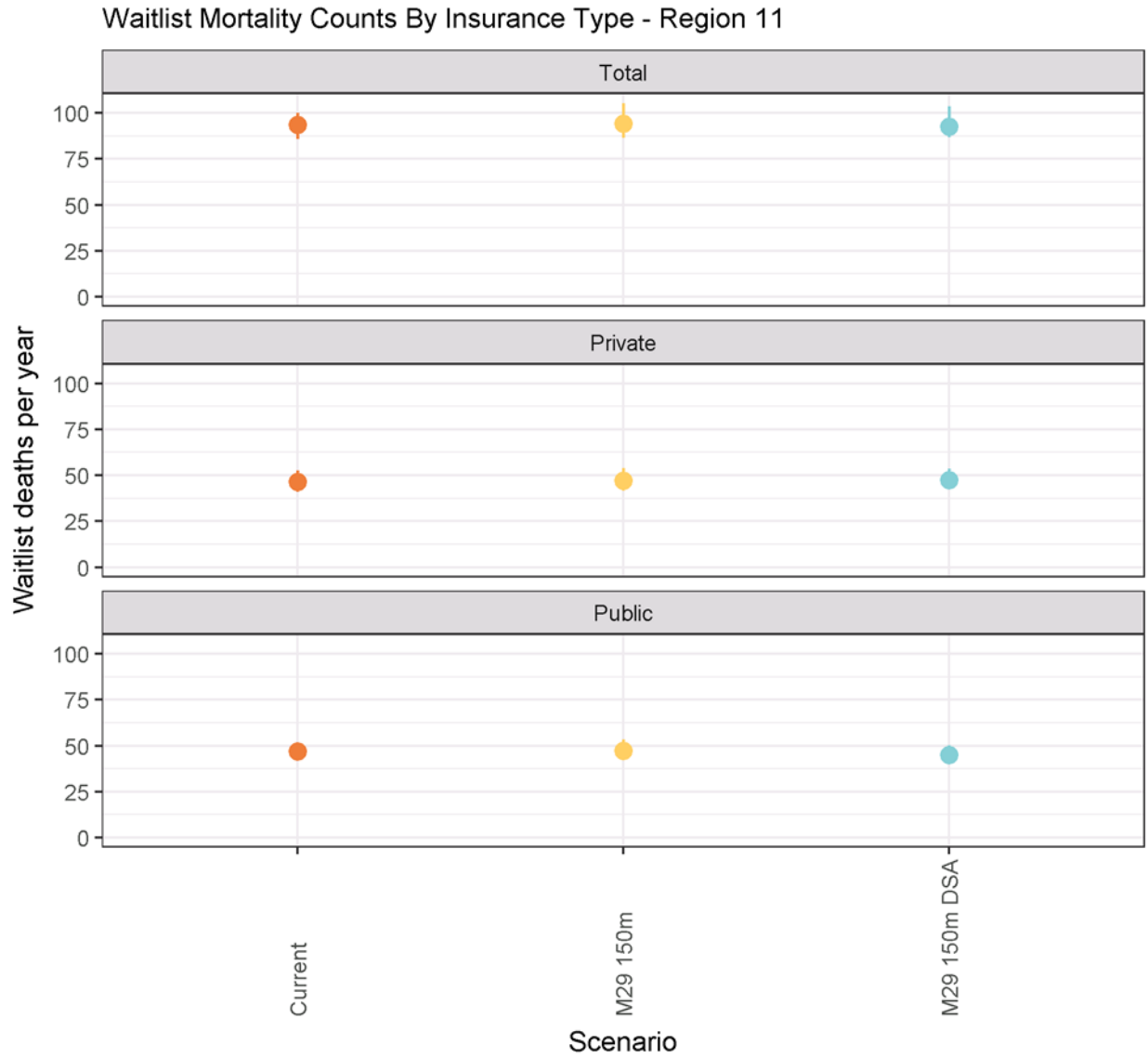


Figure 60 Waitlist mortality counts by insurance type - region 11

Table 60 Waitlist mortality counts by insurance type - region 11

Scenario	Total	Private	Public
Current	93.4 (85.7,100)	46.5 (41,52.7)	47 (43.7,50)
M29 150m	94.2 (86.3,105.3)	47 (41.7,54)	47.2 (44.7,53.3)
M29 150m DSA	92.5 (86.7,103.7)	47.5 (42.3,53.7)	45 (41,50.3)

## Urbanicity

### Median Allocation MELD/PELD at Transplant

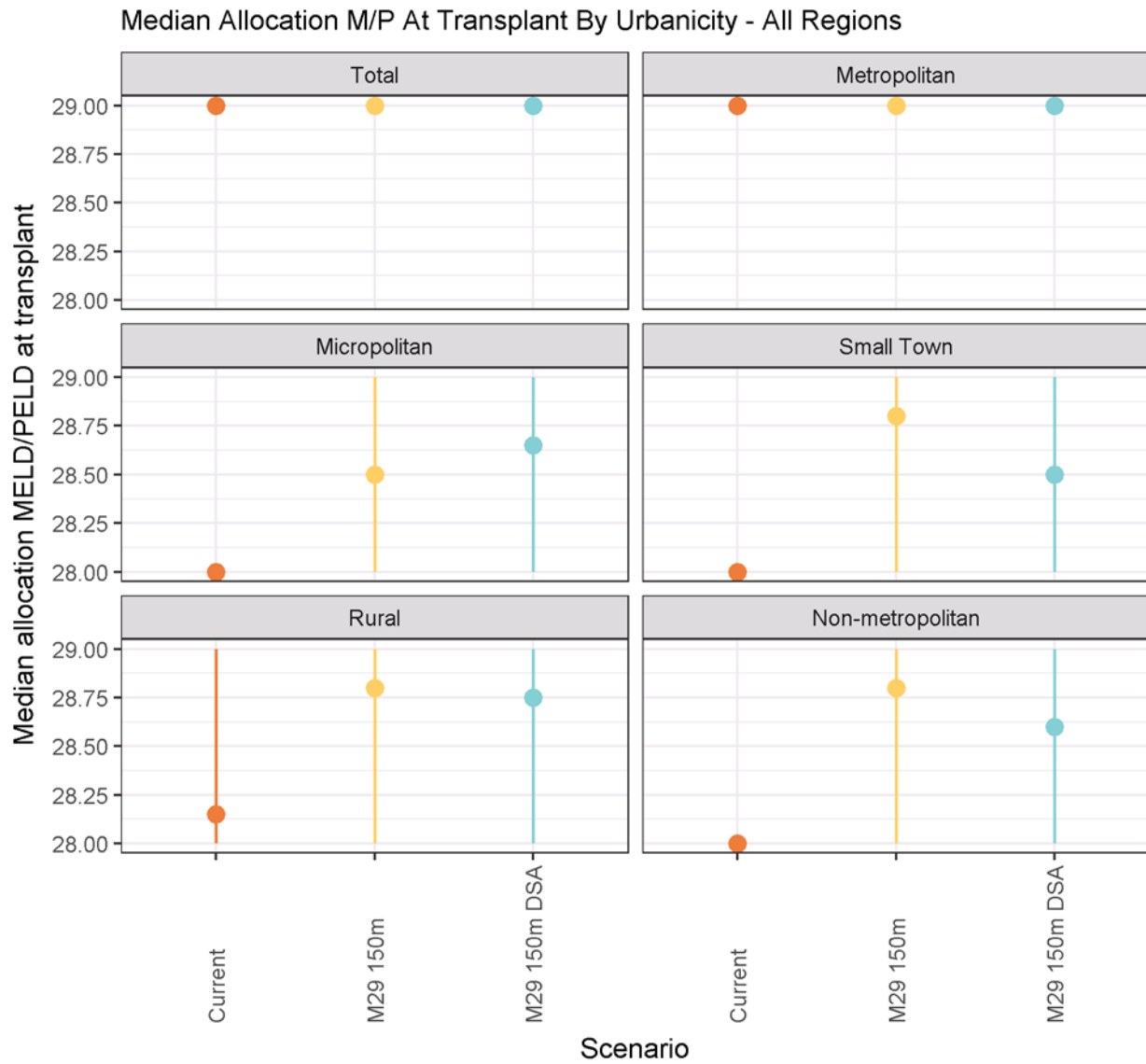


Figure 61 Median allocation MELD/PELD at transplant by urbanicity - all regions

Table 61 Median allocation MELD/PELD at transplant by urbanicity - all regions

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	29 (29,29)	29 (29,29)	28 (28,28)	28 (28,28)	28.1 (28,29)	28 (28,28)
M29 150m	29 (29,29)	29 (29,29)	28.5 (28,29)	28.8 (28,29)	28.8 (28,29)	28.8 (28,29)
M29 150m DSA	29 (29,29)	29 (29,29)	28.6 (28,29)	28.5 (28,29)	28.8 (28,29)	28.6 (28,29)

Median Allocation M/P At Transplant By Urbanicity - Region 1

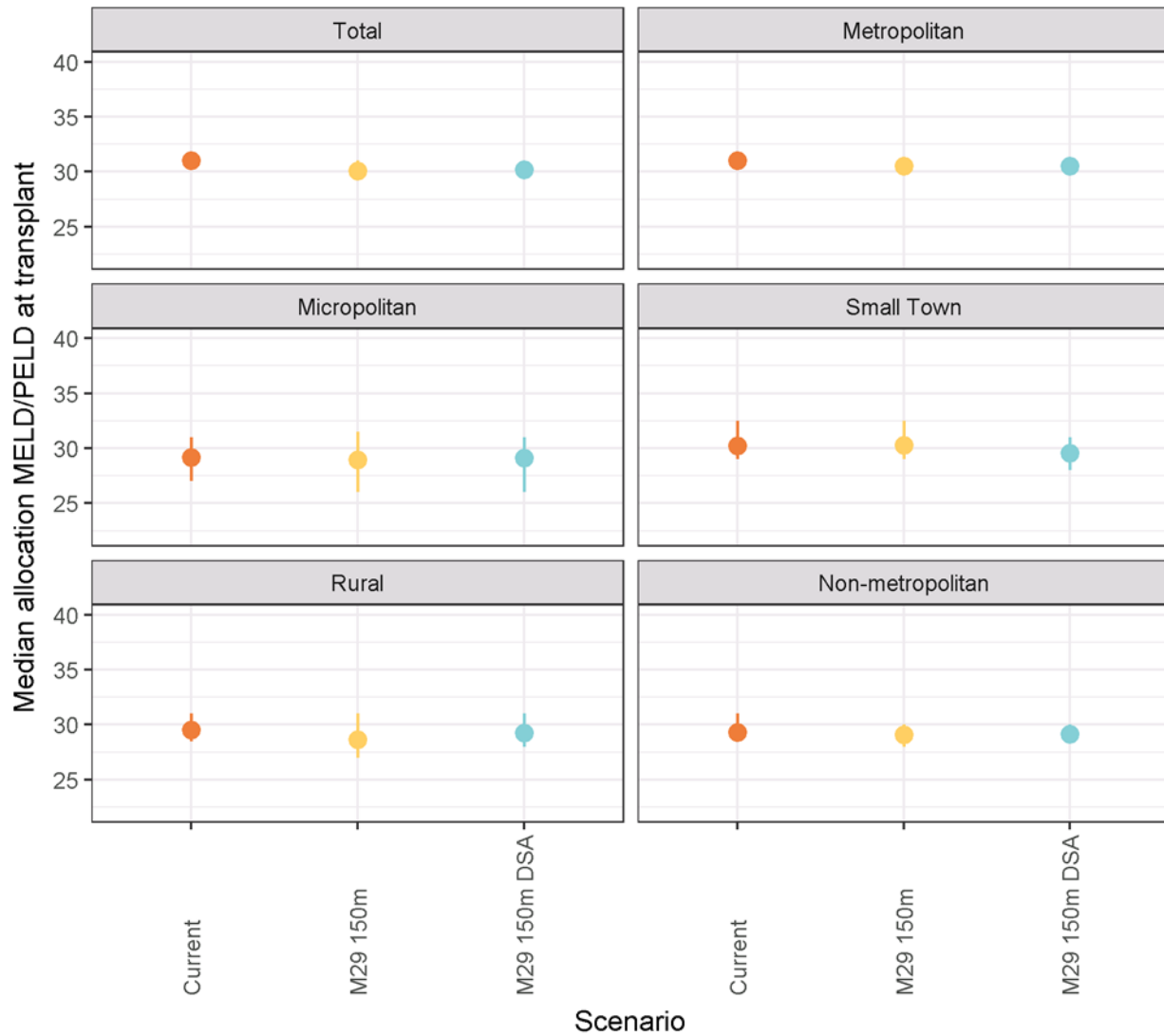


Figure 62 Median allocation MELD/PELD at transplant by urbanicity - region 1

Table 62 Median allocation MELD/PELD at transplant by urbanicity - region 1

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	31 (31,31)	31 (31,31)	29.1 (27,31)	30.2 (29,32.5)	29.5 (28.5,31)	29.3 (29,31)
M29 150m	30.1 (30,31)	30.5 (30,31)	28.9 (26,31.5)	30.2 (29,32.5)	28.6 (27,31)	29.1 (28,30)
M29 150m DSA	30.2 (30,31)	30.5 (30,31)	29.1 (26,31)	29.6 (28,31)	29.2 (28,31)	29.1 (29,30)

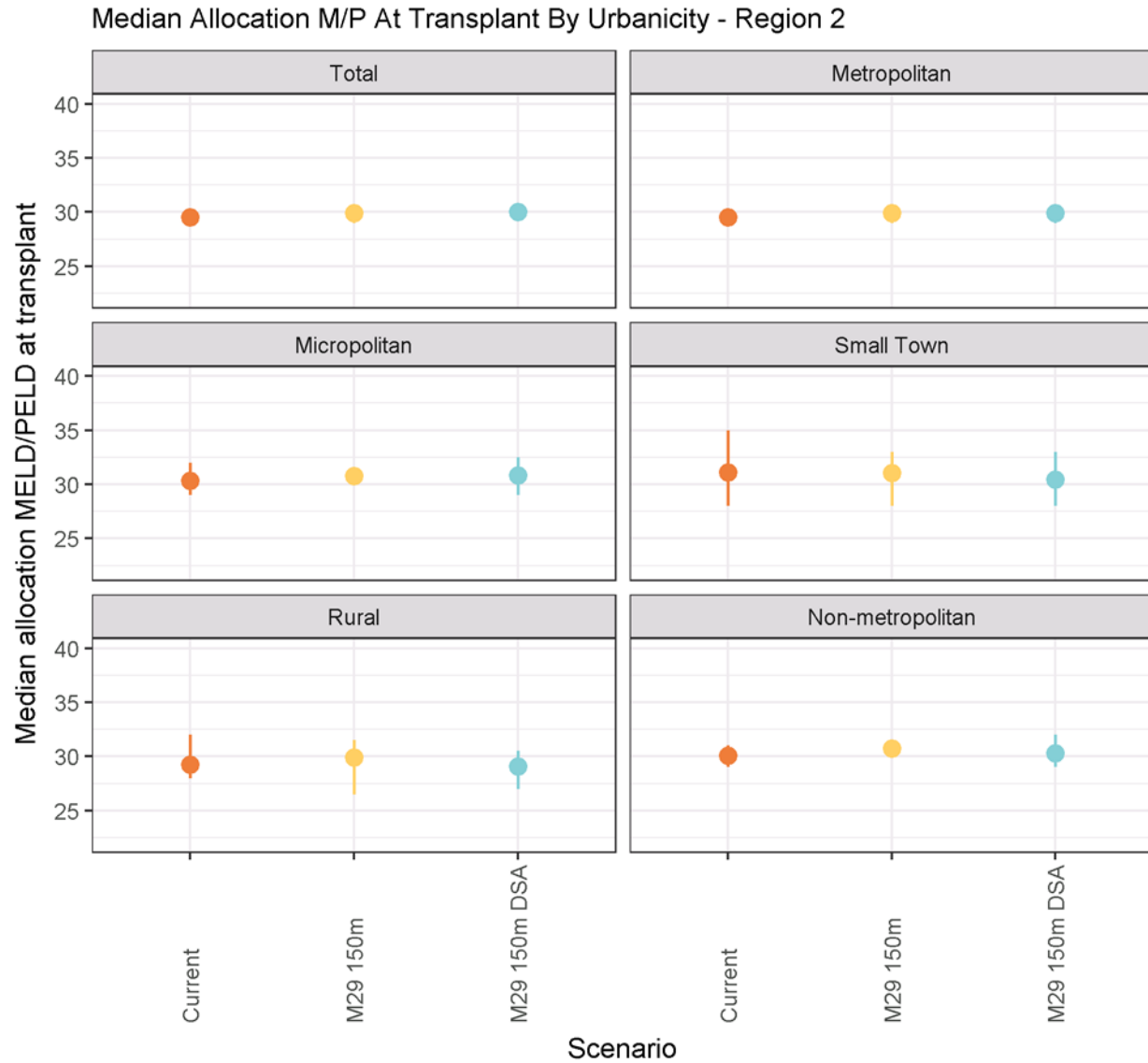


Figure 63 Median allocation MELD/PELD at transplant by urbanicity - region 2

Table 63 Median allocation MELD/PELD at transplant by urbanicity - region 2

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	29.5 (29,30)	29.5 (29,30)	30.3 (29,32)	31.1 (28,35)	29.2 (28,32)	30.1 (29,31)
M29 150m	29.9 (29,30)	29.9 (29,30)	30.8 (30,31.5)	31.1 (28,33)	29.9 (26.5,31.5)	30.8 (30,31)
M29 150m DSA	30 (30,30)	29.9 (29,30)	30.8 (29,32.5)	30.4 (28,33)	29.1 (27,30.5)	30.3 (29,32)

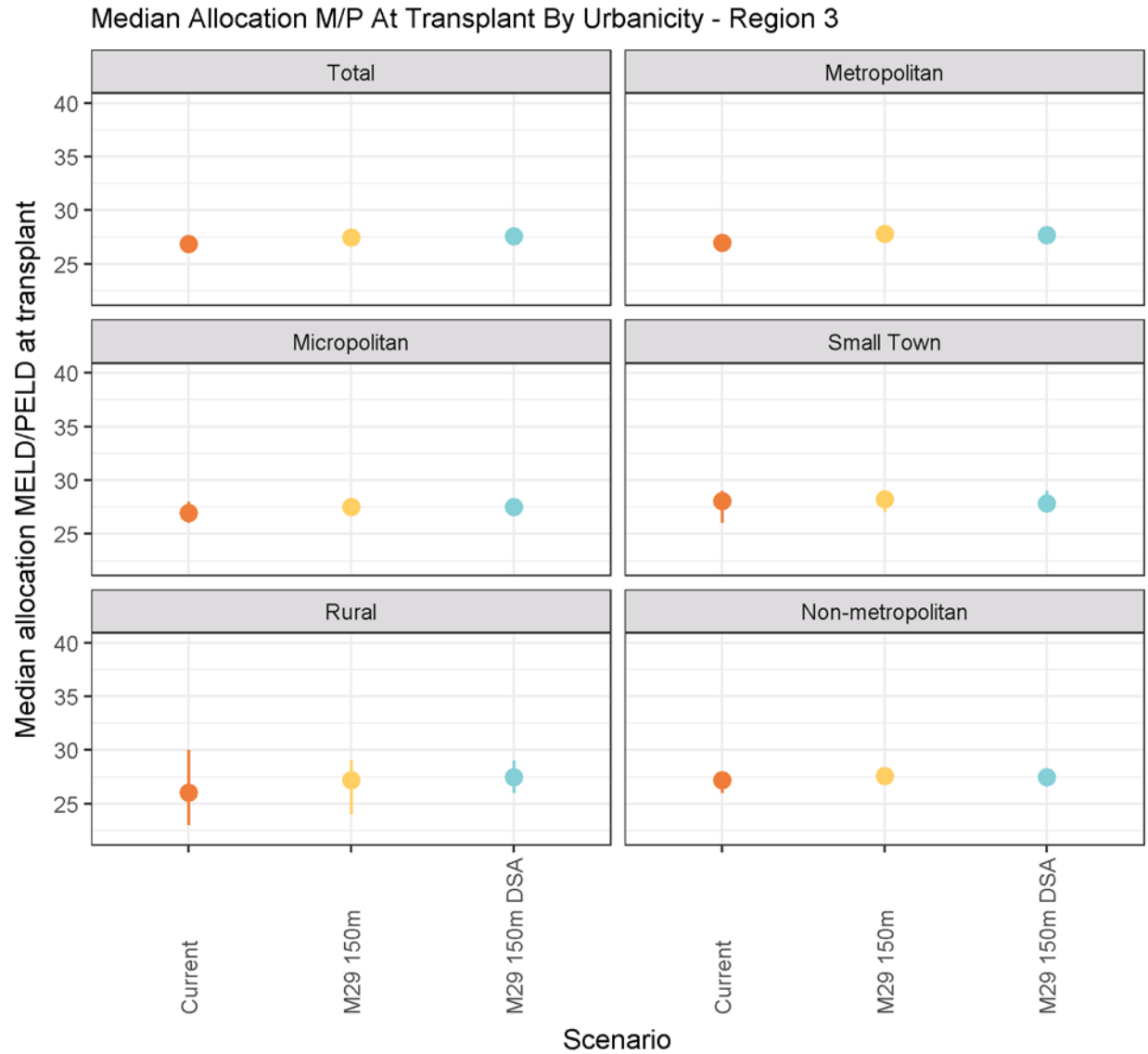


Figure 64 Median allocation MELD/PELD at transplant by urbanicity - region 3

Table 64 Median allocation MELD/PELD at transplant by urbanicity - region 3

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	26.9 (26,27)	27 (27,27)	26.9 (26,28)	28.1 (26,29)	26.1 (23,30)	27.2 (26,28)
M29 150m	27.5 (27,28)	27.8 (27,28)	27.5 (27,28)	28.2 (27,29)	27.2 (24,29)	27.6 (27,28)
M29 150m DSA	27.6 (27,28)	27.7 (27,28)	27.5 (27,28)	27.9 (27,29)	27.4 (26,29)	27.4 (27,28)

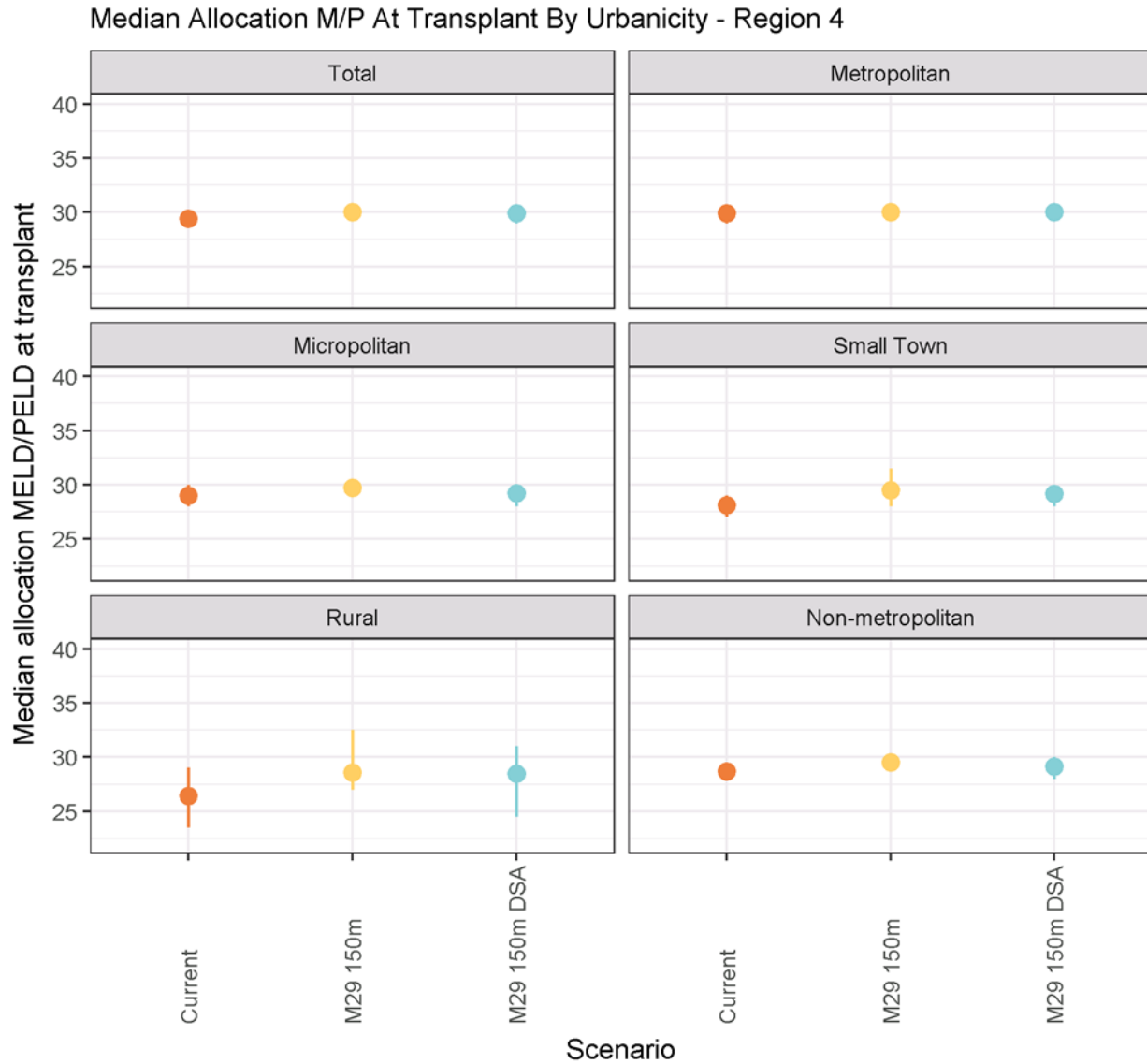


Figure 65 Median allocation MELD/PELD at transplant by urbanicity - region 4

Table 65 Median allocation MELD/PELD at transplant by urbanicity - region 4

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	29.4 (29,30)	29.9 (29,30)	29 (28,30)	28.1 (27,29)	26.4 (23.5,29)	28.7 (28,29)
M29 150m	30 (30,30)	30 (30,30)	29.7 (29,30)	29.5 (28,31.5)	28.6 (27,32.5)	29.5 (29,30)
M29 150m DSA	29.9 (29,30)	30 (30,30)	29.2 (28,30)	29.1 (28,30)	28.4 (24.5,31)	29.1 (28,30)



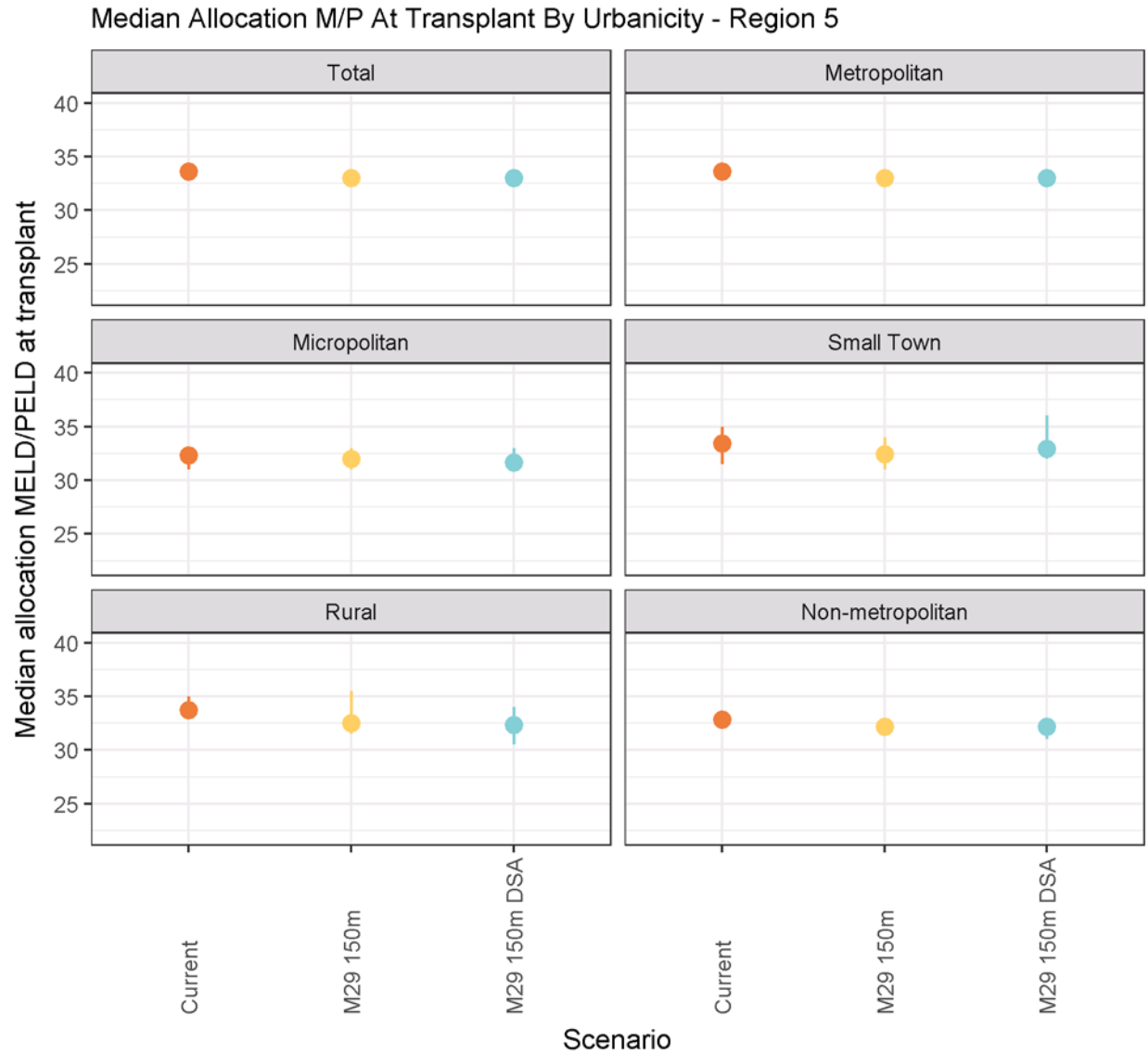


Figure 66 Median allocation MELD/PELD at transplant by urbanicity - region 5

Table 66 Median allocation MELD/PELD at transplant by urbanicity - region 5

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	33.6 (33,34)	33.6 (33,34)	32.3 (31,33)	33.5 (31.5,35)	33.8 (33,35)	32.9 (32,33)
M29 150m	33 (33,33)	33 (33,33)	32 (31,33)	32.5 (31,34)	32.5 (31.5,35.5)	32.2 (32,33)
M29 150m DSA	33 (33,33)	33 (33,33)	31.6 (31,33)	33 (32,36)	32.4 (30.5,34)	32.2 (31,33)

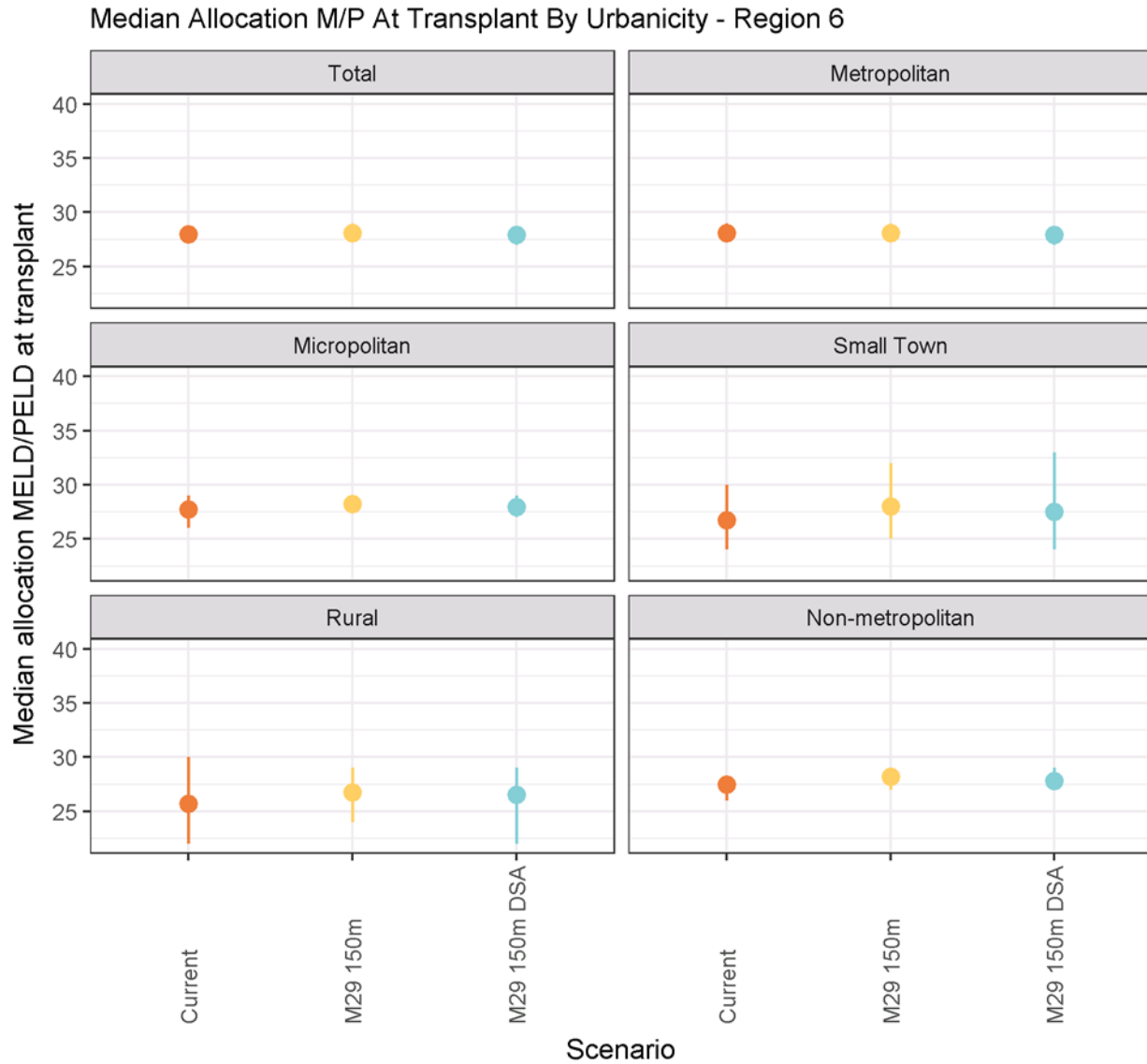


Figure 67 Median allocation MELD/PELD at transplant by urbanicity - region 6

Table 67 Median allocation MELD/PELD at transplant by urbanicity - region 6

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	28 (28,28)	28.1 (28,29)	27.8 (26,29)	26.8 (24,30)	25.7 (22,30)	27.5 (26,28)
M29 150m	28.1 (28,29)	28.1 (28,29)	28.2 (28,29)	28 (25,32)	26.8 (24,29)	28.2 (27,29)
M29 150m DSA	27.9 (27,28)	27.9 (27,28)	27.9 (27,29)	27.5 (24,33)	26.6 (22,29)	27.8 (27,29)

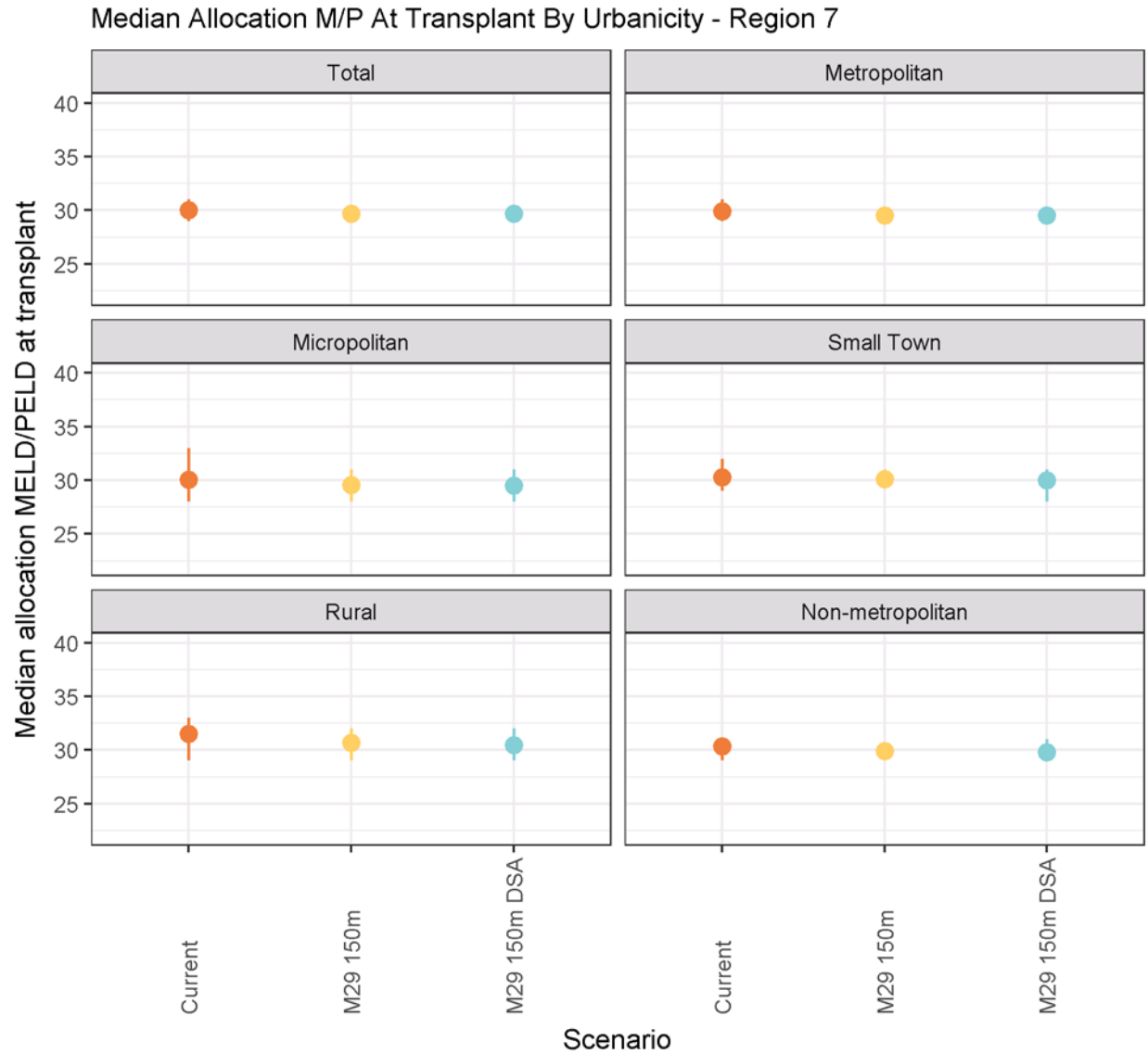


Figure 68 Median allocation MELD/PELD at transplant by urbanicity - region 7

Table 68 Median allocation MELD/PELD at transplant by urbanicity - region 7

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	30 (29,31)	29.9 (29,31)	30.1 (28,33)	30.2 (29,32)	31.5 (29,33)	30.4 (29,31)
M29 150m	29.7 (29,30)	29.5 (29,30)	29.6 (28,31)	30.1 (29.5,31)	30.7 (29,32)	29.9 (29,30)
M29 150m DSA	29.7 (29,30)	29.5 (29,30)	29.5 (28,31)	30 (28,31)	30.4 (29,32)	29.8 (29,31)

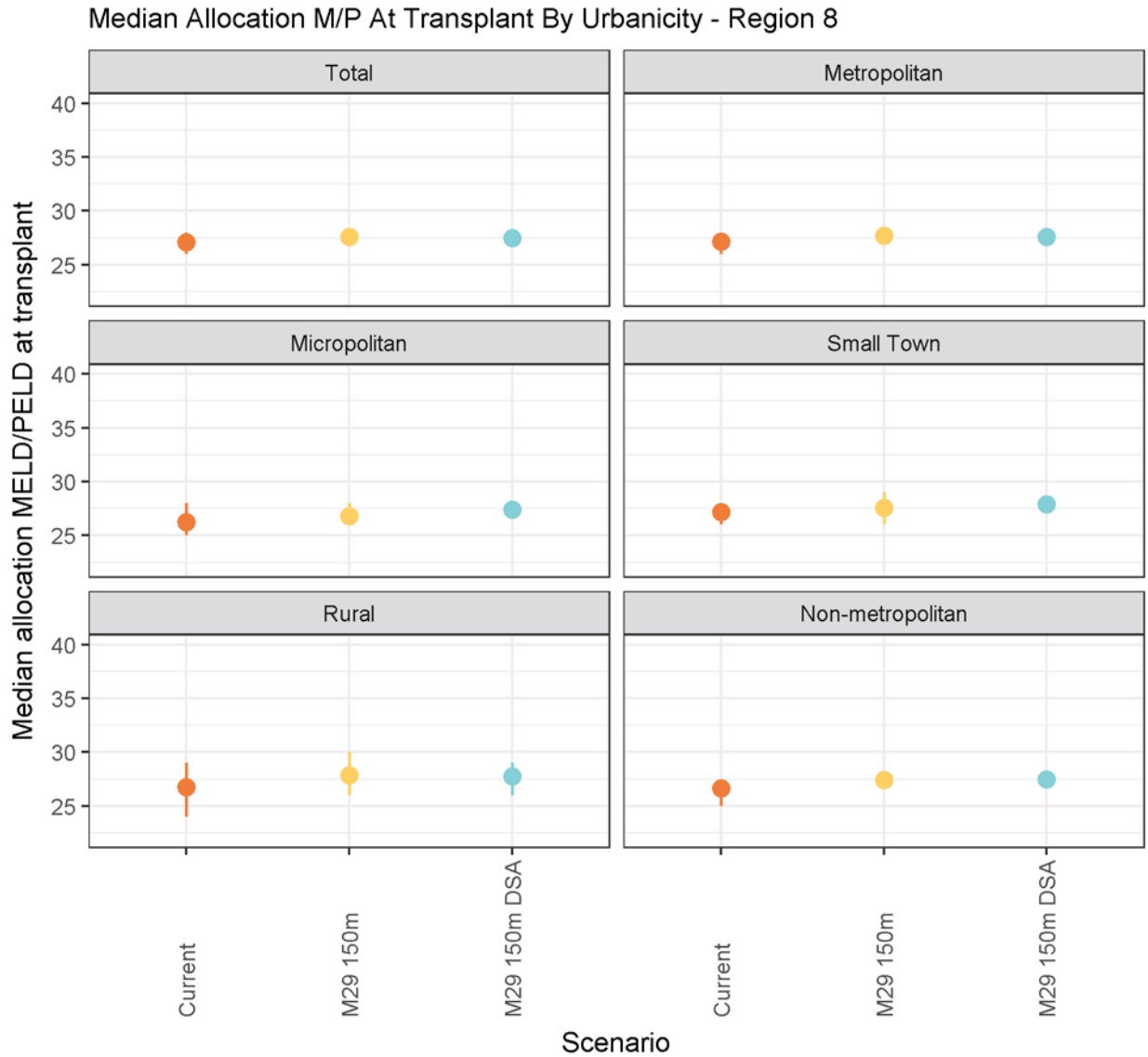


Figure 69 Median allocation MELD/PELD at transplant by urbanicity - region 8

Table 69 Median allocation MELD/PELD at transplant by urbanicity - region 8

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	27.1 (26,28)	27.1 (26,28)	26.2 (25,28)	27.2 (26,28)	26.8 (24,29)	26.6 (25,27)
M29 150m	27.6 (27,28)	27.7 (27,28)	26.8 (26,28)	27.6 (26,29)	27.9 (26,30)	27.4 (27,28)
M29 150m DSA	27.5 (27,28)	27.6 (27,28)	27.4 (27,28)	27.9 (27,28.5)	27.8 (26,29)	27.5 (27,28)

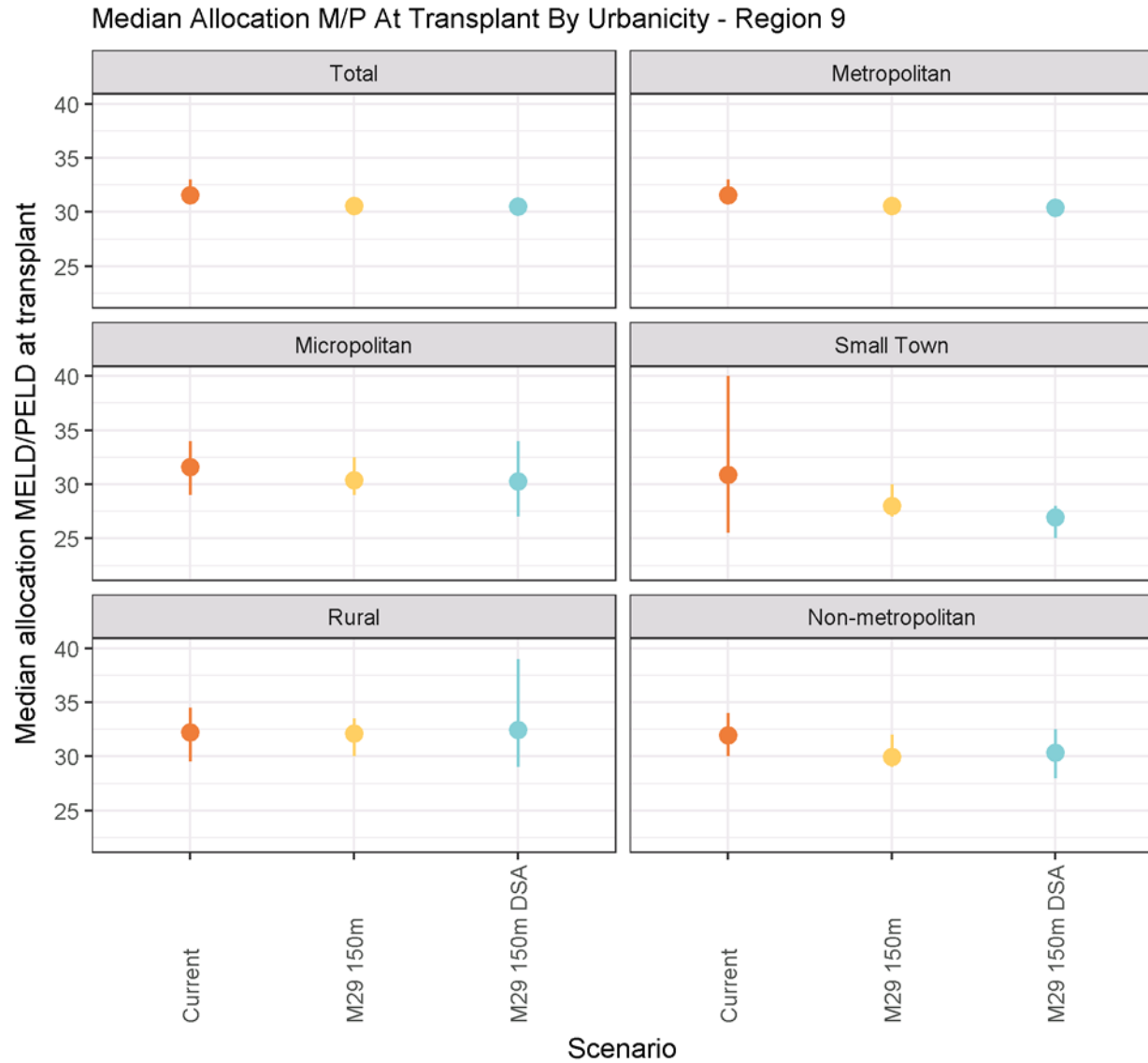


Figure 70 Median allocation MELD/PELD at transplant by urbanicity - region 9

Table 70 Median allocation MELD/PELD at transplant by urbanicity - region 9

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	31.6 (31,33)	31.6 (31,33)	31.6 (29,34)	30.9 (25.5,40)	32.2 (29.5,34.5)	31.9 (30,34)
M29 150m	30.6 (30,31)	30.6 (30,31)	30.4 (29,32.5)	28 (27,30)	32.1 (30,33.5)	29.9 (29,32)
M29 150m DSA	30.5 (30,31)	30.4 (30,31)	30.2 (27,34)	26.9 (25,28)	32.5 (29,39)	30.4 (28,32.5)

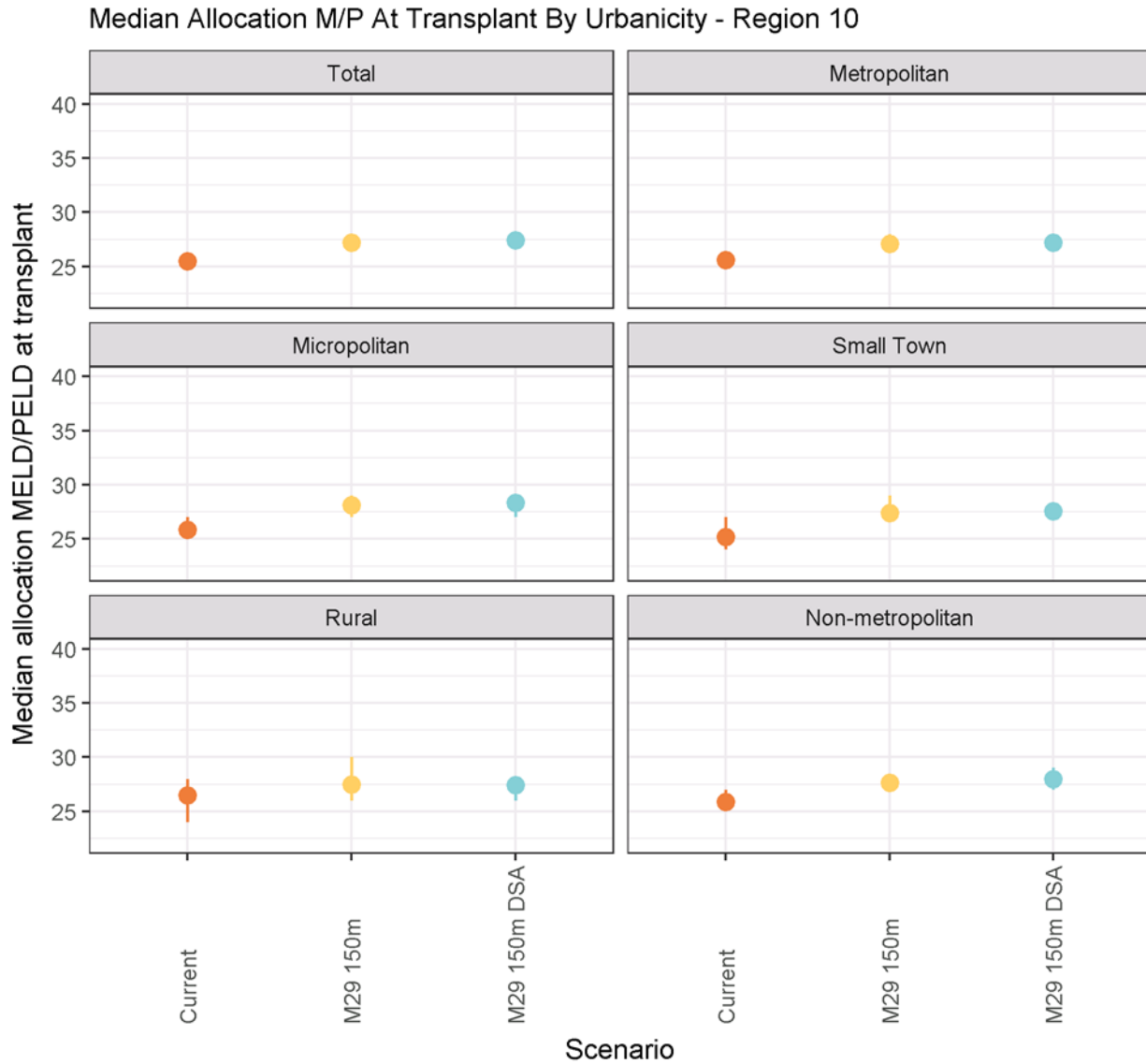


Figure 71 Median allocation MELD/PELD at transplant by urbanicity - region 10

Table 71 Median allocation MELD/PELD at transplant by urbanicity - region 10

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	25.5 (25,26)	25.6 (25,26)	25.9 (25,27)	25.2 (24,27)	26.5 (24,28)	25.9 (25,27)
M29 150m	27.2 (27,28)	27.1 (27,28)	28.1 (27,29)	27.4 (26.5,29)	27.4 (26,30)	27.6 (27,28.5)
M29 150m DSA	27.4 (27,28)	27.2 (27,28)	28.4 (27,29)	27.6 (27,28)	27.4 (26,28)	28 (27,29)

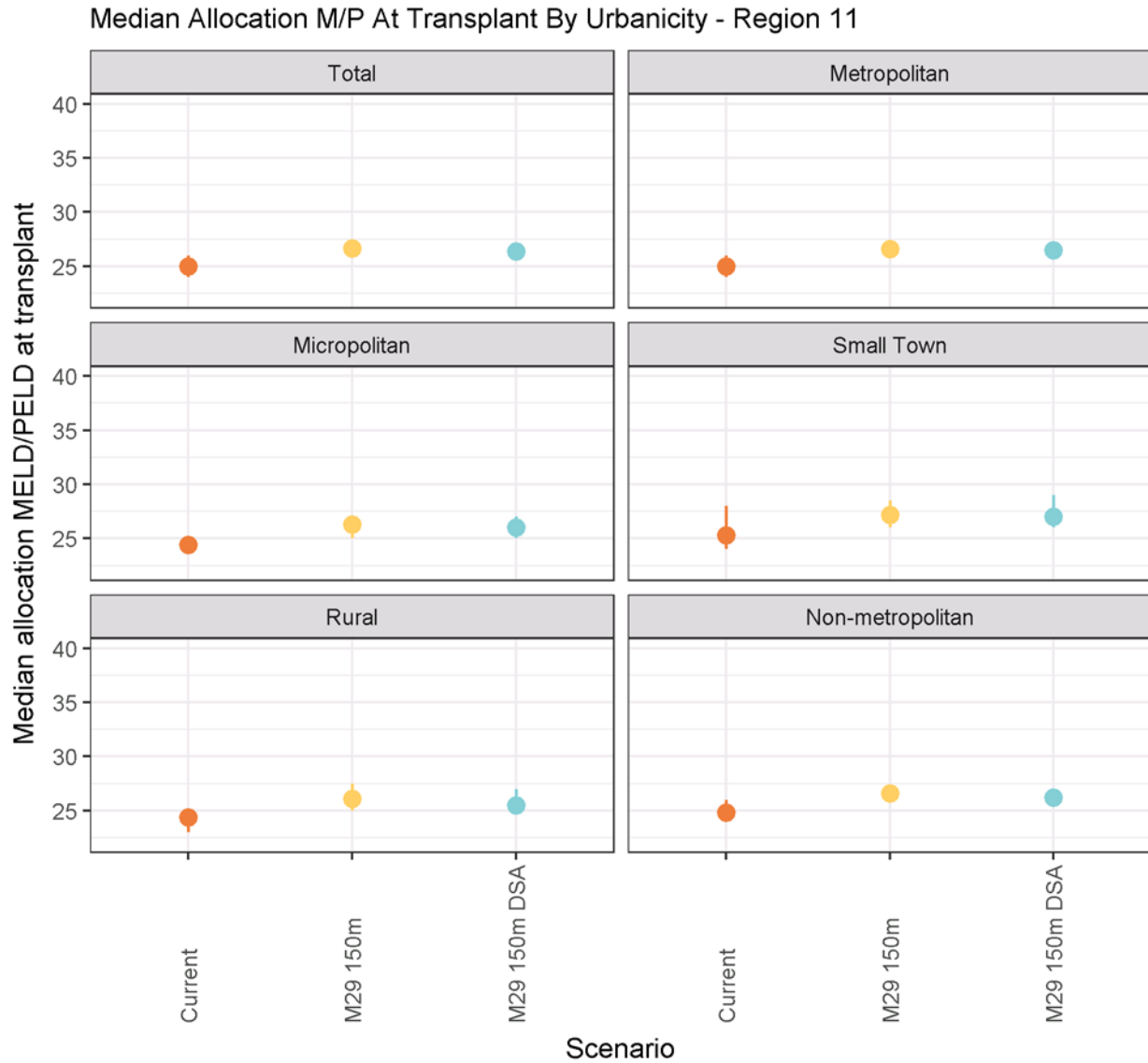


Figure 72 Median allocation MELD/PELD at transplant by urbanicity - region 11

Table 72 Median allocation MELD/PELD at transplant by urbanicity - region 11

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	25 (24,26)	25 (24,26)	24.4 (24,25)	25.3 (24,28)	24.4 (23,25)	24.8 (24,26)
M29 150m	26.6 (26,27)	26.6 (26,27)	26.3 (25,27)	27.2 (26,28.5)	26.1 (25,27.5)	26.6 (26,27)
M29 150m DSA	26.4 (26,27)	26.5 (26,27)	26 (25,27)	27 (26,29)	25.5 (25,27)	26.2 (26,27)

Transplant

Transplant Rates By Urbanicity - All Regions

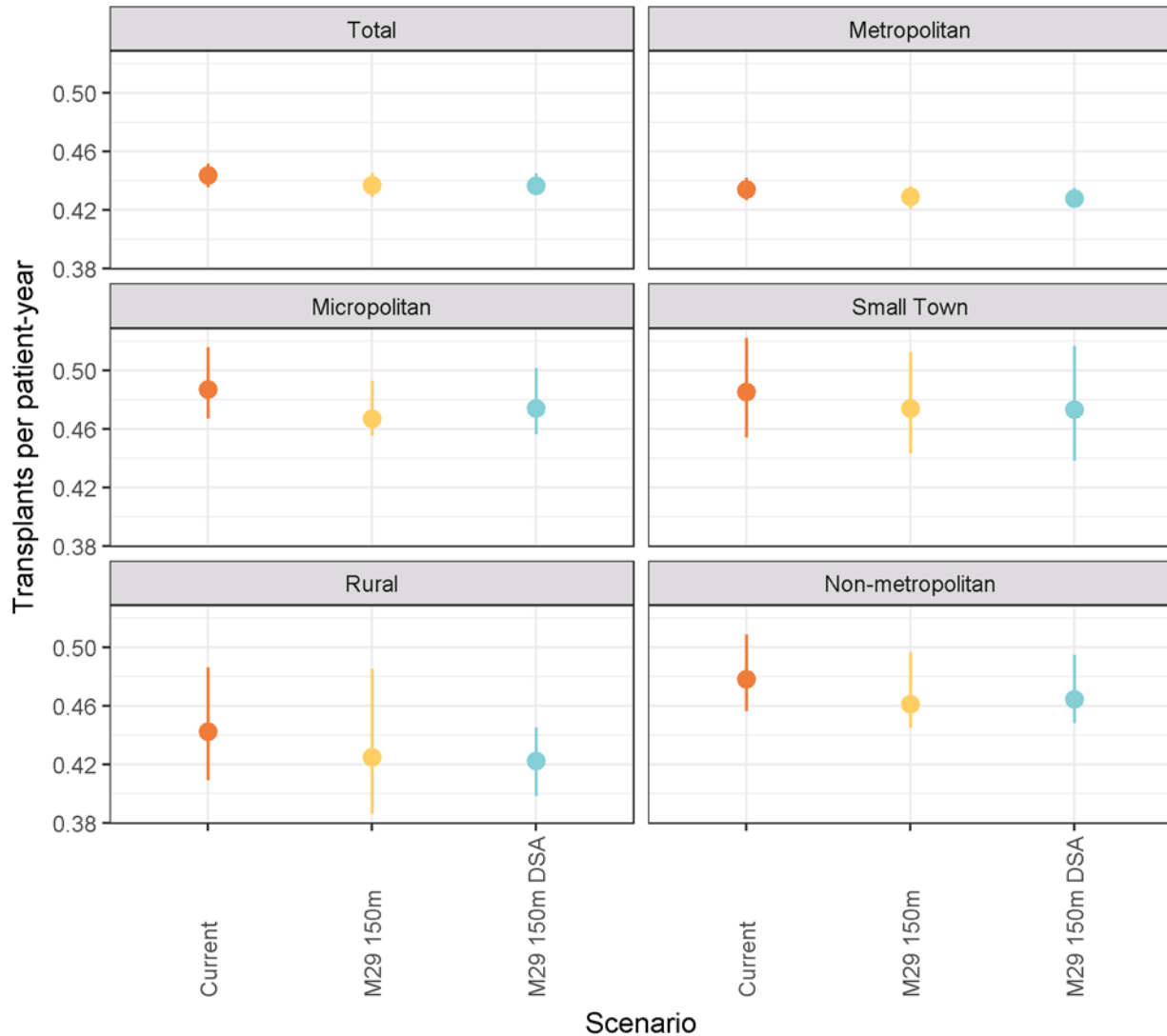


Figure 73 Transplant rates by urbanicity - all regions

Table 73 Transplant rates by urbanicity - all regions

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.444 (0.436,0.452)	0.434 (0.427,0.442)	0.487 (0.467,0.516)	0.485 (0.454,0.522)	0.442 (0.409,0.486)	0.479 (0.456,0.509)
M29 150m	0.437 (0.429,0.446)	0.429 (0.421,0.436)	0.467 (0.455,0.493)	0.474 (0.443,0.512)	0.425 (0.386,0.485)	0.461 (0.445,0.497)
M29 150m DSA	0.437 (0.431,0.445)	0.428 (0.424,0.435)	0.474 (0.456,0.501)	0.473 (0.438,0.517)	0.423 (0.398,0.446)	0.464 (0.448,0.495)



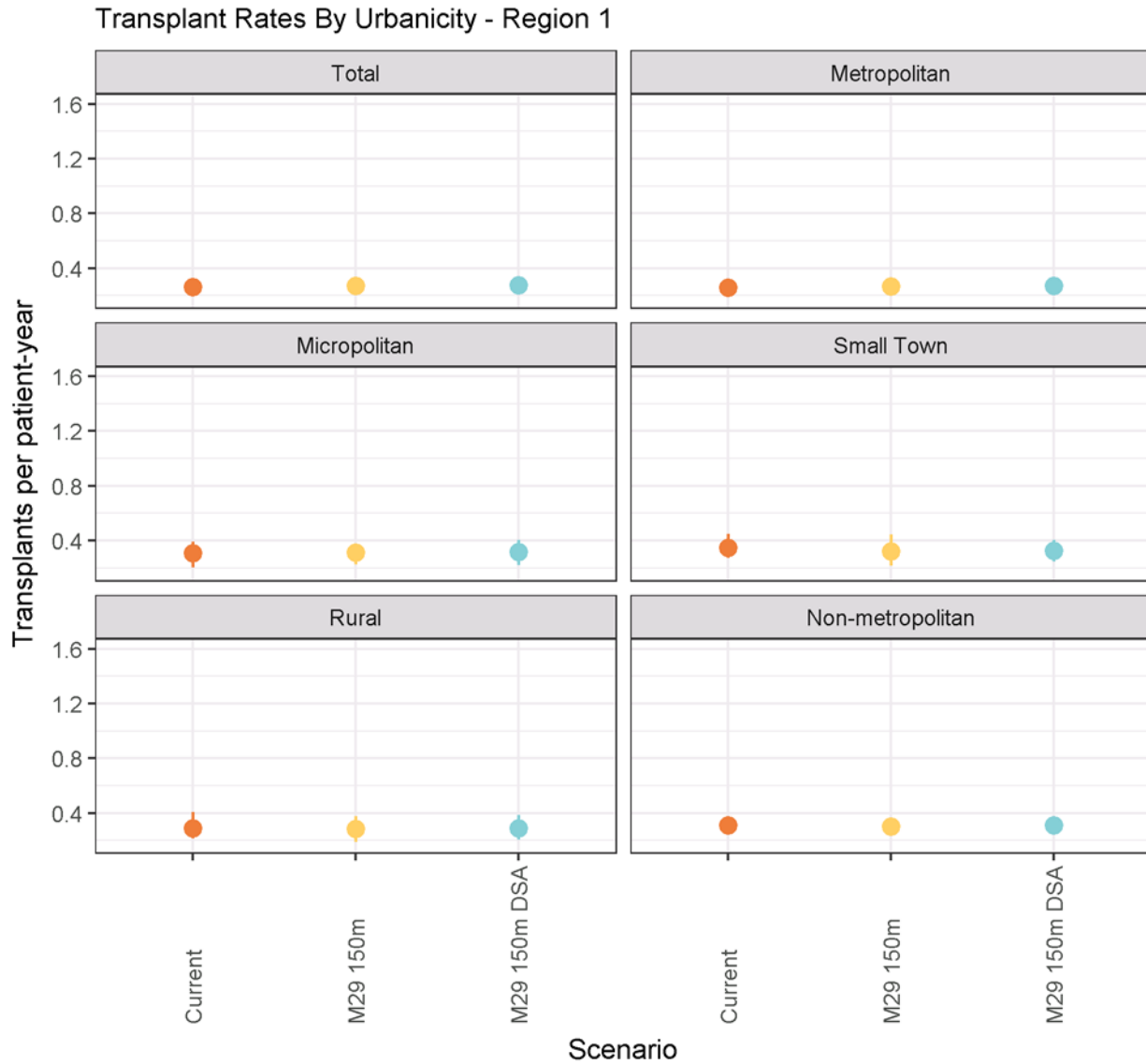


Figure 74 Transplant rates by urbanicity - region 1

Table 74 Transplant rates by urbanicity - region 1

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.263 (0.252,0.282)	0.258 (0.247,0.276)	0.309 (0.205,0.391)	0.35 (0.272,0.448)	0.29 (0.215,0.406)	0.31 (0.265,0.367)
M29 150m	0.273 (0.264,0.291)	0.269 (0.257,0.283)	0.311 (0.225,0.367)	0.322 (0.219,0.446)	0.287 (0.188,0.377)	0.304 (0.236,0.365)
M29 150m DSA	0.276 (0.266,0.288)	0.272 (0.26,0.285)	0.318 (0.223,0.406)	0.327 (0.248,0.406)	0.288 (0.206,0.387)	0.31 (0.243,0.376)

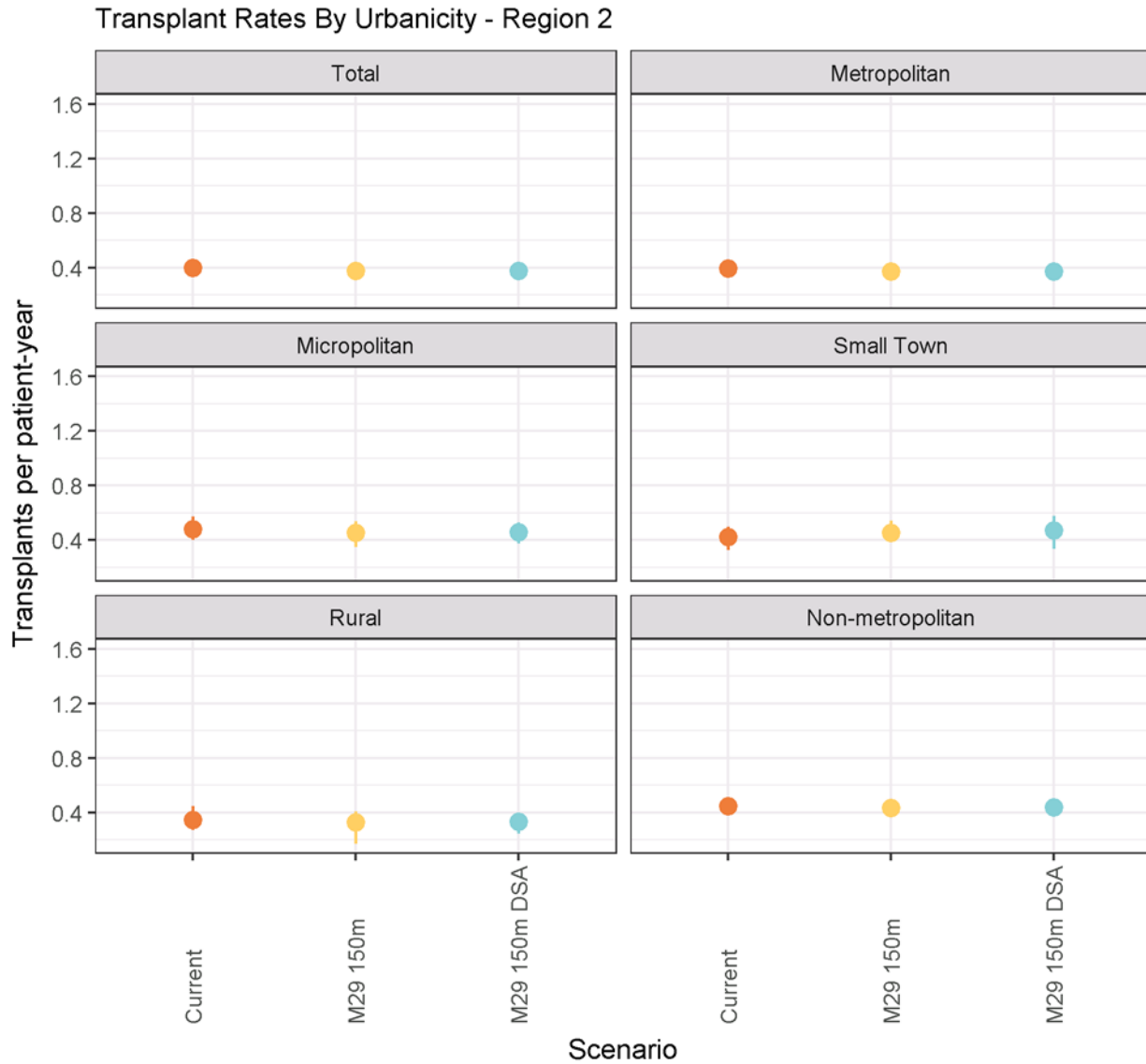


Figure 75 Transplant rates by urbanicity - region 2

Table 75 Transplant rates by urbanicity - region 2

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.398 (0.377,0.415)	0.393 (0.375,0.409)	0.482 (0.4,0.572)	0.425 (0.327,0.5)	0.347 (0.272,0.449)	0.446 (0.388,0.482)
M29 150m	0.378 (0.371,0.388)	0.372 (0.366,0.38)	0.455 (0.35,0.539)	0.456 (0.411,0.543)	0.329 (0.17,0.409)	0.432 (0.394,0.464)
M29 150m DSA	0.378 (0.366,0.385)	0.371 (0.361,0.378)	0.458 (0.375,0.527)	0.47 (0.337,0.578)	0.333 (0.246,0.386)	0.438 (0.401,0.477)

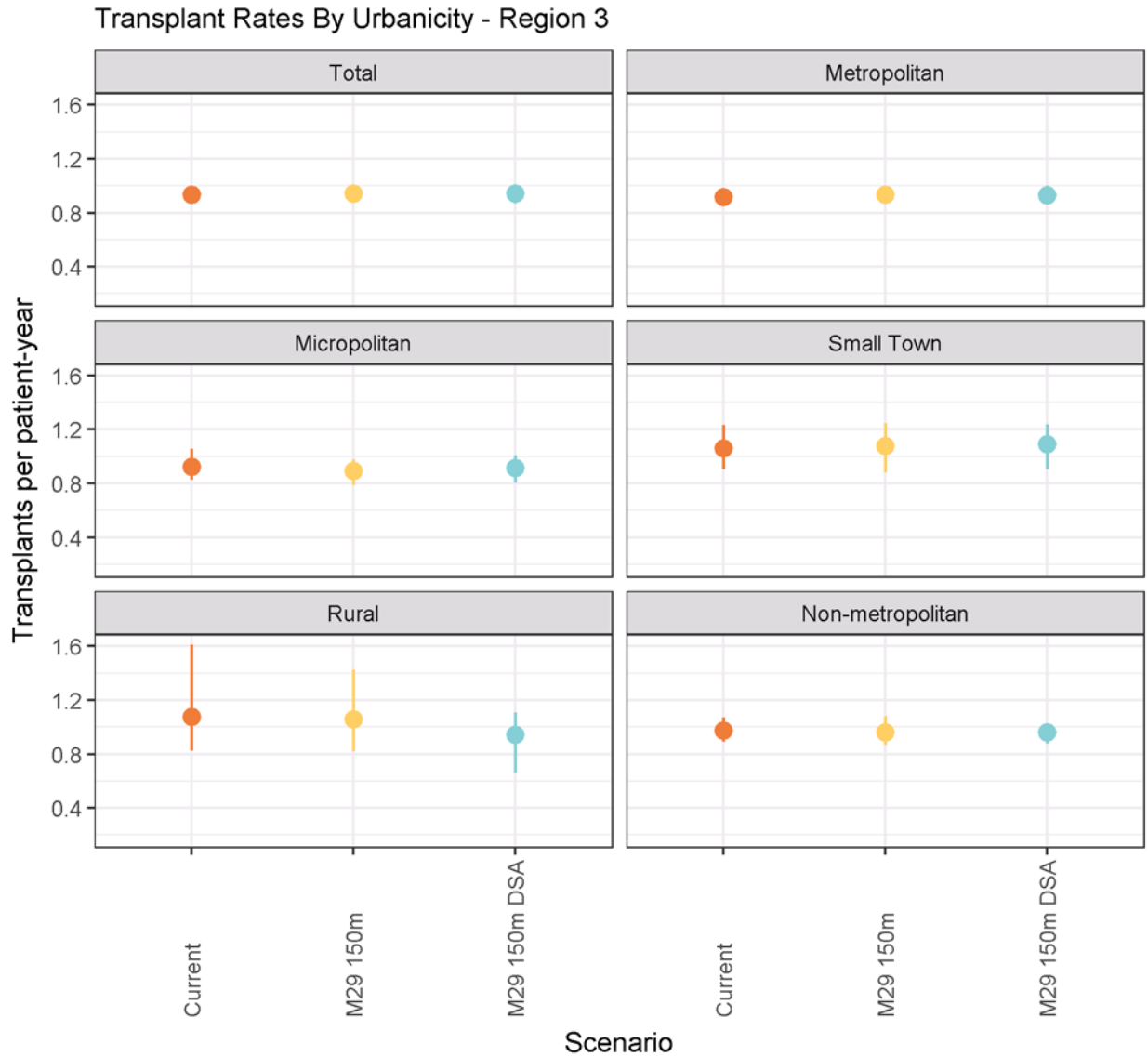


Figure 76 Transplant rates by urbanicity - region 3

Table 76 Transplant rates by urbanicity - region 3

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.934 (0.87,0.981)	0.916 (0.862,0.956)	0.925 (0.826,1.055)	1.06 (0.907,1.234)	1.074 (0.826,1.612)	0.976 (0.889,1.07)
M29 150m	0.946 (0.888,1.006)	0.935 (0.872,0.999)	0.894 (0.787,0.977)	1.08 (0.881,1.246)	1.06 (0.822,1.425)	0.961 (0.87,1.079)
M29 150m DSA	0.942 (0.868,1.007)	0.93 (0.86,1)	0.914 (0.803,1.006)	1.093 (0.905,1.237)	0.945 (0.661,1.108)	0.959 (0.879,1.016)

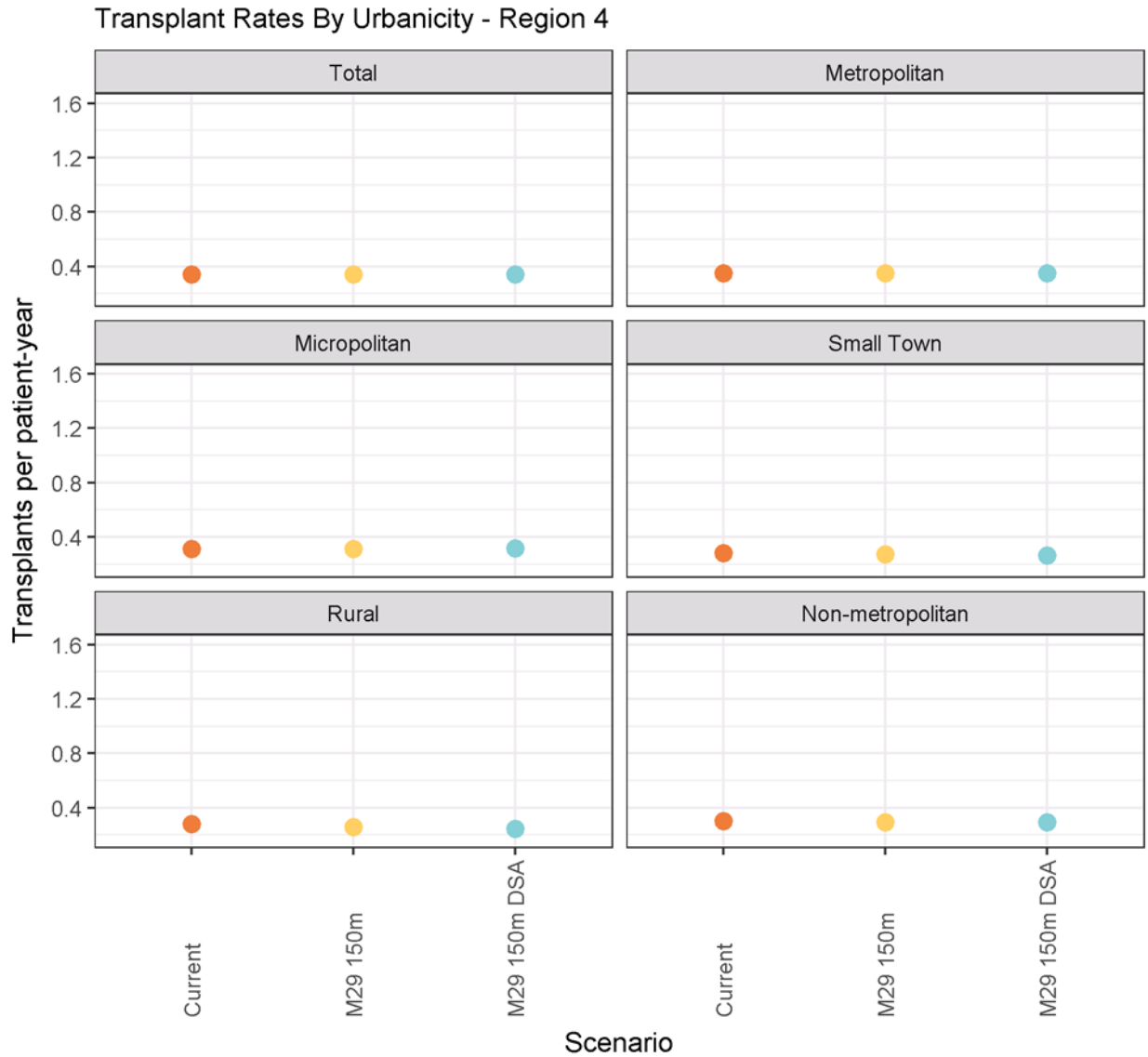


Figure 77 Transplant rates by urbanicity - region 4

Table 77 Transplant rates by urbanicity - region 4

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.344 (0.335,0.356)	0.351 (0.341,0.366)	0.312 (0.279,0.358)	0.284 (0.265,0.313)	0.279 (0.219,0.341)	0.301 (0.277,0.326)
M29 150m	0.343 (0.327,0.36)	0.352 (0.335,0.371)	0.311 (0.28,0.376)	0.273 (0.238,0.322)	0.256 (0.209,0.297)	0.294 (0.269,0.334)
M29 150m DSA	0.343 (0.332,0.356)	0.352 (0.339,0.366)	0.315 (0.288,0.381)	0.266 (0.233,0.304)	0.246 (0.182,0.304)	0.294 (0.269,0.326)

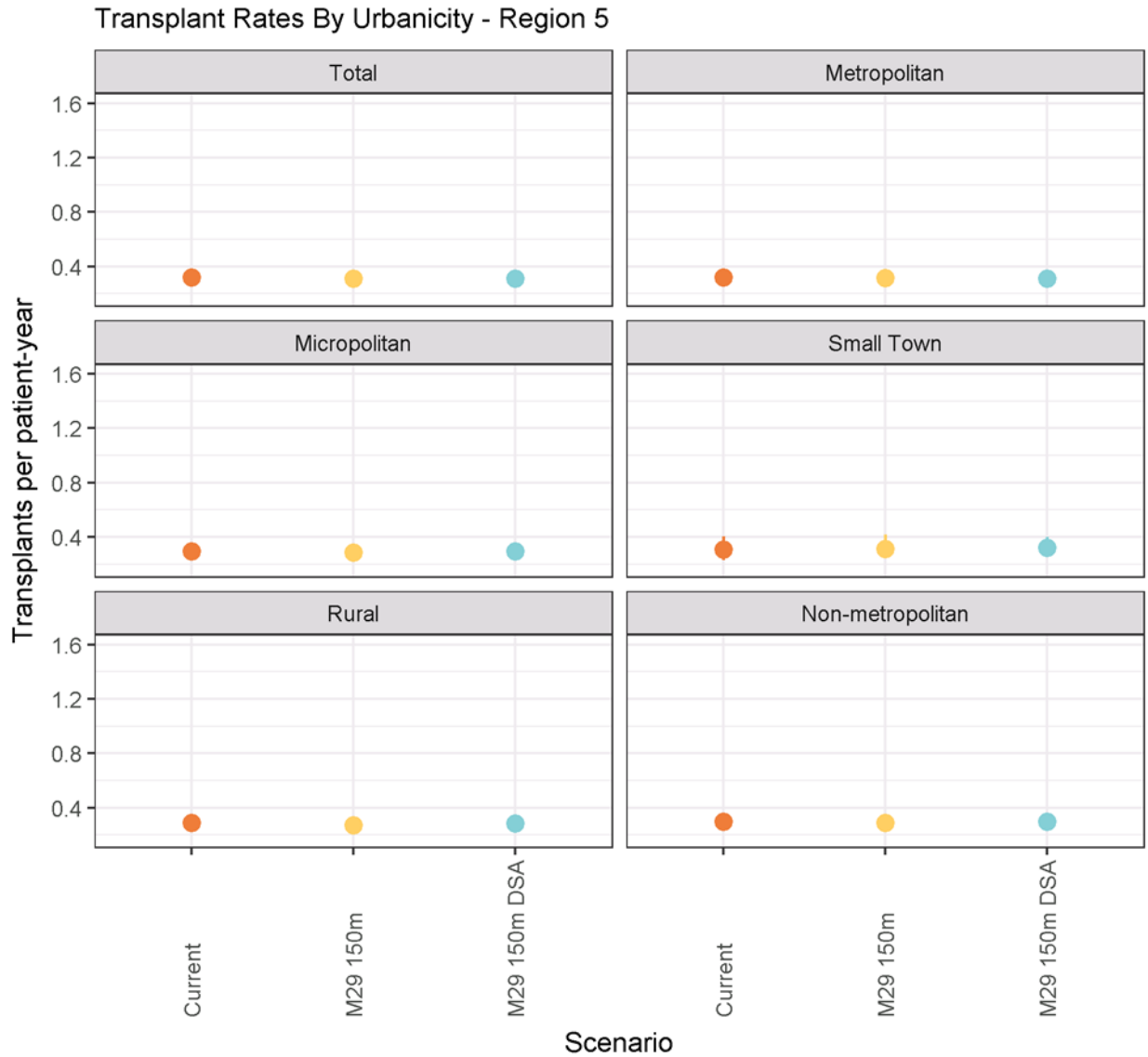


Figure 78 Transplant rates by urbanicity - region 5

Table 78 Transplant rates by urbanicity - region 5

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.318 (0.305,0.325)	0.32 (0.308,0.326)	0.295 (0.258,0.321)	0.31 (0.23,0.406)	0.291 (0.243,0.34)	0.296 (0.271,0.318)
M29 150m	0.313 (0.3,0.319)	0.315 (0.305,0.323)	0.286 (0.246,0.319)	0.314 (0.27,0.417)	0.272 (0.222,0.323)	0.288 (0.257,0.321)
M29 150m DSA	0.312 (0.303,0.317)	0.313 (0.306,0.321)	0.296 (0.249,0.331)	0.32 (0.257,0.402)	0.285 (0.246,0.347)	0.299 (0.271,0.326)

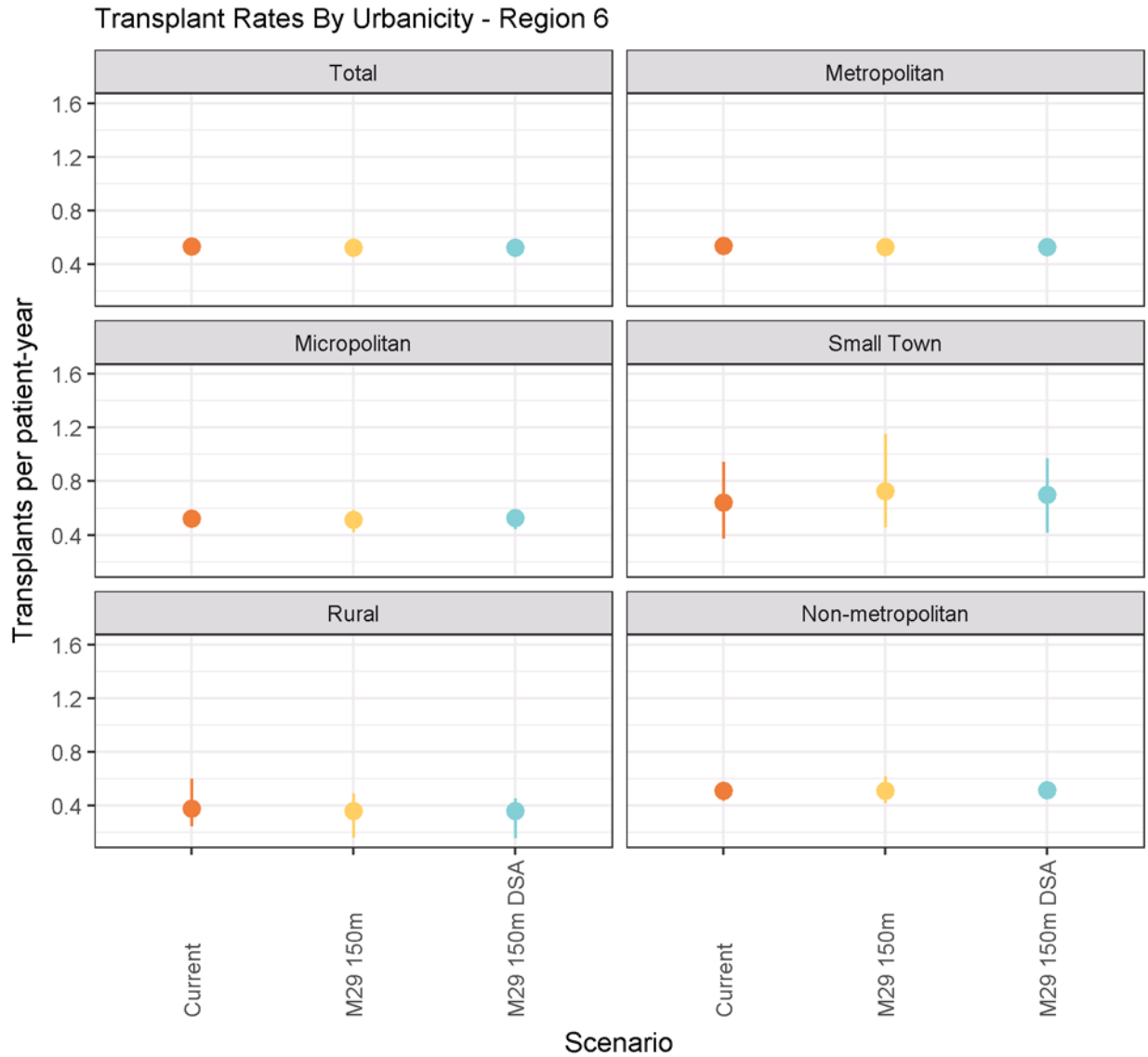


Figure 79 Transplant rates by urbanicity - region 6

Table 79 Transplant rates by urbanicity - region 6

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.533 (0.477,0.558)	0.538 (0.489,0.561)	0.524 (0.46,0.589)	0.64 (0.371,0.943)	0.377 (0.247,0.6)	0.513 (0.437,0.557)
M29 150m	0.526 (0.486,0.568)	0.531 (0.502,0.559)	0.512 (0.422,0.585)	0.725 (0.455,1.152)	0.362 (0.161,0.49)	0.509 (0.417,0.619)
M29 150m DSA	0.525 (0.471,0.57)	0.528 (0.478,0.578)	0.527 (0.444,0.593)	0.7 (0.418,0.972)	0.359 (0.156,0.455)	0.516 (0.446,0.561)

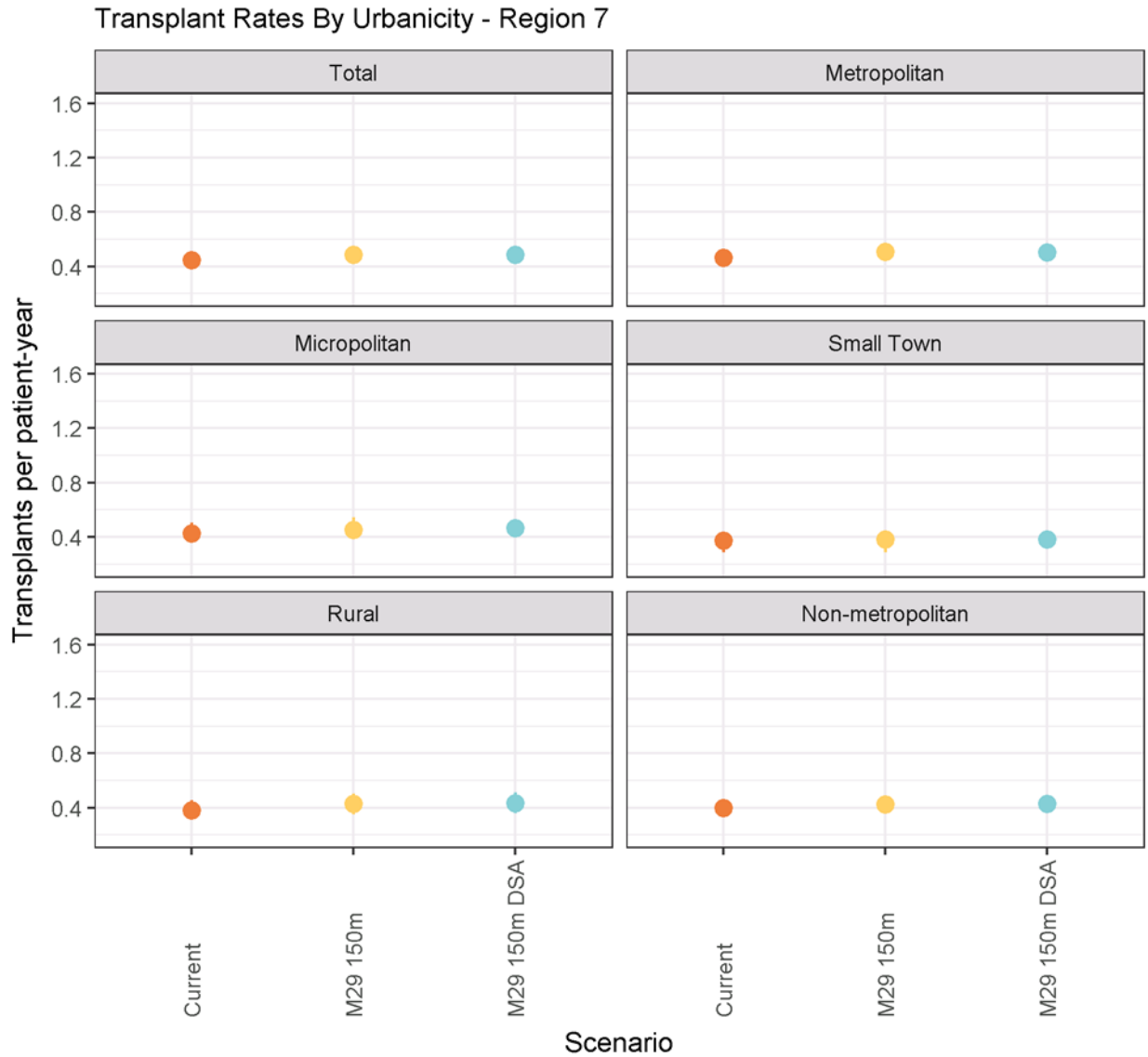


Figure 80 Transplant rates by urbanicity - region 7

Table 80 Transplant rates by urbanicity - region 7

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.447 (0.43,0.47)	0.464 (0.448,0.487)	0.428 (0.362,0.504)	0.373 (0.286,0.424)	0.383 (0.328,0.454)	0.399 (0.33,0.451)
M29 150m	0.487 (0.474,0.514)	0.508 (0.484,0.531)	0.452 (0.387,0.545)	0.384 (0.286,0.436)	0.427 (0.35,0.504)	0.424 (0.363,0.475)
M29 150m DSA	0.486 (0.475,0.511)	0.505 (0.488,0.526)	0.465 (0.4,0.519)	0.382 (0.335,0.447)	0.432 (0.359,0.511)	0.43 (0.388,0.47)

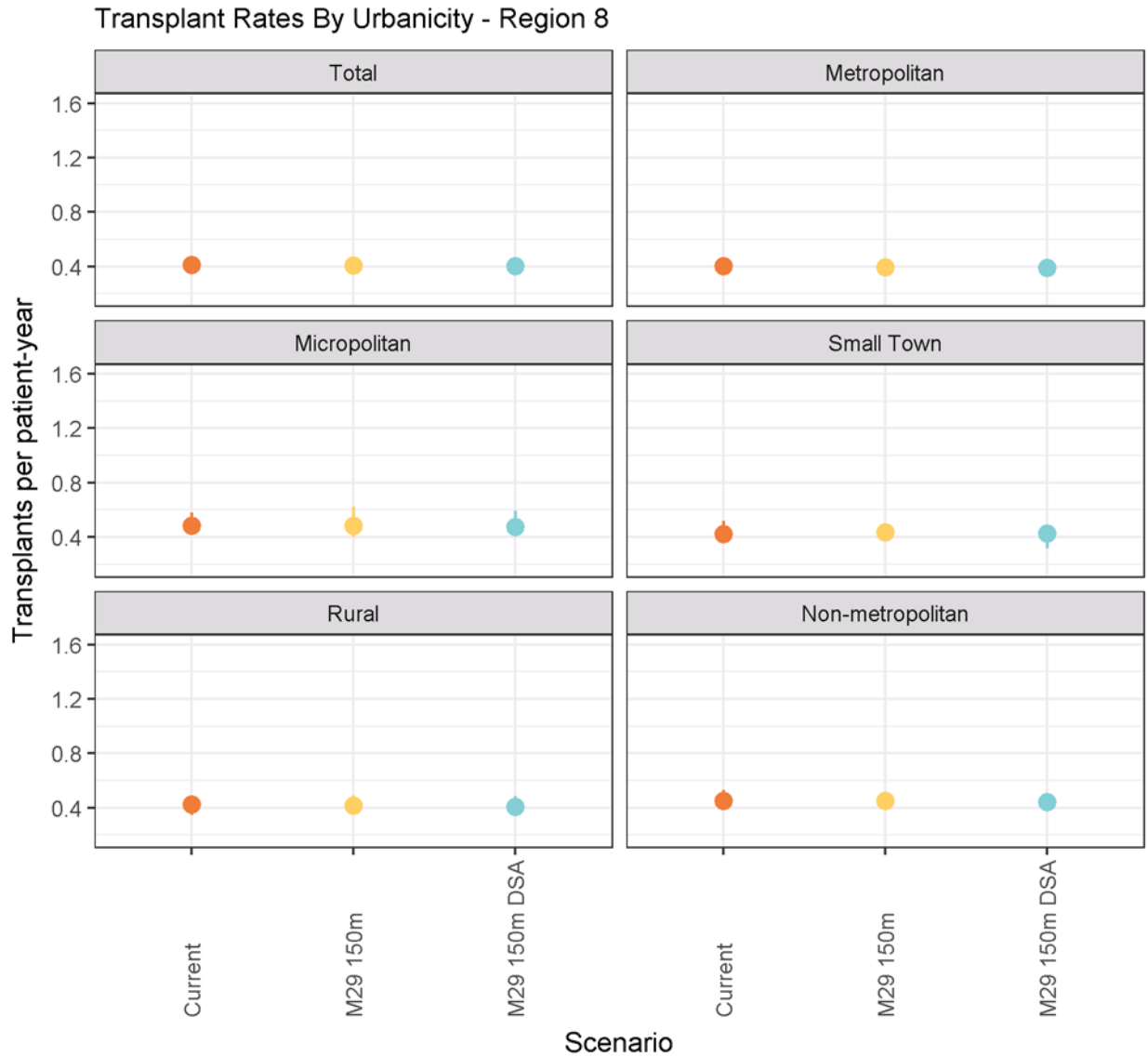


Figure 81 Transplant rates by urbanicity - region 8

Table 81 Transplant rates by urbanicity - region 8

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.414 (0.391,0.44)	0.403 (0.383,0.422)	0.486 (0.434,0.581)	0.421 (0.372,0.517)	0.424 (0.347,0.49)	0.449 (0.414,0.528)
M29 150m	0.408 (0.386,0.426)	0.394 (0.376,0.42)	0.485 (0.399,0.622)	0.434 (0.385,0.476)	0.414 (0.376,0.492)	0.451 (0.415,0.512)
M29 150m DSA	0.404 (0.376,0.428)	0.391 (0.36,0.417)	0.473 (0.424,0.592)	0.426 (0.319,0.489)	0.409 (0.356,0.486)	0.442 (0.385,0.484)



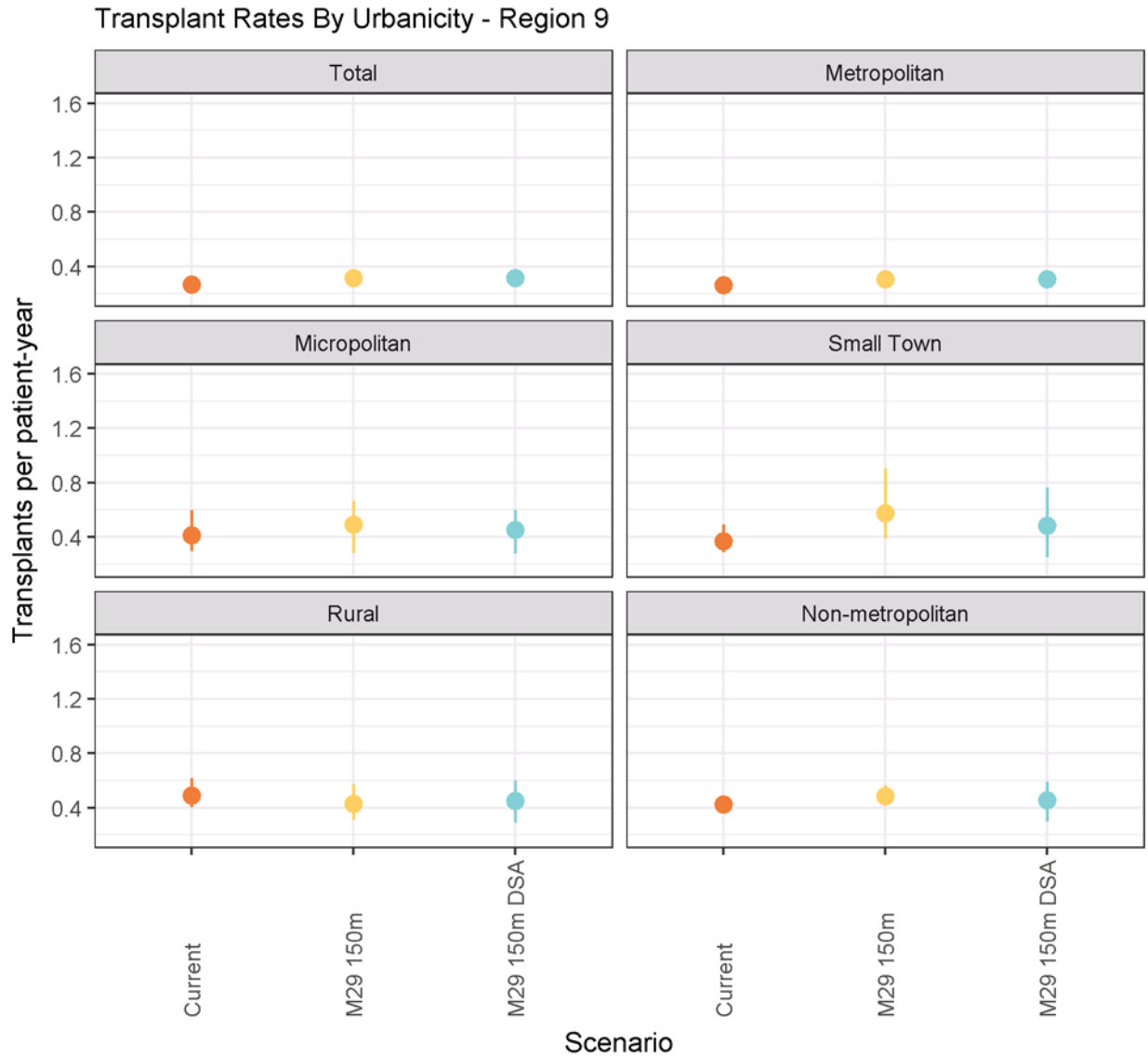


Figure 82 Transplant rates by urbanicity - region 9

Table 82 Transplant rates by urbanicity - region 9

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.268 (0.253,0.283)	0.261 (0.248,0.278)	0.414 (0.295,0.598)	0.368 (0.285,0.494)	0.489 (0.402,0.618)	0.426 (0.354,0.488)
M29 150m	0.316 (0.297,0.334)	0.309 (0.292,0.329)	0.491 (0.282,0.67)	0.578 (0.387,0.906)	0.43 (0.311,0.573)	0.485 (0.413,0.567)
M29 150m DSA	0.315 (0.294,0.325)	0.308 (0.293,0.318)	0.455 (0.277,0.597)	0.484 (0.254,0.766)	0.449 (0.289,0.6)	0.457 (0.298,0.59)

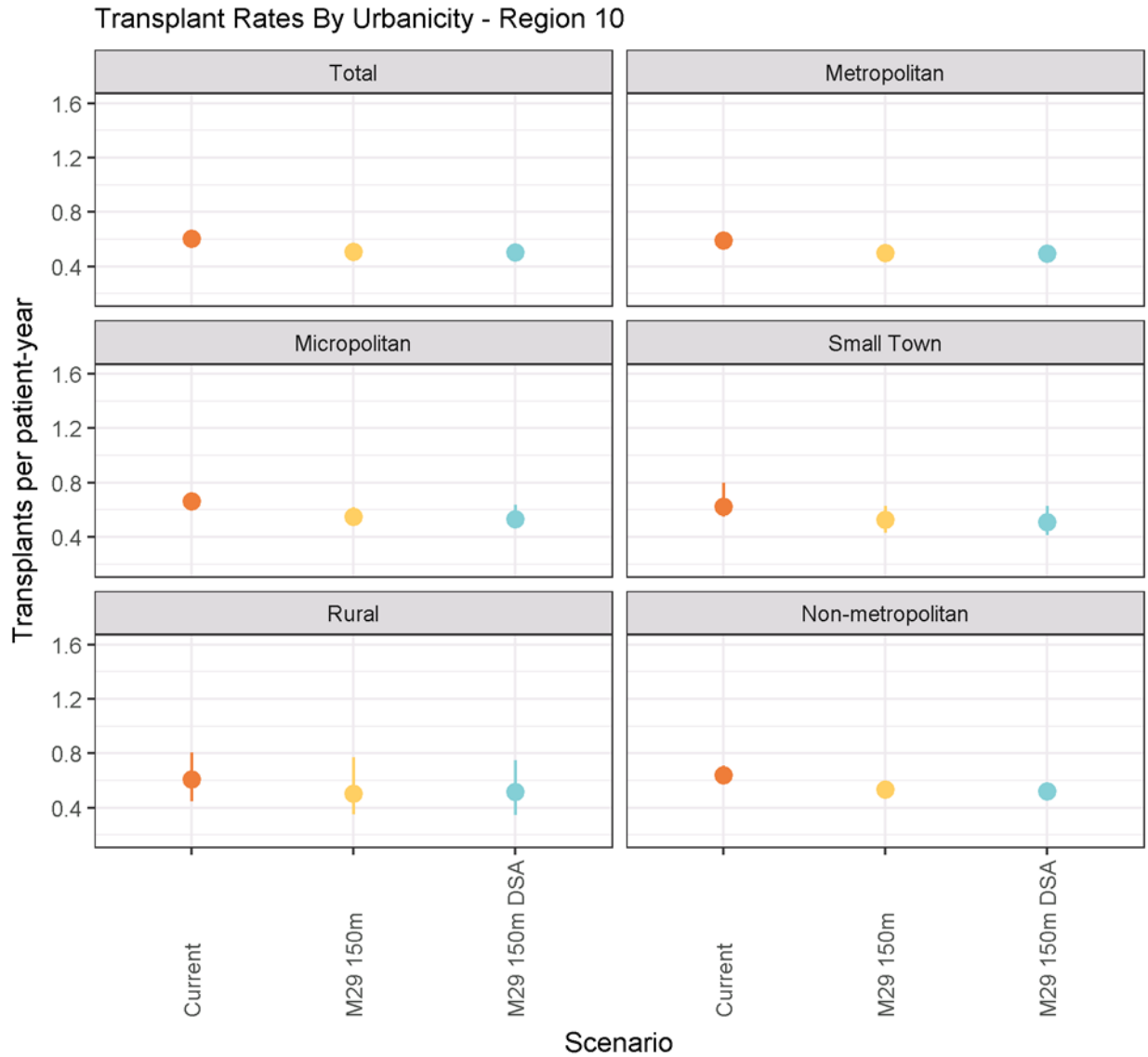


Figure 83 Transplant rates by urbanicity - region 10

Table 83 Transplant rates by urbanicity - region 10

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.604 (0.589,0.624)	0.593 (0.574,0.608)	0.662 (0.626,0.715)	0.622 (0.55,0.801)	0.607 (0.448,0.805)	0.641 (0.595,0.707)
M29 150m	0.507 (0.485,0.527)	0.499 (0.478,0.519)	0.549 (0.51,0.618)	0.527 (0.432,0.629)	0.505 (0.351,0.769)	0.535 (0.485,0.574)
M29 150m DSA	0.502 (0.485,0.521)	0.496 (0.465,0.519)	0.532 (0.497,0.639)	0.512 (0.416,0.629)	0.518 (0.346,0.75)	0.523 (0.479,0.567)

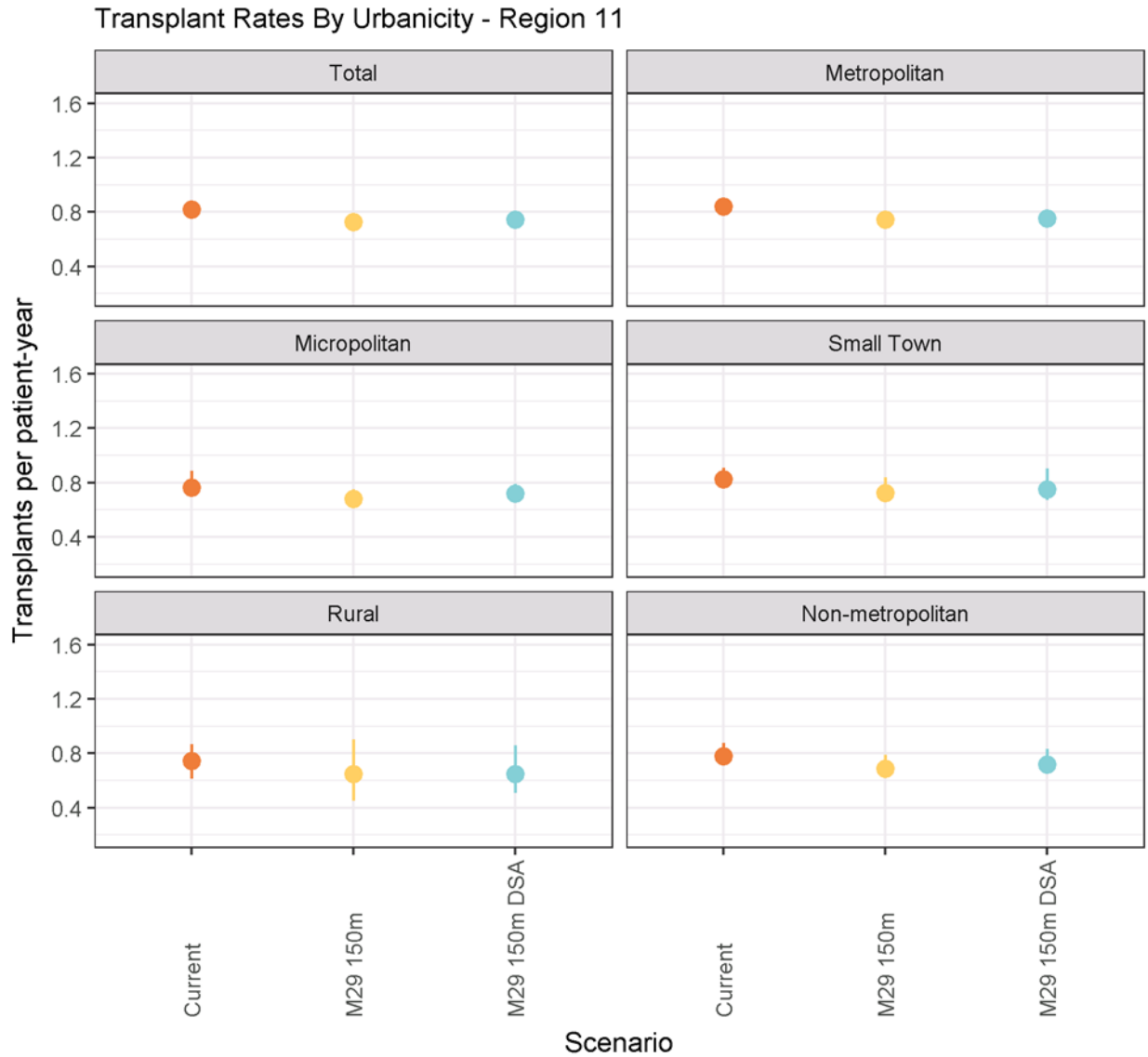


Figure 84 Transplant rates by urbanicity - region 11

Table 84 Transplant rates by urbanicity - region 11

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.821 (0.769,0.875)	0.839 (0.79,0.885)	0.764 (0.701,0.887)	0.825 (0.756,0.907)	0.744 (0.612,0.869)	0.778 (0.717,0.877)
M29 150m	0.727 (0.694,0.771)	0.746 (0.702,0.794)	0.683 (0.619,0.75)	0.725 (0.653,0.838)	0.649 (0.451,0.904)	0.689 (0.646,0.787)
M29 150m DSA	0.744 (0.701,0.807)	0.755 (0.716,0.794)	0.719 (0.667,0.792)	0.749 (0.67,0.905)	0.647 (0.506,0.86)	0.716 (0.662,0.833)

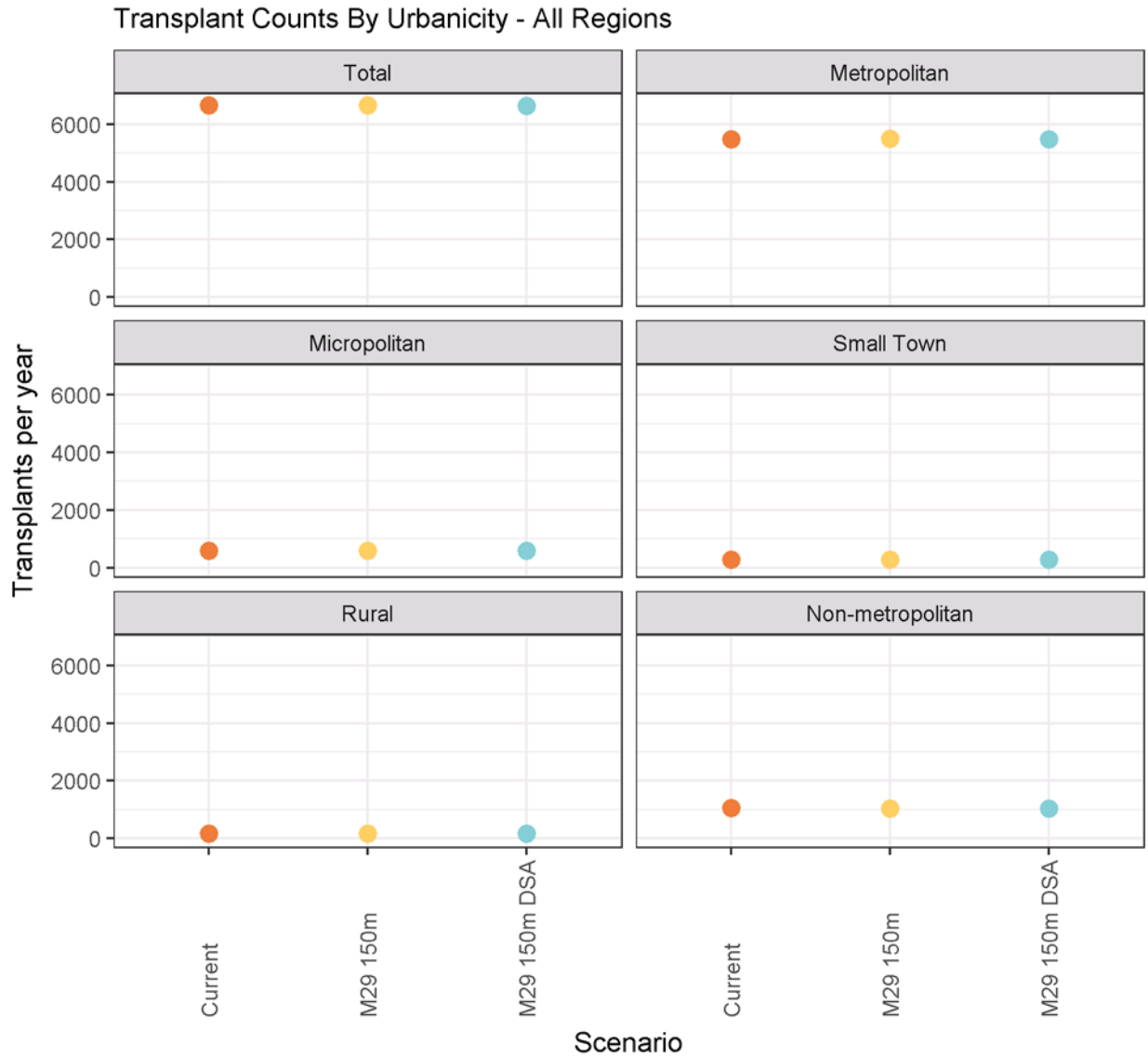


Figure 85 Transplant counts by urbanicity - all regions

Table 85 Transplant counts by urbanicity - all regions

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	6651.1 (6575.3,6727.3)	5483.8 (5438.7,5554.3)	598.9 (582.3,632)	274.8 (259,287.3)	171.5 (163.7,185.7)	1045.2 (1006.7,1088.7)
M29 150m	6650.8 (6585.7,6728.3)	5500.2 (5454.7,5562.3)	586.9 (570.7,613.3)	272.8 (252.3,288)	168.1 (153.7,181)	1027.8 (994.7,1080)
M29 150m DSA	6643.7 (6563.3,6724)	5489.2 (5423.7,5556.7)	591.2 (572,616.3)	271.9 (259,289)	167.8 (158.3,174.3)	1030.9 (1002.7,1073)

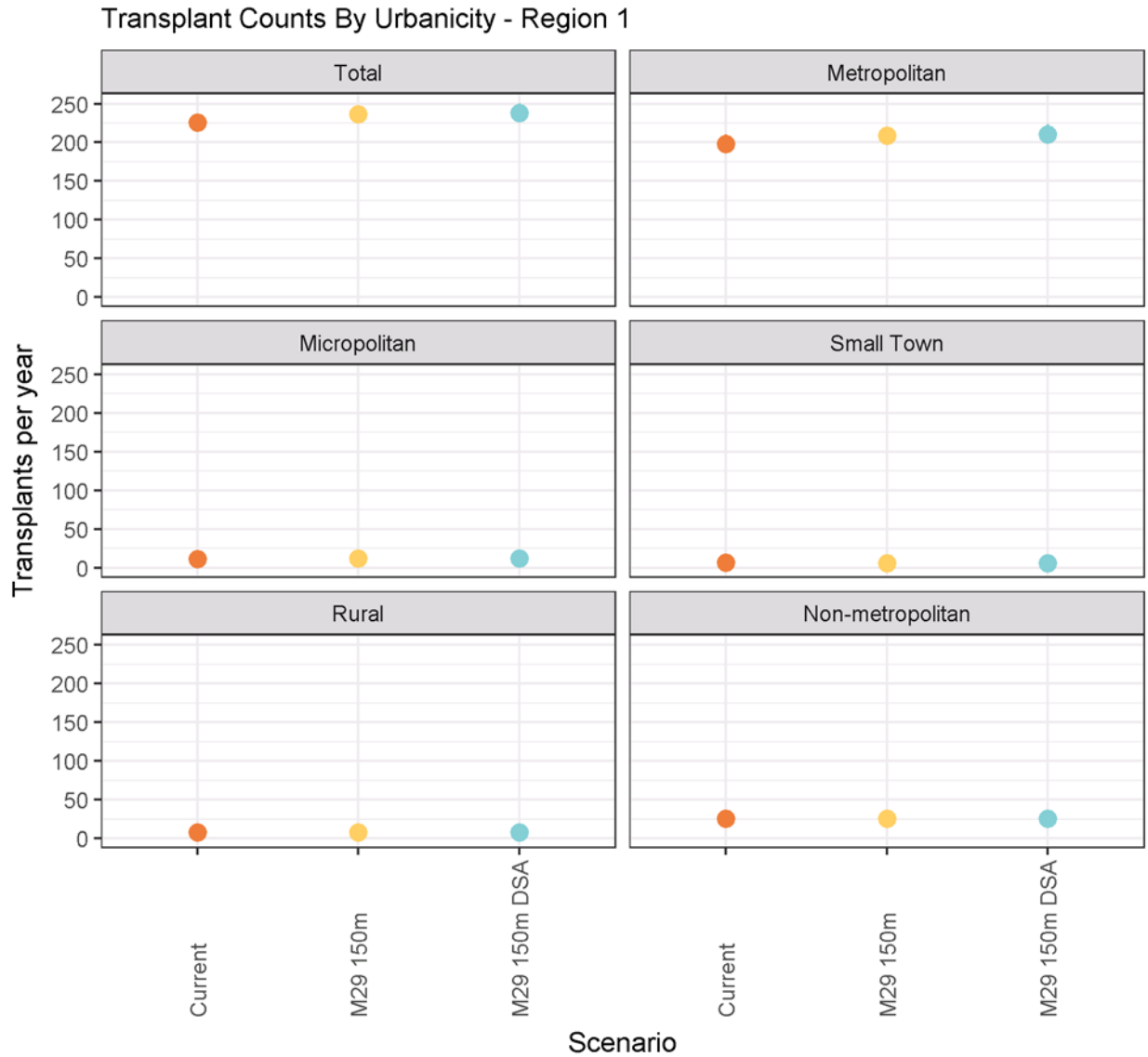


Figure 86 Transplant counts by urbanicity - region 1

Table 86 Transplant counts by urbanicity - region 1

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	225.6 (218.3,235.7)	198.1 (189.7,210.7)	11.3 (7,14.7)	6.4 (4.7,8)	8 (5.7,9.7)	25.7 (22,28.7)
M29 150m	236.6 (228.7,245.3)	208.7 (201,219.3)	11.7 (7.7,14.7)	6.2 (5,7)	7.8 (5.3,11)	25.7 (20,29.7)
M29 150m DSA	238.2 (232.7,250.7)	210.3 (205.3,223.3)	11.7 (7.7,14.7)	6.1 (4.7,7.3)	7.9 (5.3,10)	25.7 (20.7,30)

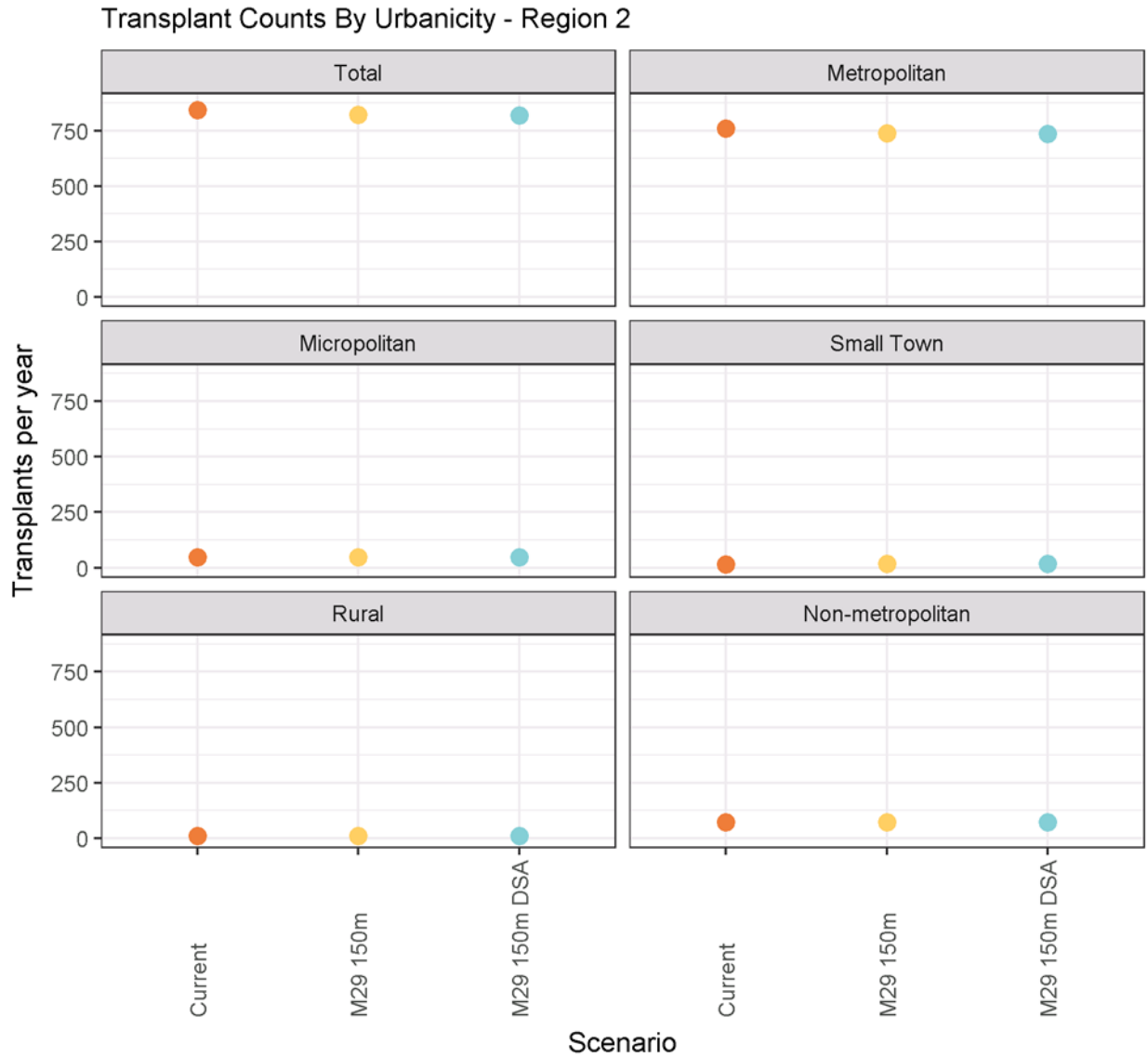


Figure 87 Transplant counts by urbanicity - region 2

Table 87 Transplant counts by urbanicity - region 2

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	842.3 (813.3,873)	759.5 (738.3,783.3)	48.2 (39.3,57.3)	15.4 (13,19)	10 (8.3,12.7)	73.6 (62.7,79.7)
M29 150m	821.2 (805.7,839.7)	738.6 (724,755.7)	47.1 (36.7,54.3)	16.3 (14,18.3)	9.7 (5.7,12)	73.1 (64.7,81.7)
M29 150m DSA	819.7 (794,840.7)	736.6 (713.7,753.3)	47.3 (37.3,53.3)	16.6 (12.3,18.7)	9.8 (8,12.3)	73.8 (64,79)

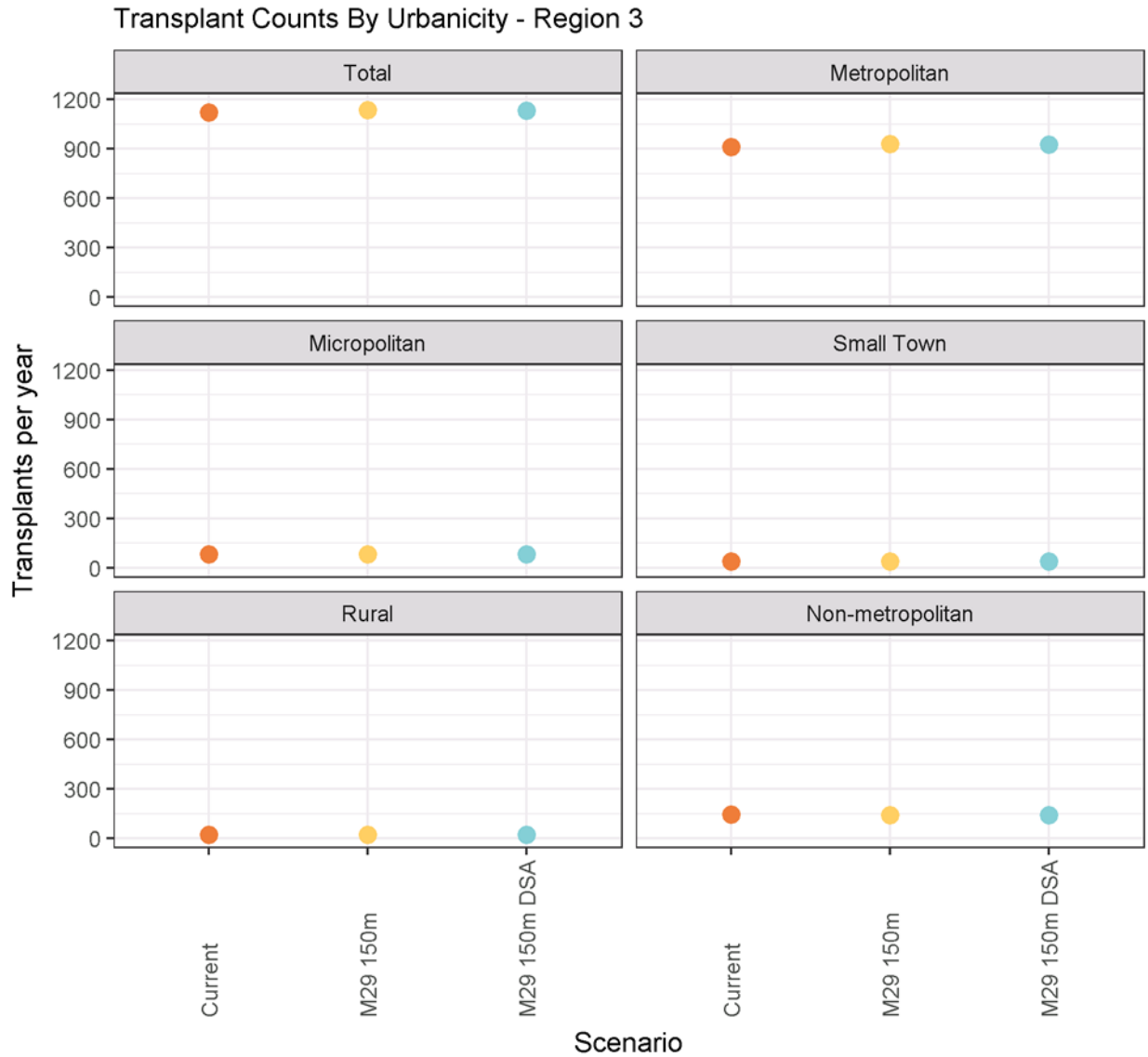


Figure 88 Transplant counts by urbanicity - region 3

Table 88 Transplant counts by urbanicity - region 3

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	1121 (1092.3,1156.7)	913.2 (891,937)	83.1 (75.3,89)	39 (33.7,46)	21.8 (18,28)	143.9 (133.7,154.7)
M29 150m	1136.2 (1111.3,1171.7)	930.2 (899,959)	81.6 (74.3,89.7)	39.1 (34.7,45.3)	21.7 (16.7,27.7)	142.5 (131,153.7)
M29 150m DSA	1132.6 (1098,1177.3)	925.9 (896,963.7)	82.1 (73.7,89.7)	39.2 (36,44.7)	20.8 (15.7,25)	142.1 (131.7,151)

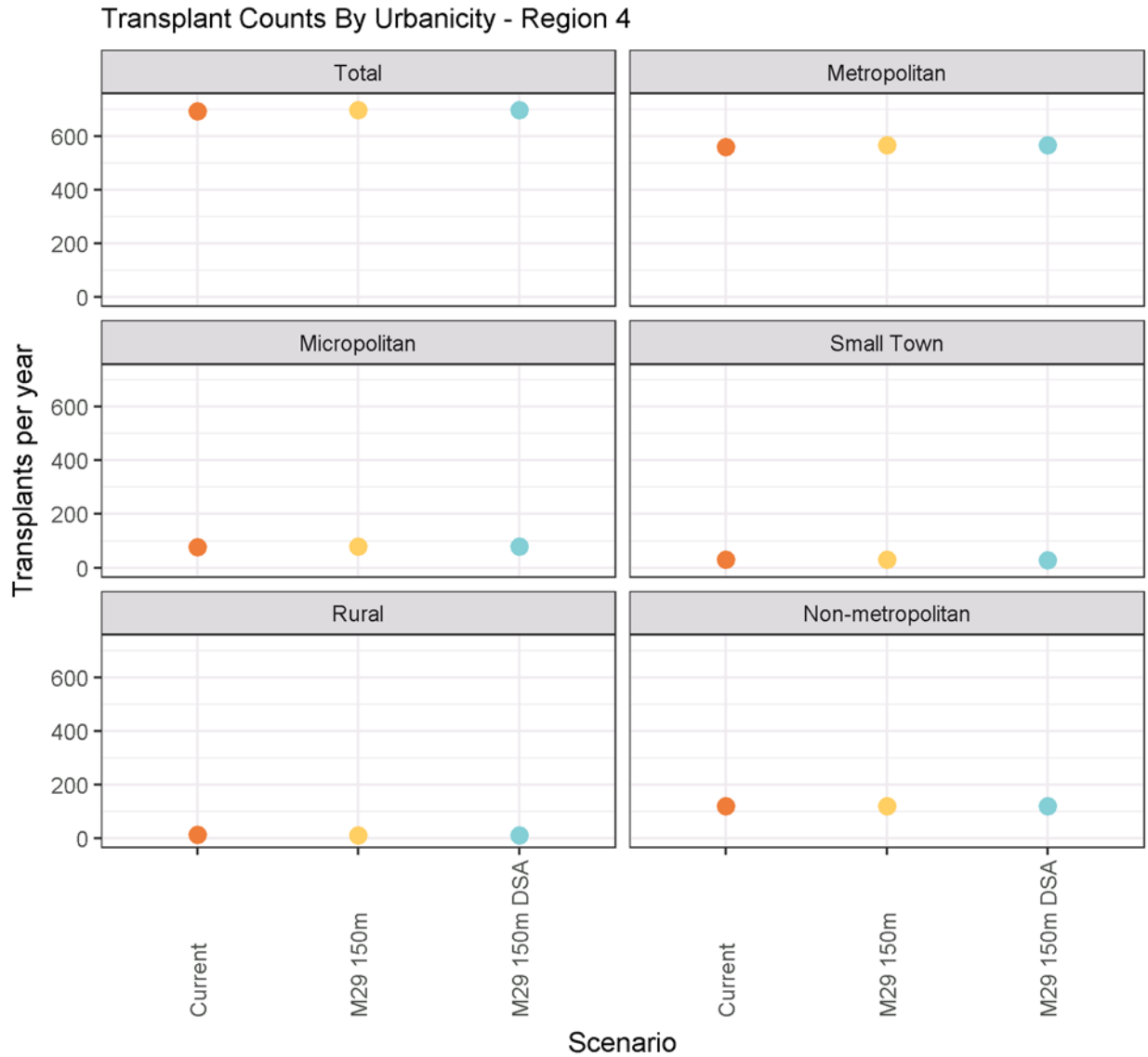


Figure 89 Transplant counts by urbanicity - region 4

Table 89 Transplant counts by urbanicity - region 4

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	691.8 (667.3,710)	559.9 (538.7,580.7)	77.7 (69,91.3)	30.1 (27,32.7)	13 (9.3,16)	120.8 (113.3,135.7)
M29 150m	698.2 (680.3,722.3)	566.3 (551.3,592)	78.6 (70.3,97)	29.4 (27.3,33.3)	12.2 (9,15)	120.3 (110.3,140)
M29 150m DSA	698 (676,715.7)	566.7 (553.3,585)	79.3 (71,97)	28.9 (26.3,31.7)	11.9 (8,14.7)	120 (107.7,137.3)



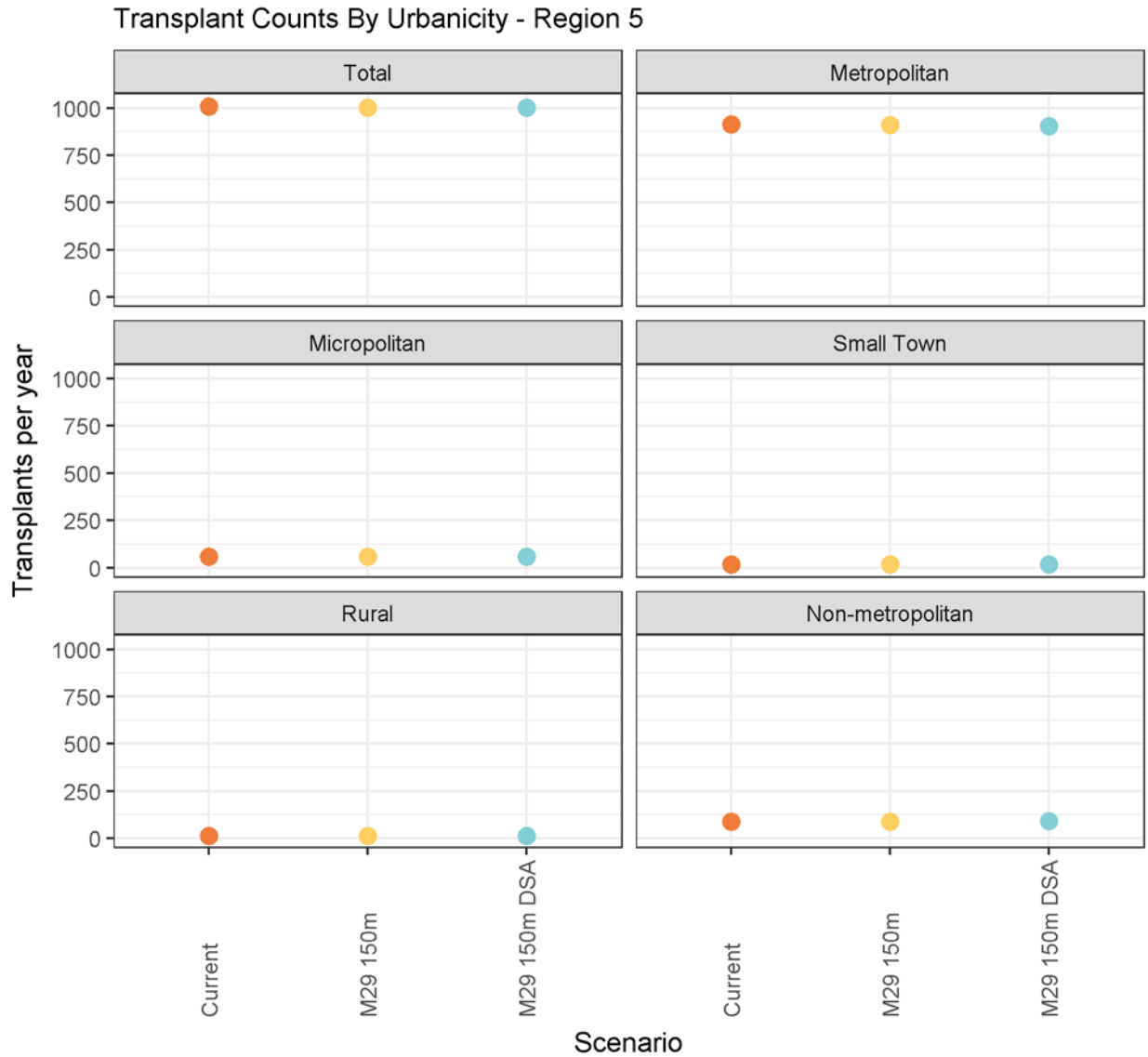


Figure 90 Transplant counts by urbanicity - region 5

Table 90 Transplant counts by urbanicity - region 5

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	1008.5 (982.7,1022.7)	913 (892,925.7)	59.2 (53,63.3)	16.6 (13.7,21.3)	13.4 (11.7,17.3)	89.2 (83.7,94.7)
M29 150m	1003.4 (984.7,1025)	909.4 (899,925)	58 (51,63.3)	16.9 (15,22)	12.8 (10.7,16.7)	87.8 (78.3,96)
M29 150m DSA	1001.1 (979,1018)	905 (884.7,921)	59.8 (51.7,66)	17.3 (14,21.3)	13.2 (11.3,18)	90.3 (81.7,96)

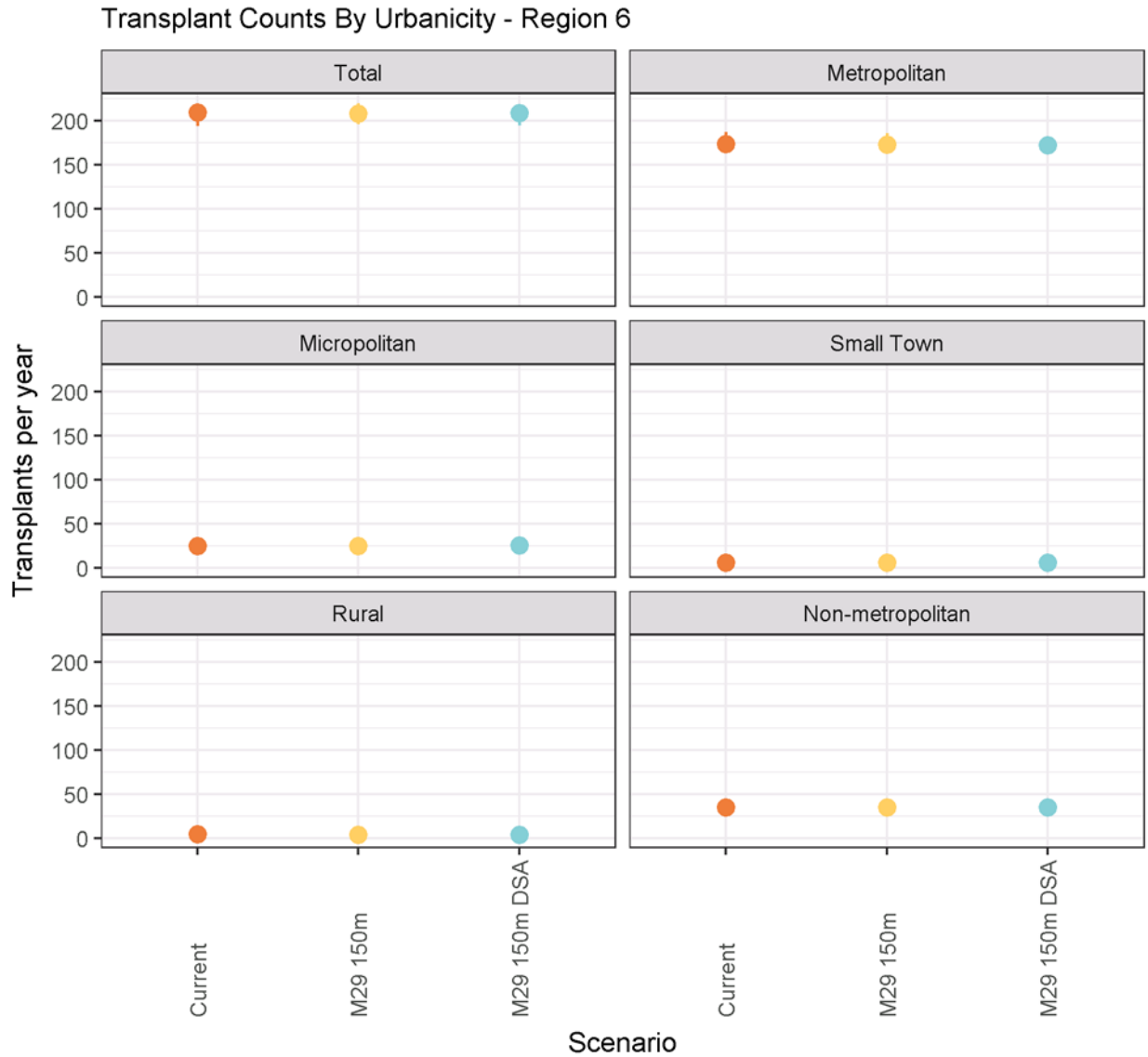


Figure 91 Transplant counts by urbanicity - region 6

Table 91 Transplant counts by urbanicity - region 6

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	209.9 (194,219)	174.1 (164,187.3)	25 (22,29)	5.5 (3.3,8)	4.5 (2.7,7.7)	35 (29.7,40.3)
M29 150m	208.5 (196.3,220)	172.8 (165.3,186)	24.8 (20.7,29)	5.8 (4,8.3)	4.3 (2,6.7)	34.9 (28.7,42.3)
M29 150m DSA	208.8 (195,216.3)	172.5 (164.3,182.7)	25.4 (21.3,30.7)	5.7 (4,8.3)	4.3 (2,6.3)	35.4 (30.3,41.7)

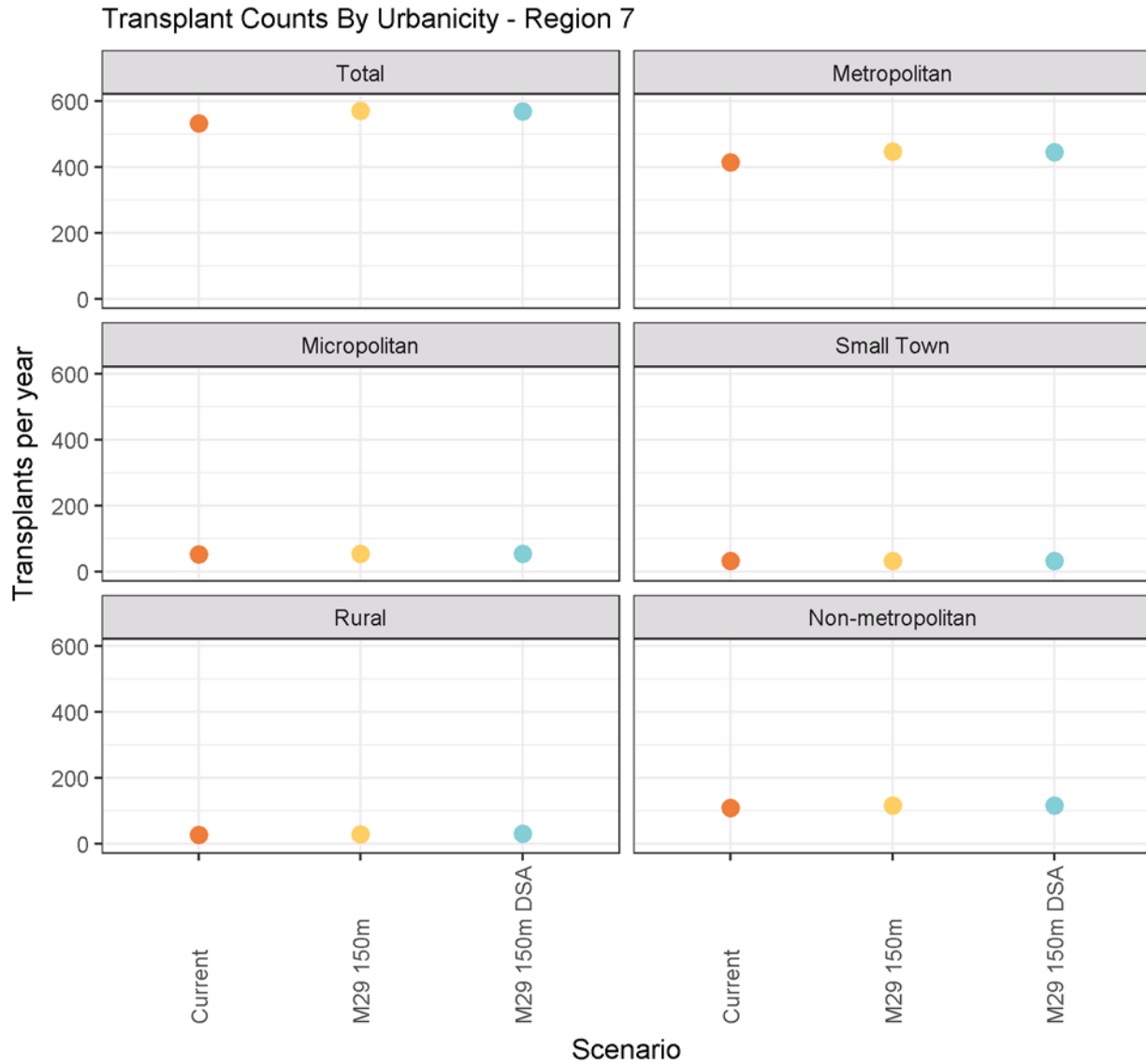


Figure 92 Transplant counts by urbanicity - region 7

Table 92 Transplant counts by urbanicity - region 7

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	532.1 (511.3,550)	415.1 (400.7,426.7)	51.2 (42.7,56)	31.4 (23.3,36.7)	27.2 (22.3,32.3)	109.8 (88.3,120)
M29 150m	570.9 (552.3,591.7)	447.4 (432.3,462)	53.3 (47,59)	32.4 (24,35.7)	29.9 (24,34.7)	115.6 (96.3,126.7)
M29 150m DSA	569.1 (552,587.3)	445 (428.7,458.7)	54.4 (48.7,61.3)	32 (27,39)	30.1 (24.7,34.3)	116.4 (101.7,124.7)

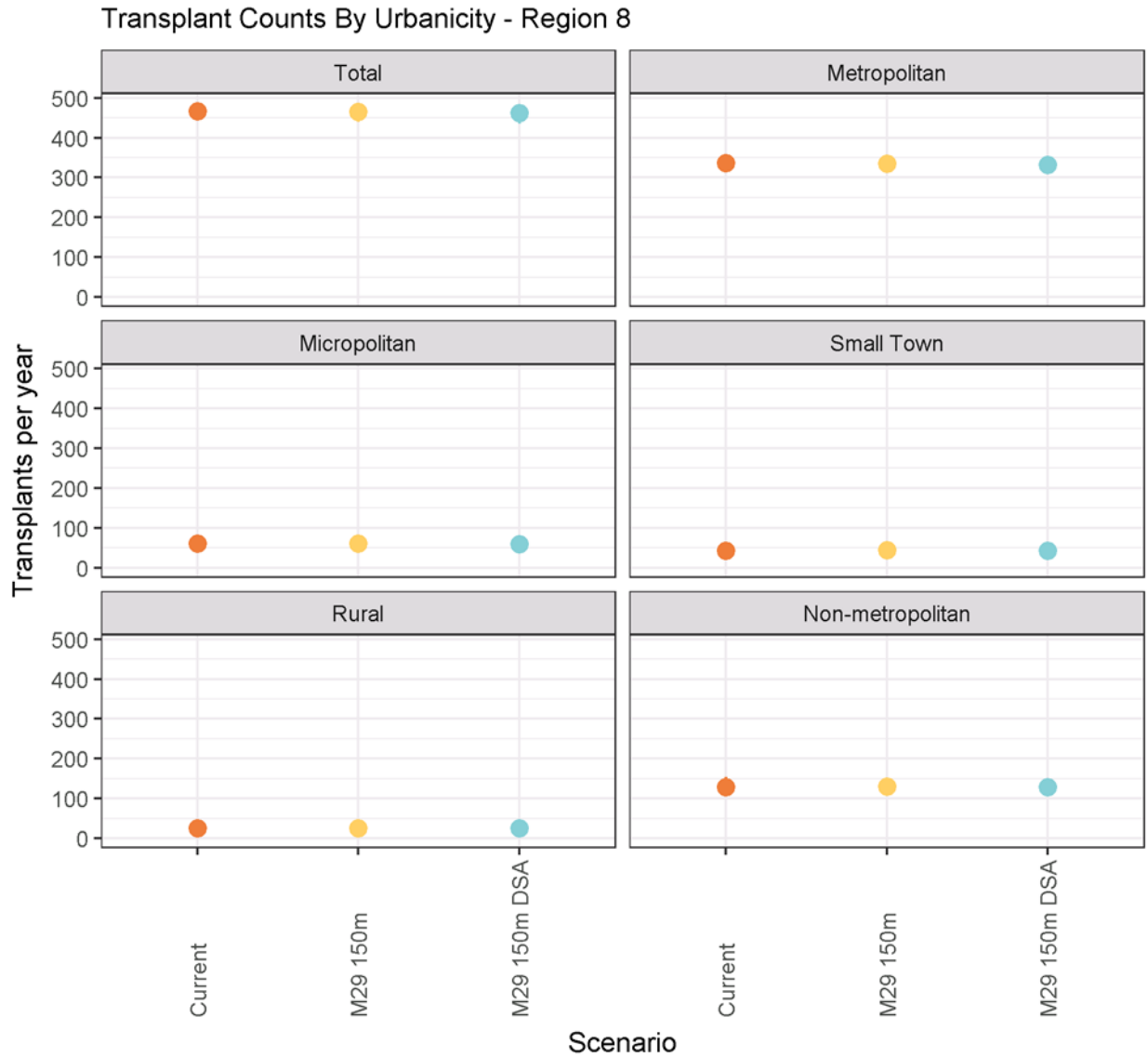


Figure 93 Transplant counts by urbanicity - region 8

Table 93 Transplant counts by urbanicity - region 8

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	466.4 (442.3,486.7)	336.5 (319.7,353.3)	60 (52.7,71.3)	42.7 (35.7,51)	26.1 (23,31.3)	128.8 (119.3,153.7)
M29 150m	465.9 (439.7,482.7)	334.4 (318.7,347.7)	60.3 (48.3,71)	44 (36.3,48.3)	25.9 (23,31.7)	130.1 (119.7,149.7)
M29 150m DSA	461.5 (435.7,479.7)	332.1 (311.7,352.3)	58.9 (50.7,68.3)	43.4 (32.3,49.3)	25.6 (22.7,31)	127.9 (114,144)

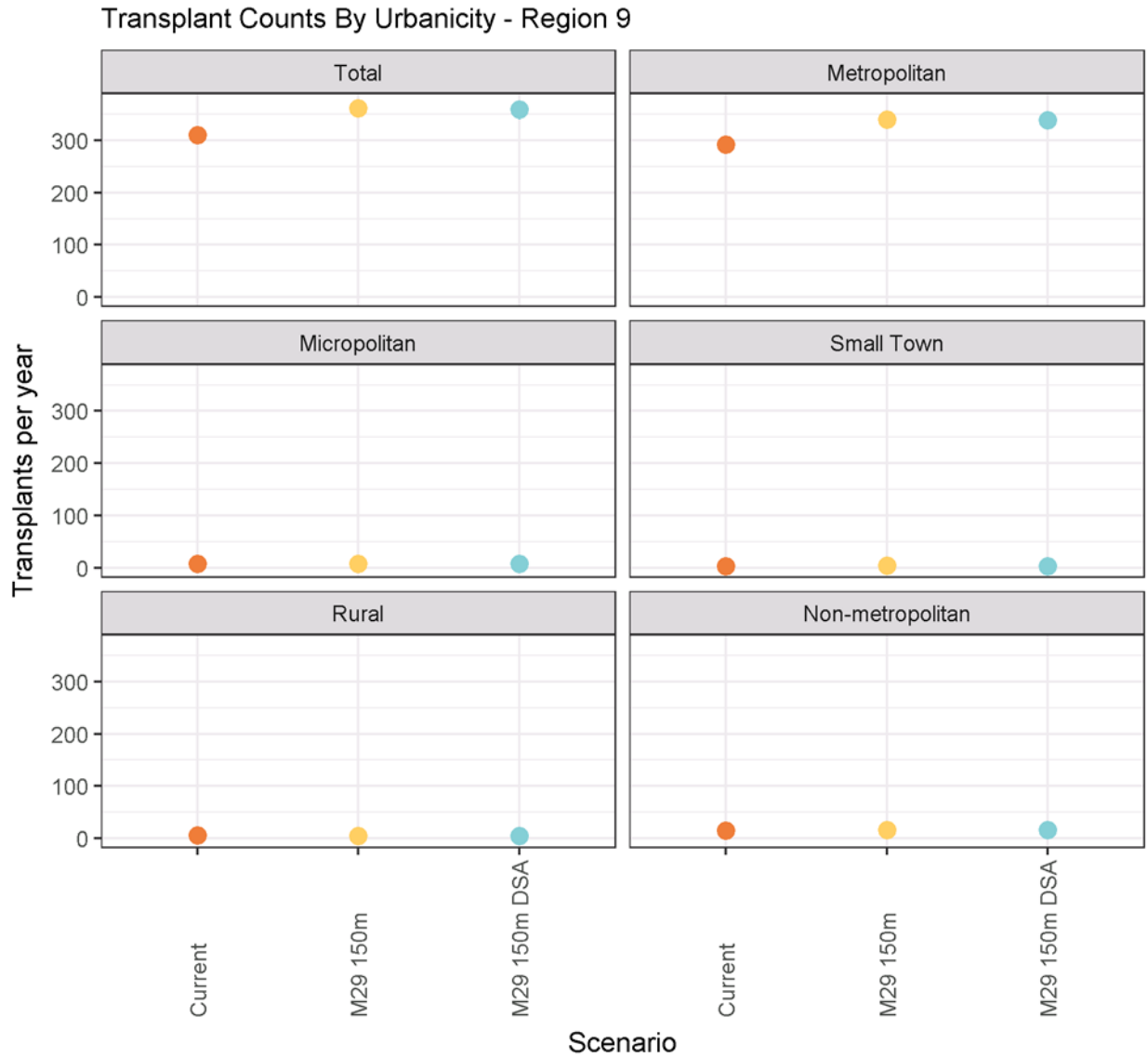


Figure 94 Transplant counts by urbanicity - region 9

Table 94 Transplant counts by urbanicity - region 9

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	310.5 (295,322.3)	291.5 (278.7,304.3)	7 (5,8.7)	2.7 (1.7,4)	5.2 (4,6.7)	14.9 (13.3,18)
M29 150m	361.1 (348.7,371)	339.7 (328.7,350.7)	8 (4.7,11)	3.6 (2.3,5.3)	4.8 (3,6.3)	16.5 (13.7,19.7)
M29 150m DSA	359.5 (339.7,367.7)	339 (324.7,347.3)	7.5 (5,9.3)	3.2 (1.7,5)	4.9 (3.3,6.3)	15.6 (12.3,19)

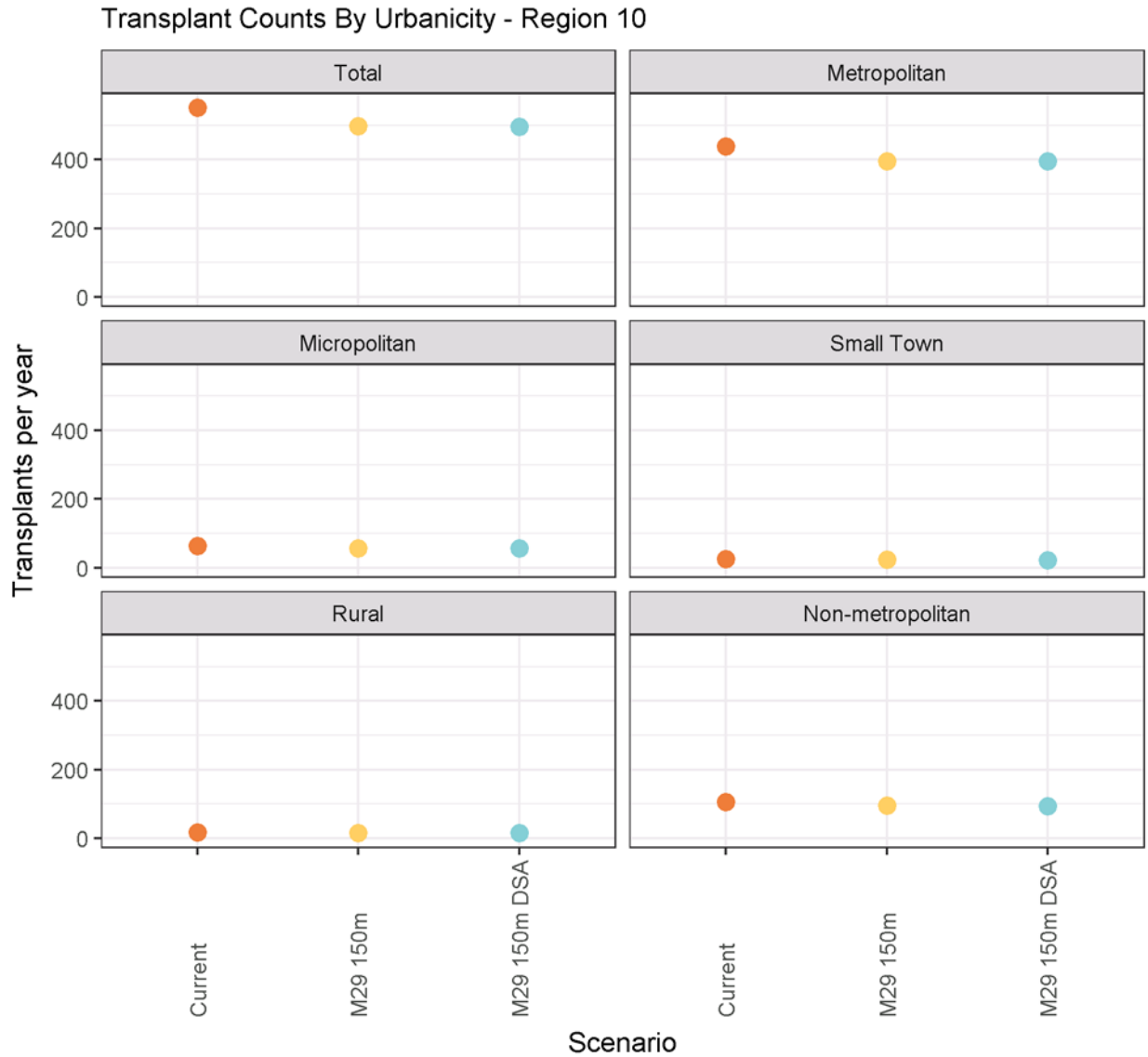


Figure 95 Transplant counts by urbanicity - region 10

Table 95 Transplant counts by urbanicity - region 10

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	552.1 (540,564.3)	439.2 (422.3,448)	63.9 (58,68)	24.4 (20,28)	16.8 (13,20)	105.1 (100.3,110.7)
M29 150m	497.6 (481.7,507.7)	395.6 (380,406.7)	57.3 (49.3,63.3)	22.7 (19.3,25.7)	15 (10.7,20.3)	94.9 (86,103)
M29 150m DSA	496.3 (477.7,509.3)	395.7 (373,408.3)	55.8 (49.3,61.3)	22.3 (17,24.7)	15.4 (11.3,19.7)	93.5 (84,100.3)

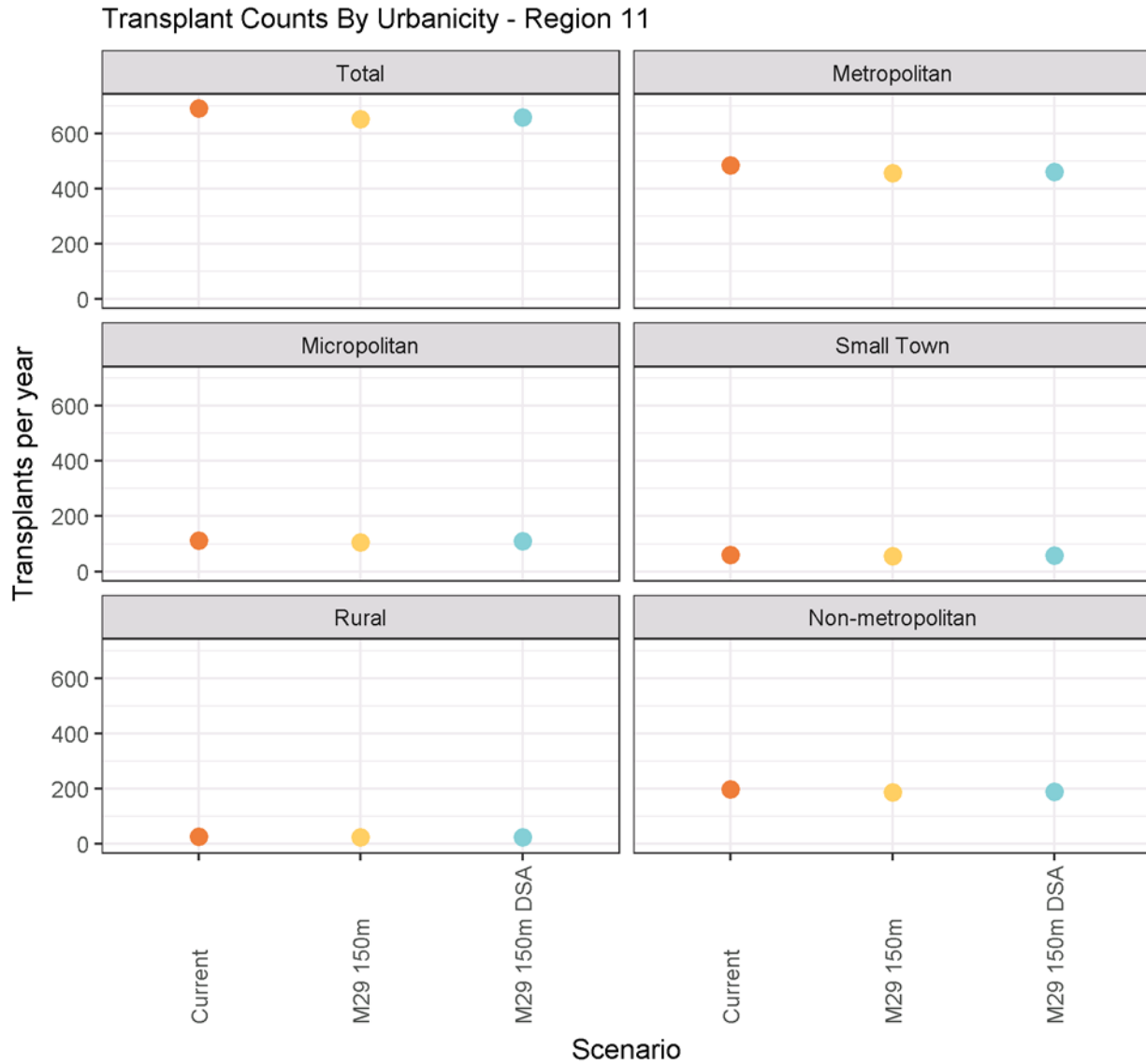


Figure 96 Transplant counts by urbanicity - region 11

Table 96 Transplant counts by urbanicity - region 11

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	690.9 (671.7,707)	483.8 (469.3,502.3)	112.2 (103.7,121.7)	60.5 (56.7,64.3)	25.5 (21,28)	198.3 (188.7,209.7)
M29 150m	651.2 (632.3,669.3)	457 (443,484.7)	106.1 (96.7,115.3)	56.5 (49.3,62.3)	23.8 (19,29)	186.4 (176.3,202)
M29 150m DSA	659 (640.3,686.3)	460.5 (438.3,482.7)	109.2 (99,115.3)	57.1 (50,65.3)	23.8 (19.7,27)	190 (178.7,203.3)

**Waitlist mortality**

Waitlist Mortality Rates By Urbanicity - All Regions

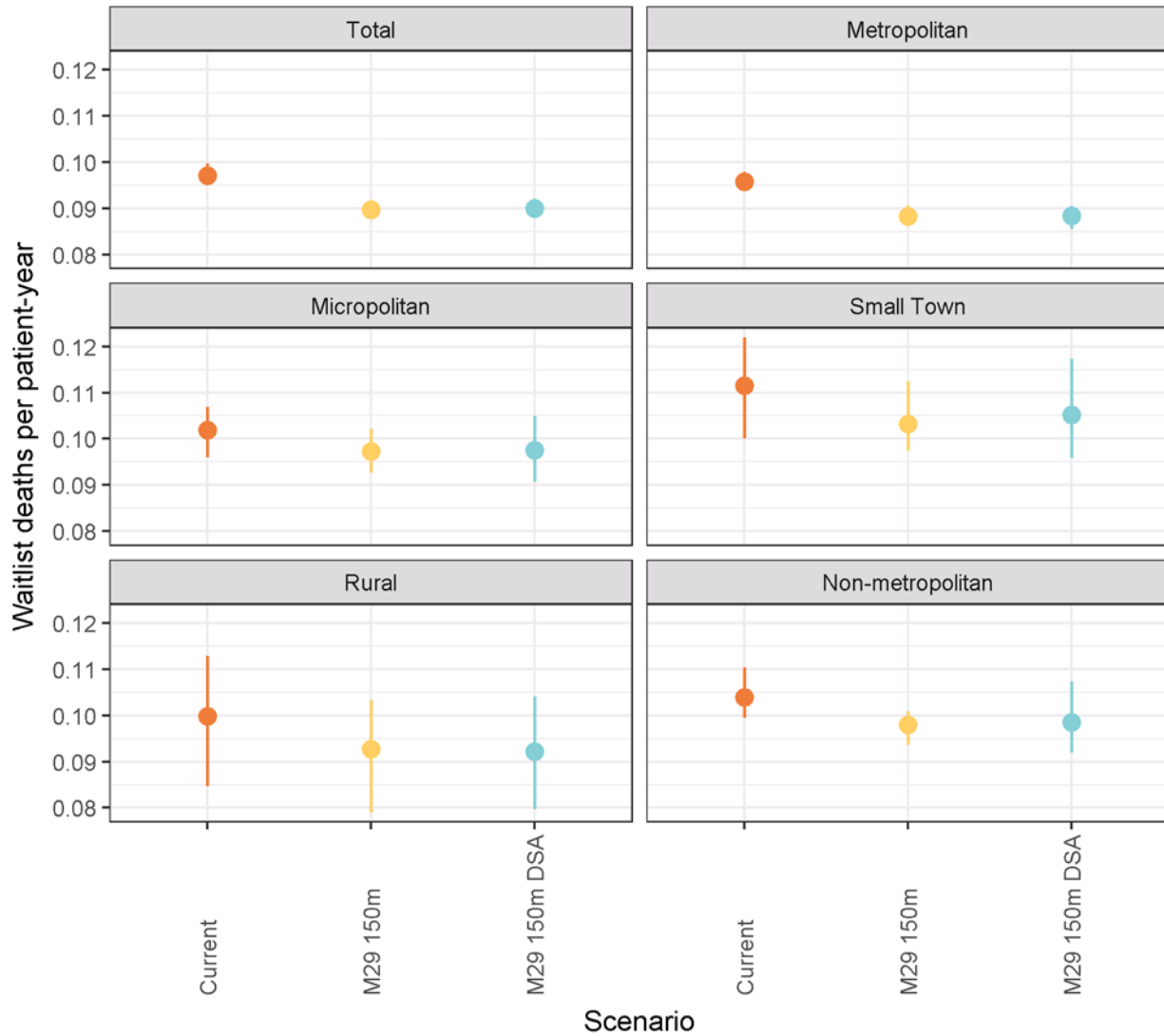


Figure 97 Waitlist mortality rates by urbanicity - all regions

Table 97 Waitlist mortality rates by urbanicity - all regions

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.097 (0.095,0.1)	0.096 (0.094,0.098)	0.102 (0.096,0.107)	0.111 (0.1,0.122)	0.1 (0.085,0.113)	0.104 (0.099,0.11)
M29 150m	0.09 (0.088,0.092)	0.088 (0.087,0.091)	0.097 (0.093,0.102)	0.103 (0.097,0.112)	0.093 (0.079,0.103)	0.098 (0.094,0.101)
M29 150m DSA	0.09 (0.089,0.092)	0.088 (0.085,0.09)	0.098 (0.091,0.105)	0.105 (0.096,0.117)	0.092 (0.08,0.104)	0.099 (0.092,0.107)



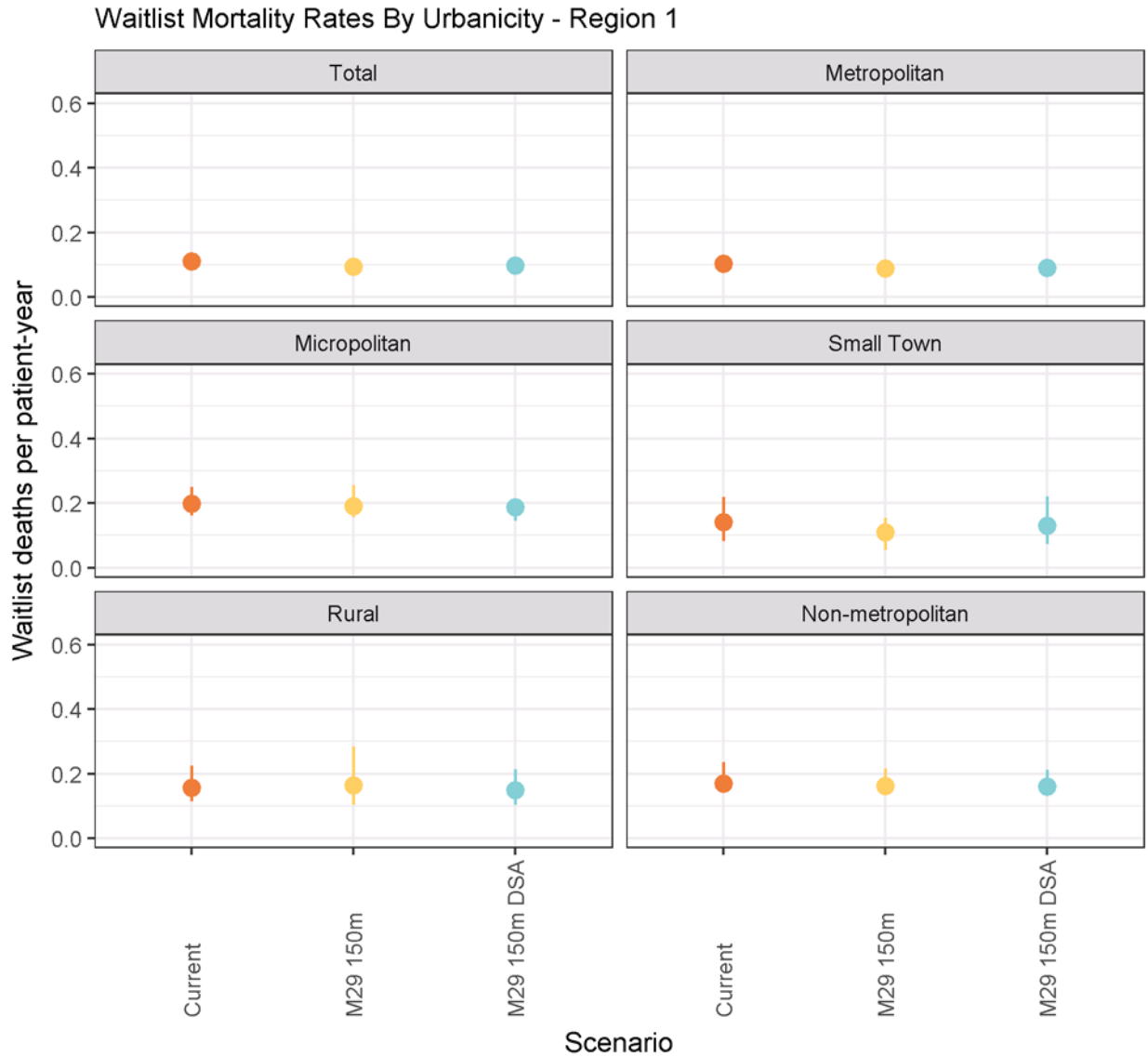


Figure 98 Waitlist mortality rates by urbanicity - region 1

Table 98 Waitlist mortality rates by urbanicity - region 1

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.11 (0.105,0.116)	0.104 (0.096,0.107)	0.198 (0.161,0.251)	0.141 (0.082,0.219)	0.156 (0.115,0.224)	0.17 (0.14,0.236)
M29 150m	0.095 (0.089,0.102)	0.088 (0.082,0.095)	0.19 (0.156,0.255)	0.109 (0.055,0.154)	0.164 (0.104,0.285)	0.162 (0.134,0.216)
M29 150m DSA	0.098 (0.089,0.104)	0.091 (0.082,0.1)	0.187 (0.145,0.209)	0.13 (0.073,0.221)	0.15 (0.102,0.214)	0.161 (0.133,0.213)

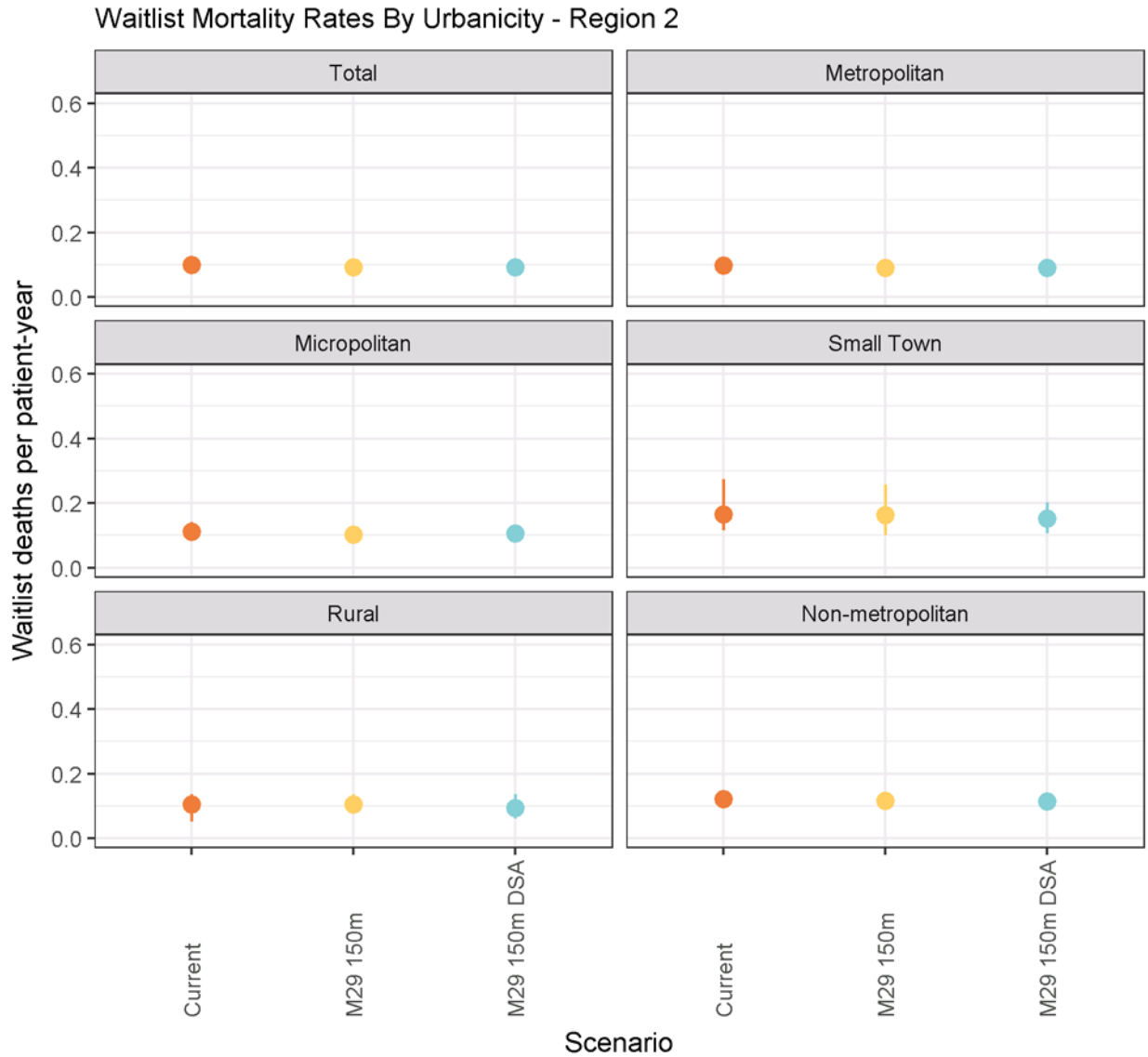


Figure 99 Waitlist mortality rates by urbanicity - region 2

Table 99 Waitlist mortality rates by urbanicity - region 2

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.099 (0.092,0.105)	0.097 (0.089,0.105)	0.111 (0.097,0.14)	0.165 (0.115,0.275)	0.105 (0.052,0.137)	0.121 (0.104,0.136)
M29 150m	0.092 (0.085,0.094)	0.09 (0.084,0.094)	0.103 (0.089,0.119)	0.162 (0.101,0.257)	0.104 (0.077,0.137)	0.116 (0.095,0.133)
M29 150m DSA	0.092 (0.084,0.096)	0.09 (0.081,0.095)	0.107 (0.091,0.122)	0.153 (0.106,0.202)	0.094 (0.061,0.136)	0.114 (0.096,0.131)

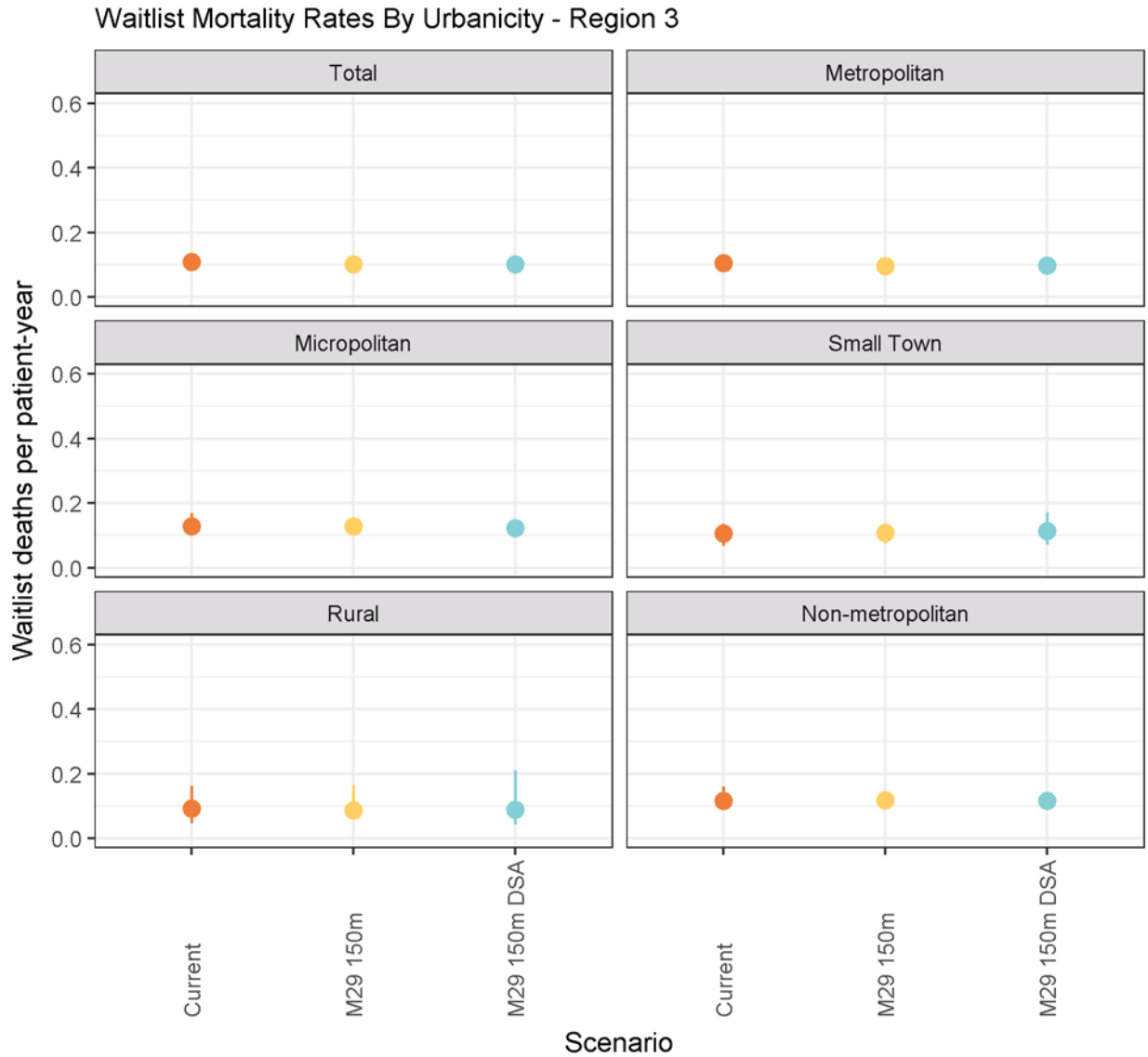


Figure 100 Waitlist mortality rates by urbanicity - region 3

Table 100 Waitlist mortality rates by urbanicity - region 3

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.109 (0.104,0.115)	0.105 (0.102,0.112)	0.128 (0.109,0.169)	0.106 (0.068,0.136)	0.092 (0.047,0.162)	0.117 (0.097,0.161)
M29 150m	0.101 (0.093,0.109)	0.096 (0.085,0.102)	0.128 (0.105,0.151)	0.108 (0.075,0.137)	0.087 (0.06,0.163)	0.117 (0.097,0.142)
M29 150m DSA	0.102 (0.09,0.107)	0.097 (0.086,0.104)	0.123 (0.102,0.15)	0.114 (0.071,0.171)	0.088 (0.042,0.209)	0.115 (0.096,0.137)

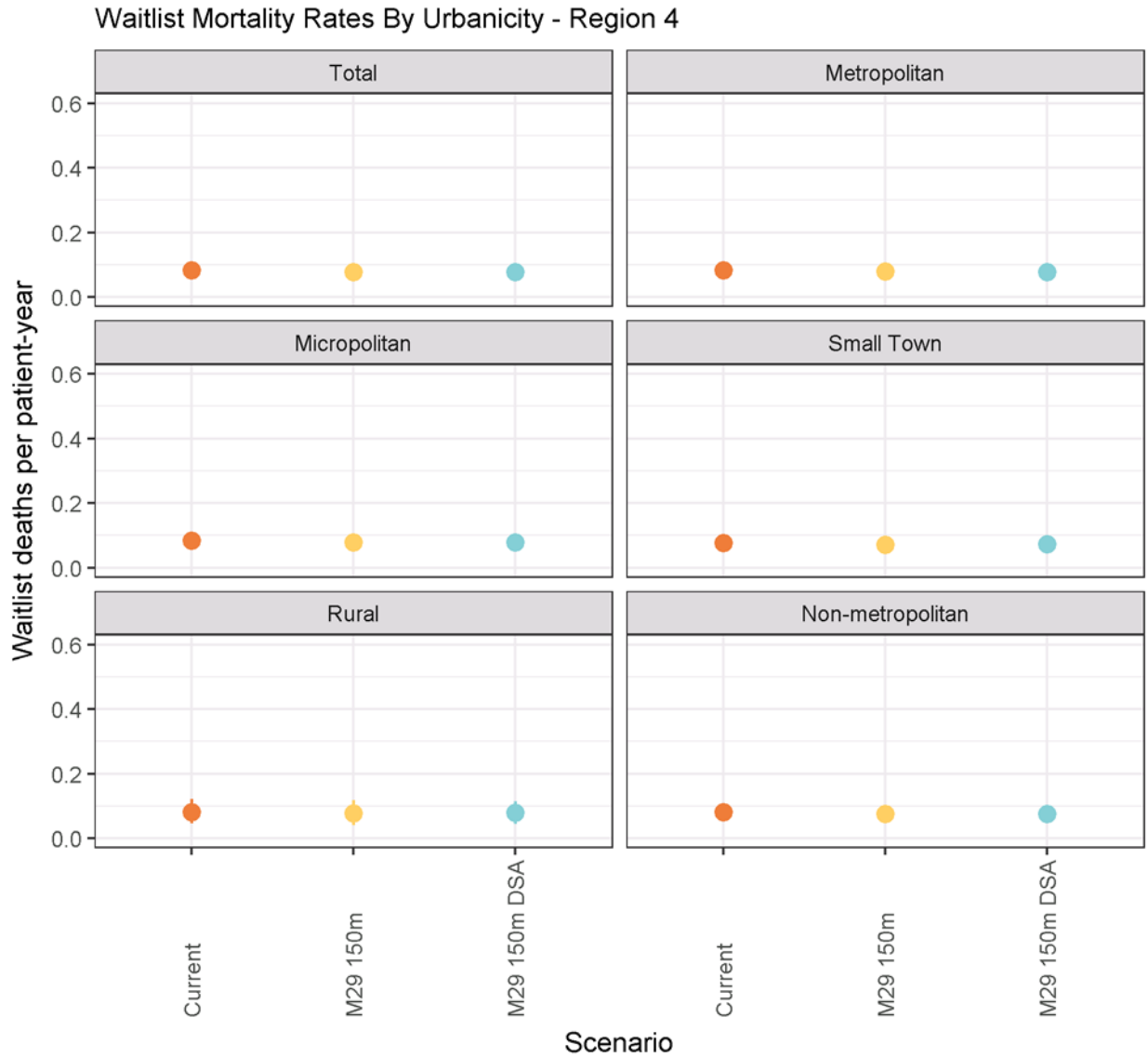


Figure 101 Waitlist mortality rates by urbanicity - region 4

Table 101 Waitlist mortality rates by urbanicity - region 4

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.083 (0.079,0.087)	0.083 (0.078,0.087)	0.084 (0.075,0.093)	0.076 (0.054,0.093)	0.081 (0.046,0.121)	0.081 (0.072,0.092)
M29 150m	0.078 (0.074,0.082)	0.079 (0.076,0.081)	0.078 (0.069,0.09)	0.07 (0.063,0.083)	0.078 (0.041,0.118)	0.076 (0.065,0.086)
M29 150m DSA	0.078 (0.075,0.083)	0.079 (0.073,0.082)	0.078 (0.066,0.096)	0.073 (0.059,0.086)	0.079 (0.045,0.114)	0.076 (0.065,0.089)

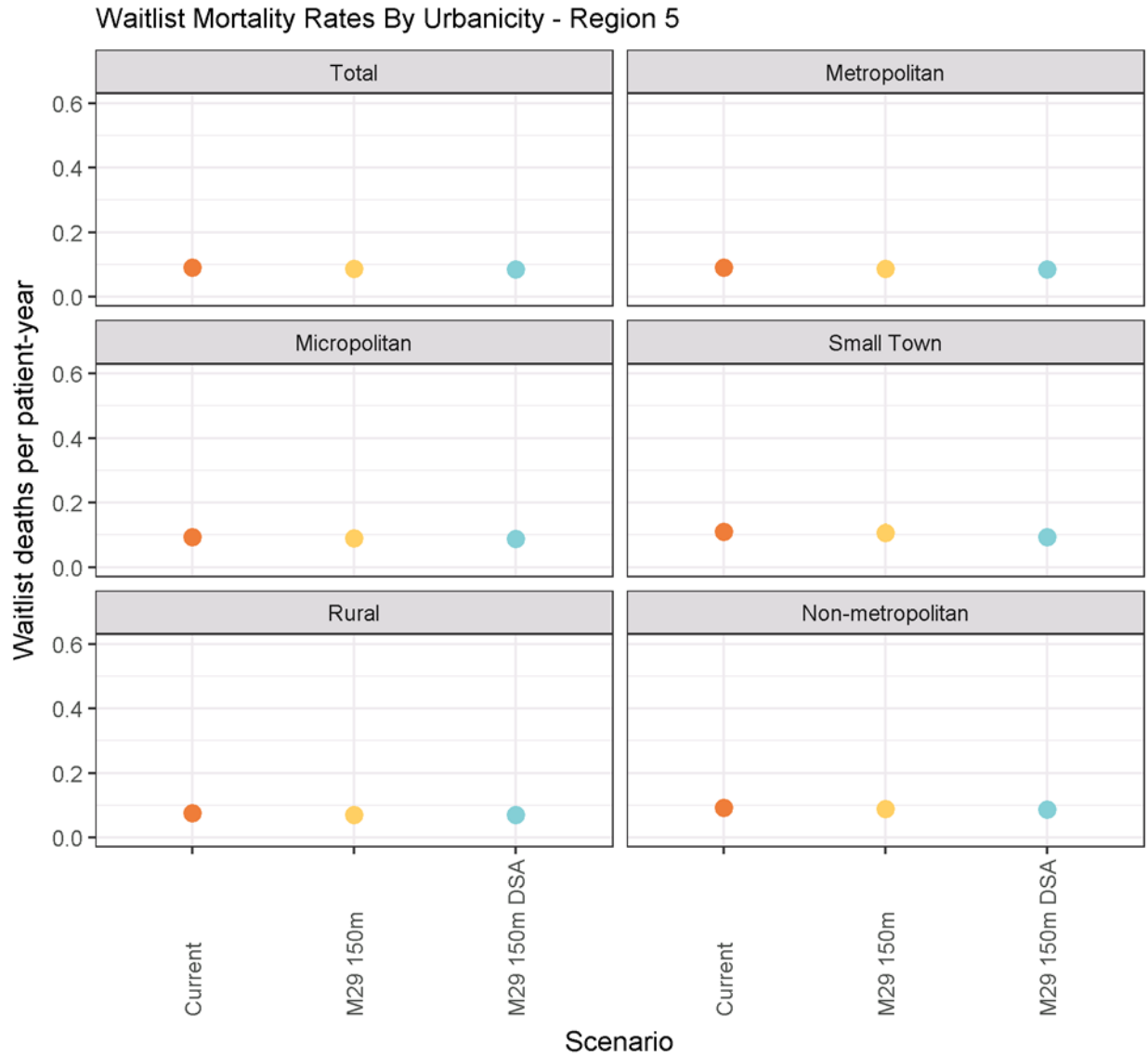


Figure 102 Waitlist mortality rates by urbanicity - region 5

Table 102 Waitlist mortality rates by urbanicity - region 5

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.091 (0.09,0.093)	0.091 (0.09,0.093)	0.093 (0.079,0.111)	0.11 (0.082,0.128)	0.076 (0.059,0.103)	0.093 (0.086,0.101)
M29 150m	0.086 (0.082,0.088)	0.086 (0.082,0.089)	0.089 (0.076,0.1)	0.105 (0.078,0.136)	0.069 (0.053,0.094)	0.089 (0.081,0.1)
M29 150m DSA	0.085 (0.081,0.087)	0.085 (0.081,0.089)	0.088 (0.076,0.097)	0.094 (0.075,0.12)	0.07 (0.043,0.092)	0.086 (0.077,0.095)

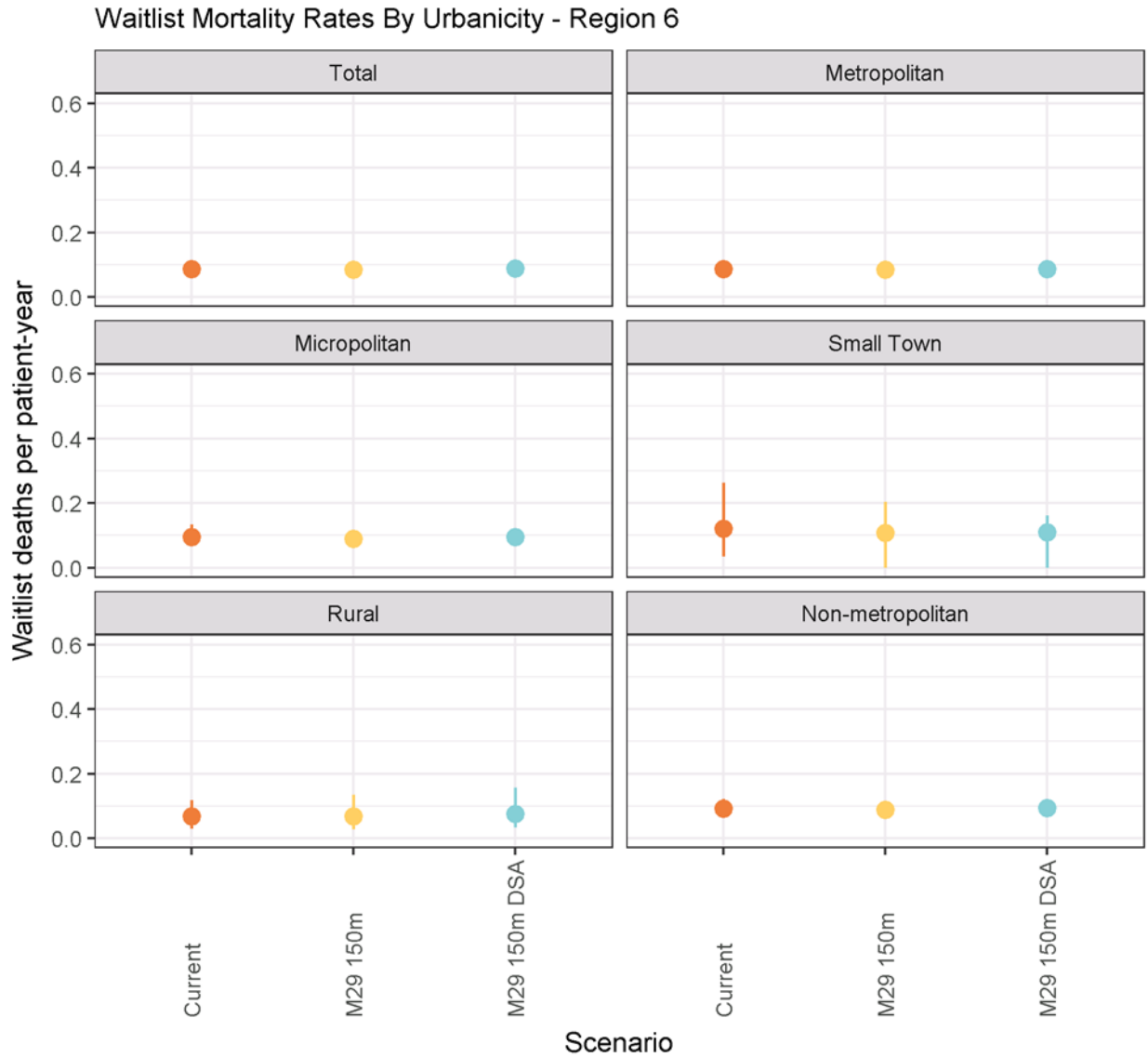


Figure 103 Waitlist mortality rates by urbanicity - region 6

Table 103 Waitlist mortality rates by urbanicity - region 6

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.087 (0.073,0.104)	0.086 (0.071,0.102)	0.095 (0.074,0.133)	0.12 (0.035,0.262)	0.068 (0.029,0.117)	0.093 (0.074,0.122)
M29 150m	0.086 (0.079,0.099)	0.085 (0.071,0.1)	0.09 (0.069,0.106)	0.108 (0,0.203)	0.069 (0.028,0.134)	0.088 (0.062,0.111)
M29 150m DSA	0.088 (0.076,0.098)	0.088 (0.07,0.095)	0.095 (0.075,0.117)	0.111 (0,0.162)	0.076 (0.032,0.156)	0.093 (0.075,0.116)

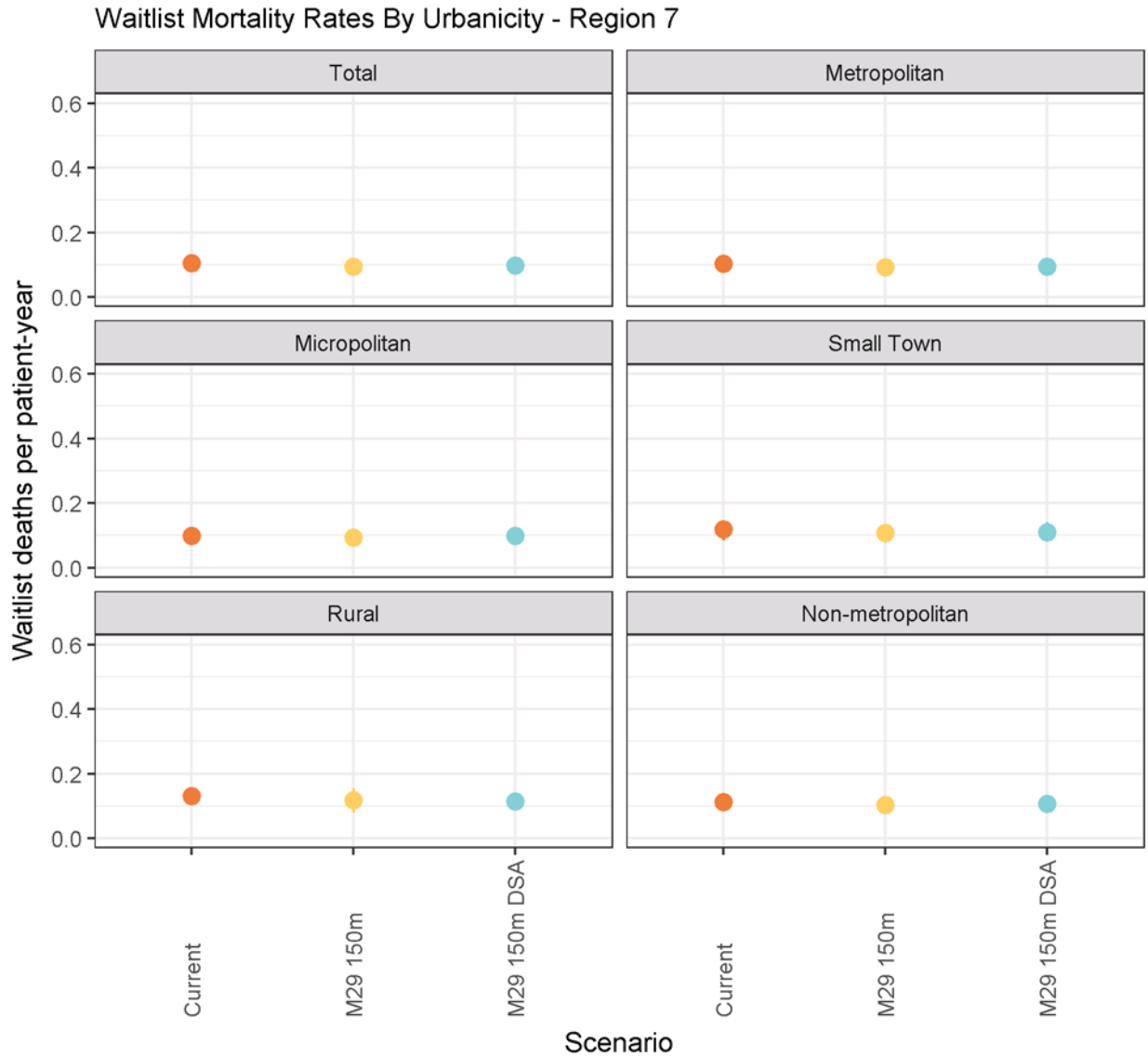


Figure 104 Waitlist mortality rates by urbanicity - region 7

Table 104 Waitlist mortality rates by urbanicity - region 7

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.106 (0.097,0.114)	0.104 (0.093,0.112)	0.099 (0.077,0.116)	0.118 (0.084,0.143)	0.131 (0.104,0.157)	0.113 (0.106,0.127)
M29 150m	0.095 (0.091,0.099)	0.092 (0.089,0.096)	0.092 (0.077,0.121)	0.108 (0.077,0.135)	0.117 (0.08,0.155)	0.104 (0.093,0.113)
M29 150m DSA	0.098 (0.092,0.103)	0.095 (0.091,0.101)	0.098 (0.078,0.12)	0.11 (0.089,0.141)	0.114 (0.084,0.14)	0.106 (0.095,0.126)

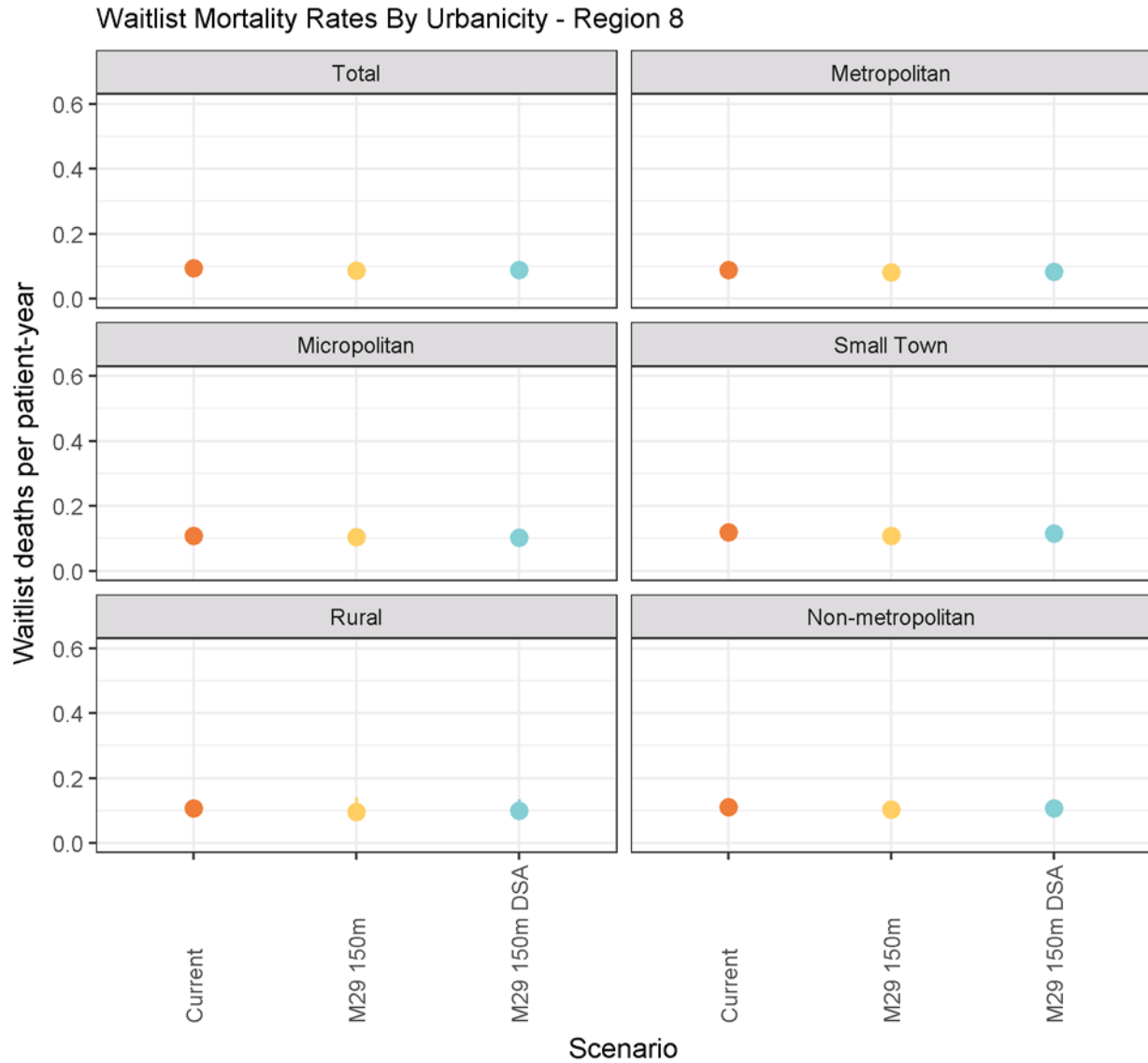


Figure 105 Waitlist mortality rates by urbanicity - region 8

Table 105 Waitlist mortality rates by urbanicity - region 8

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.094 (0.088,0.107)	0.088 (0.082,0.103)	0.108 (0.096,0.121)	0.119 (0.099,0.134)	0.107 (0.093,0.133)	0.111 (0.102,0.121)
M29 150m	0.087 (0.08,0.094)	0.081 (0.073,0.088)	0.103 (0.087,0.113)	0.109 (0.083,0.129)	0.096 (0.071,0.14)	0.103 (0.091,0.114)
M29 150m DSA	0.088 (0.082,0.099)	0.083 (0.073,0.091)	0.102 (0.087,0.117)	0.116 (0.1,0.129)	0.1 (0.075,0.134)	0.106 (0.097,0.121)



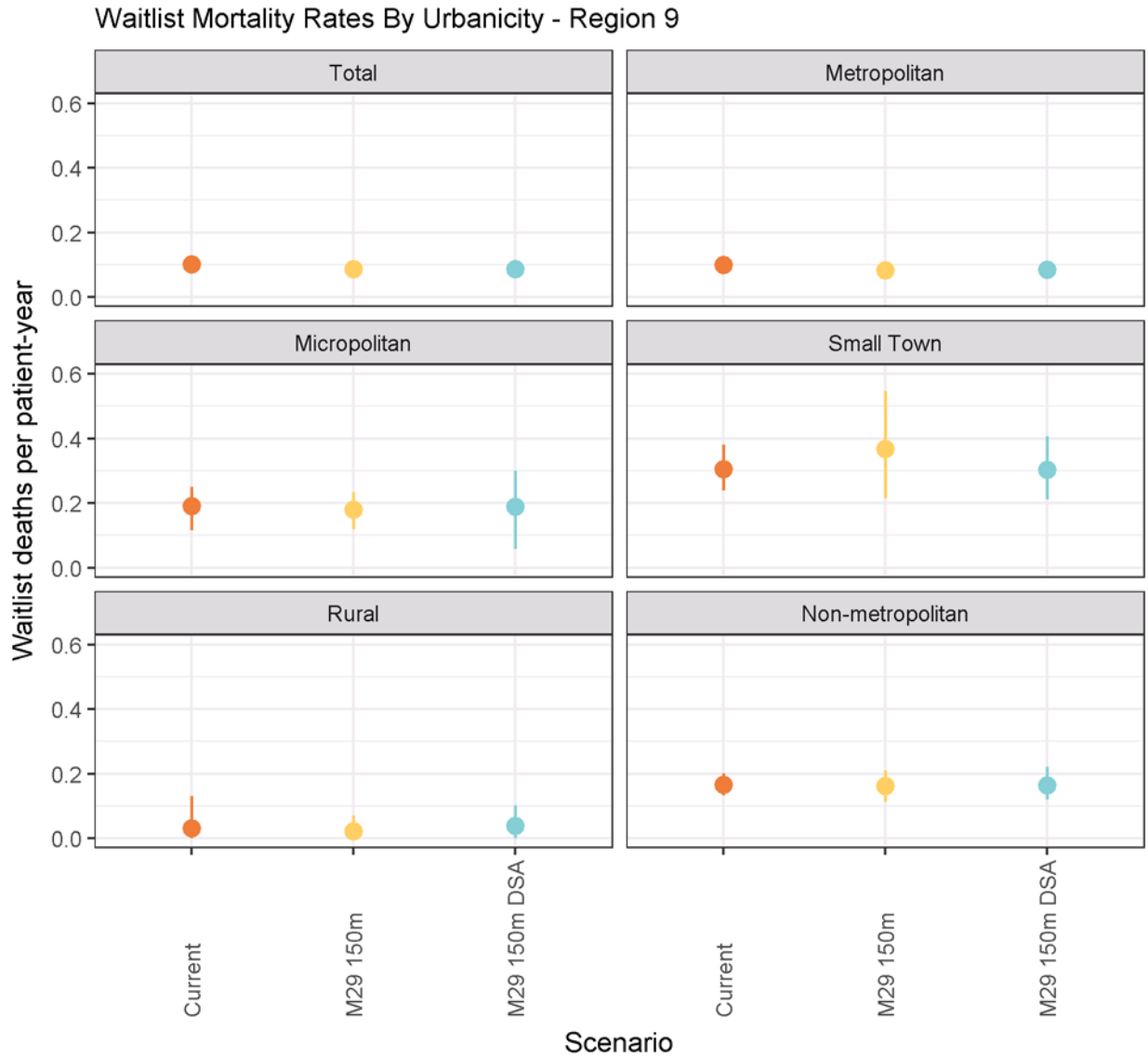


Figure 106 Waitlist mortality rates by urbanicity - region 9

Table 106 Waitlist mortality rates by urbanicity - region 9

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.102 (0.093,0.109)	0.1 (0.09,0.107)	0.191 (0.116,0.249)	0.305 (0.238,0.38)	0.032 (0,0.131)	0.167 (0.133,0.202)
M29 150m	0.086 (0.082,0.089)	0.084 (0.08,0.087)	0.18 (0.118,0.234)	0.368 (0.215,0.547)	0.021 (0,0.069)	0.162 (0.113,0.211)
M29 150m DSA	0.087 (0.08,0.093)	0.085 (0.079,0.09)	0.189 (0.057,0.299)	0.303 (0.212,0.406)	0.039 (0,0.102)	0.164 (0.12,0.221)

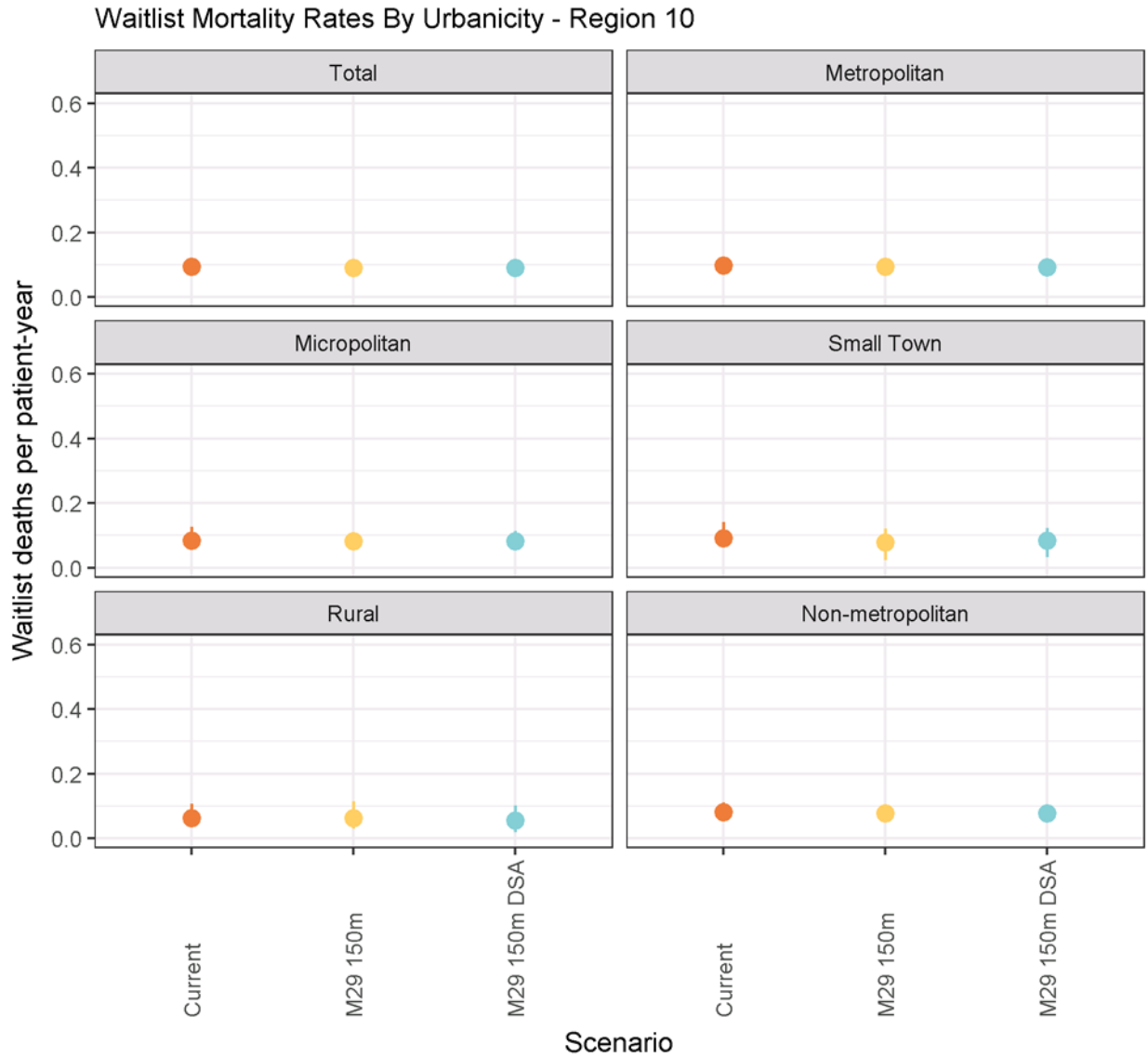


Figure 107 Waitlist mortality rates by urbanicity - region 10

Table 107 Waitlist mortality rates by urbanicity - region 10

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.095 (0.088,0.101)	0.097 (0.091,0.104)	0.084 (0.065,0.126)	0.091 (0.065,0.142)	0.063 (0.032,0.107)	0.082 (0.067,0.11)
M29 150m	0.091 (0.082,0.103)	0.094 (0.086,0.11)	0.083 (0.065,0.104)	0.078 (0.023,0.121)	0.063 (0.029,0.114)	0.078 (0.067,0.092)
M29 150m DSA	0.09 (0.081,0.098)	0.092 (0.082,0.101)	0.083 (0.061,0.113)	0.083 (0.032,0.123)	0.056 (0.019,0.102)	0.078 (0.062,0.098)

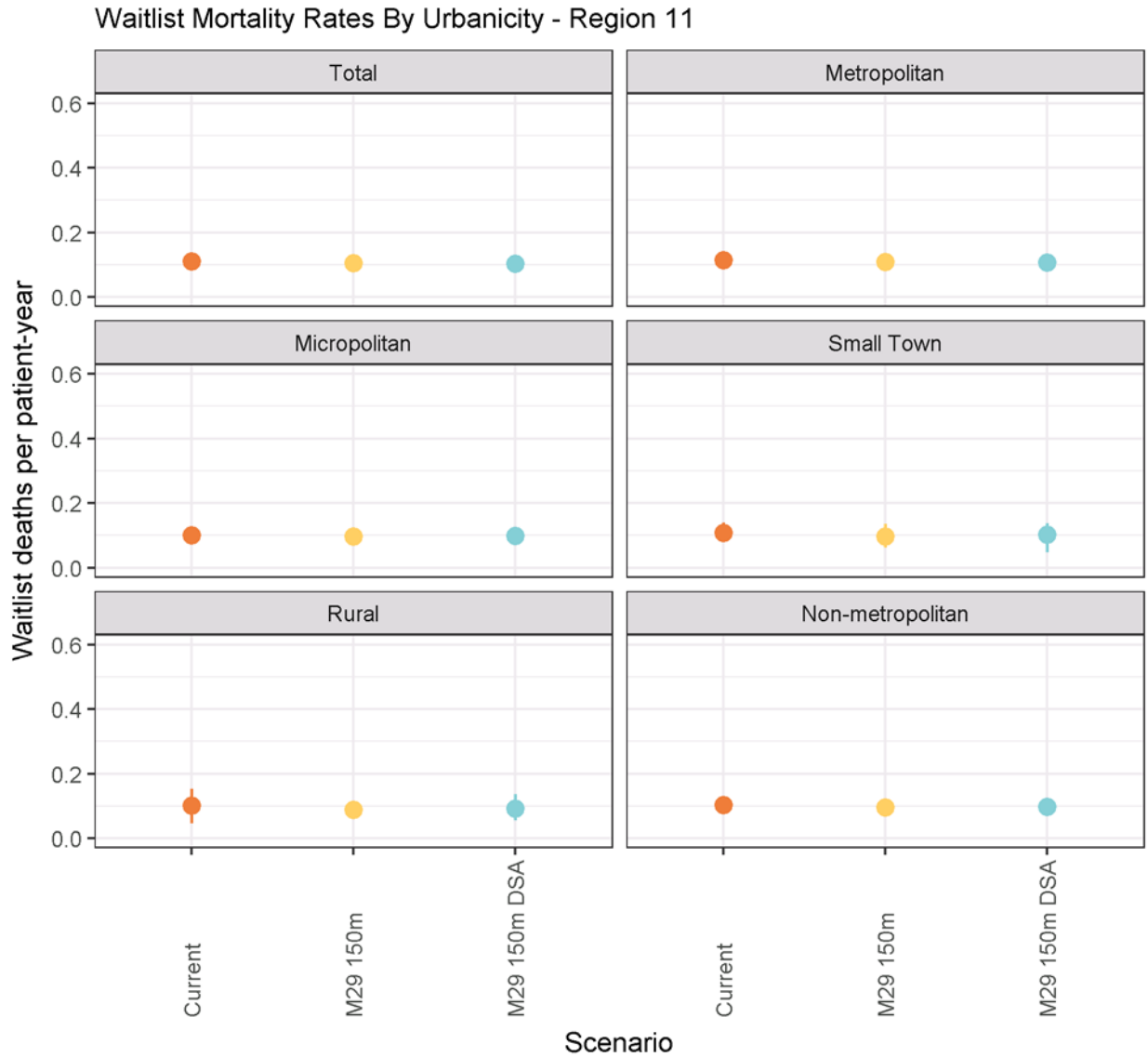


Figure 108 Waitlist mortality rates by urbanicity - region 11

Table 108 Waitlist mortality rates by urbanicity - region 11

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	0.111 (0.101,0.117)	0.114 (0.107,0.122)	0.101 (0.077,0.121)	0.108 (0.084,0.138)	0.101 (0.046,0.153)	0.103 (0.084,0.126)
M29 150m	0.105 (0.095,0.115)	0.109 (0.098,0.123)	0.096 (0.08,0.115)	0.097 (0.063,0.136)	0.089 (0.065,0.112)	0.095 (0.088,0.103)
M29 150m DSA	0.104 (0.098,0.115)	0.107 (0.099,0.122)	0.098 (0.083,0.115)	0.103 (0.047,0.138)	0.092 (0.055,0.137)	0.099 (0.077,0.118)

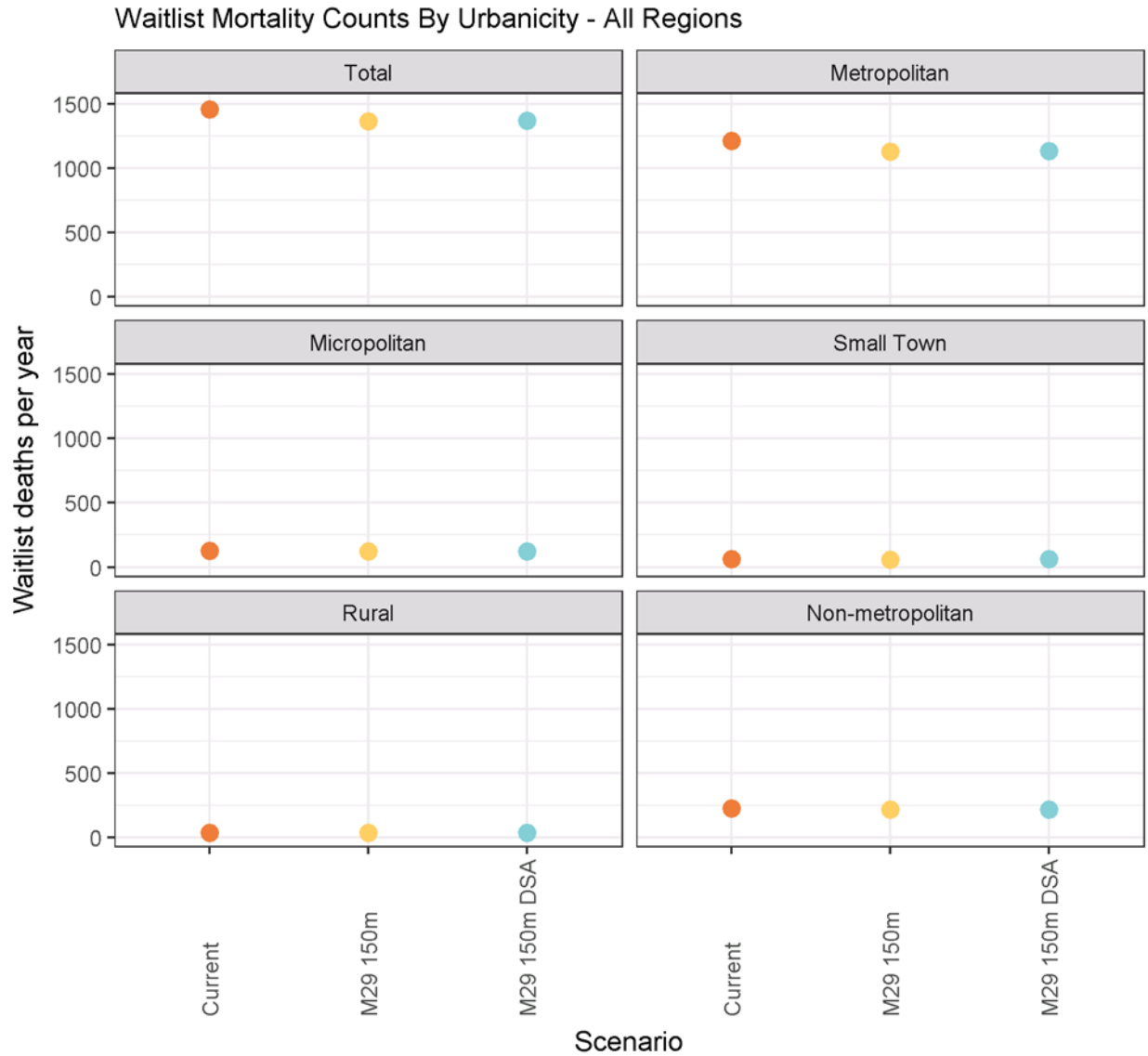


Figure 109 Waitlist mortality counts by urbanicity - all regions

Table 109 Waitlist mortality counts by urbanicity - all regions

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	1455.1 (1425,1504.3)	1209.8 (1177.3,1243.3)	125.2 (118.3,132)	63.2 (55.7,68)	38.8 (32.3,44.3)	227.1 (219.7,244)
M29 150m	1365.7 (1334.7,1403.7)	1130.5 (1109.7,1162.7)	122.2 (117.3,127)	59.4 (55.3,65.7)	36.8 (31,41)	218.4 (210,228.3)
M29 150m DSA	1368.6 (1343,1407.7)	1133.1 (1091,1161.7)	121.7 (113.7,130)	60.4 (55.7,64)	36.6 (31.7,40.3)	218.7 (205.7,234.3)

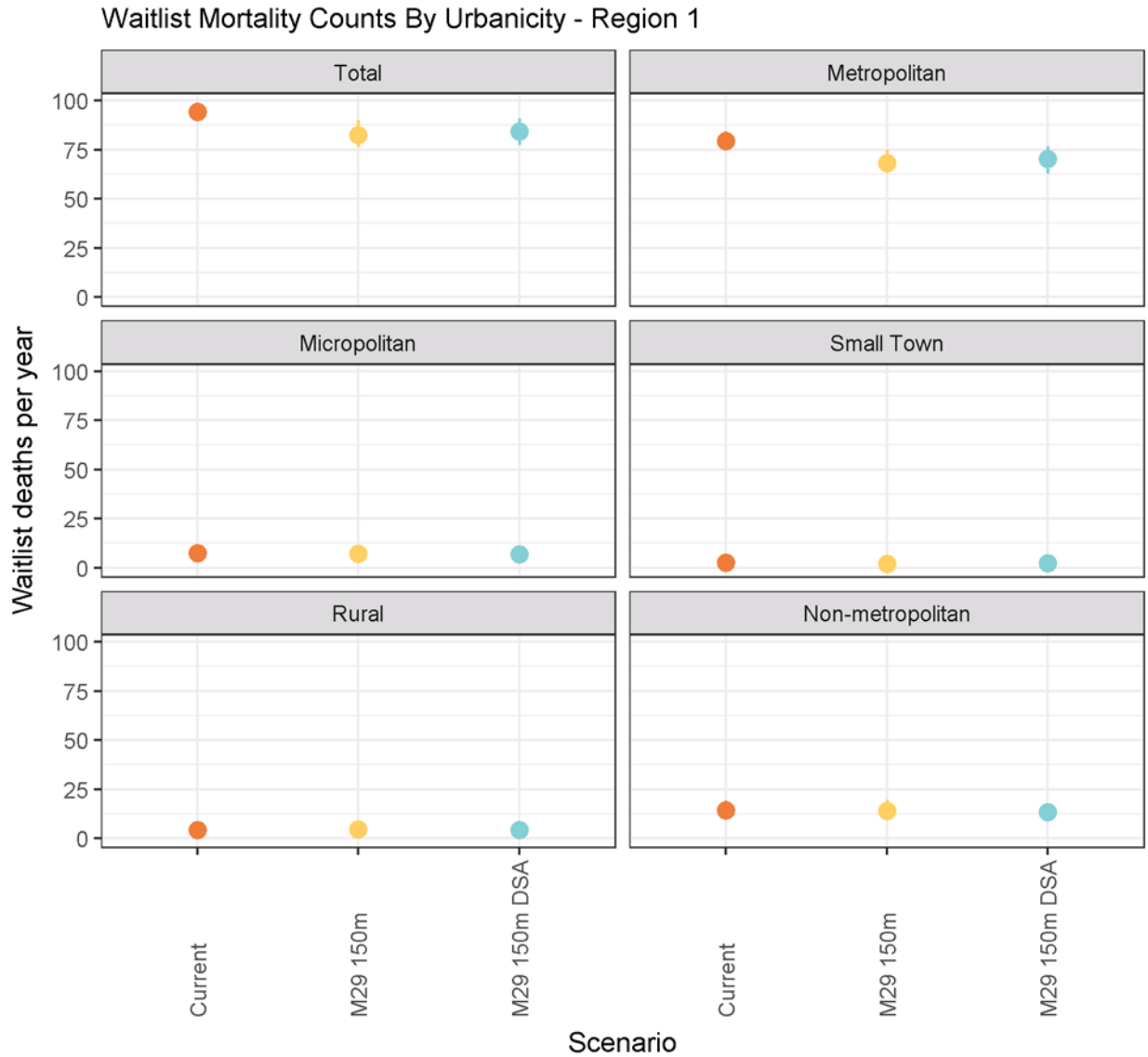


Figure 110 Waitlist mortality counts by urbanicity - region 1

Table 110 Waitlist mortality counts by urbanicity - region 1

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	94.2 (89.7,98.7)	79.5 (74.7,84.3)	7.3 (5.7,10.3)	2.6 (1.3,4)	4.3 (3.3,5.3)	14.1 (11.7,19)
M29 150m	82.5 (76.3,90)	68.2 (63,75)	7.2 (5.3,11.7)	2.1 (1,3.3)	4.5 (2.3,7)	13.8 (11,19.7)
M29 150m DSA	84.4 (77.3,91)	70.5 (62.7,76.7)	6.9 (5,9)	2.4 (1.3,4)	4.1 (3,5.3)	13.4 (11.3,17)

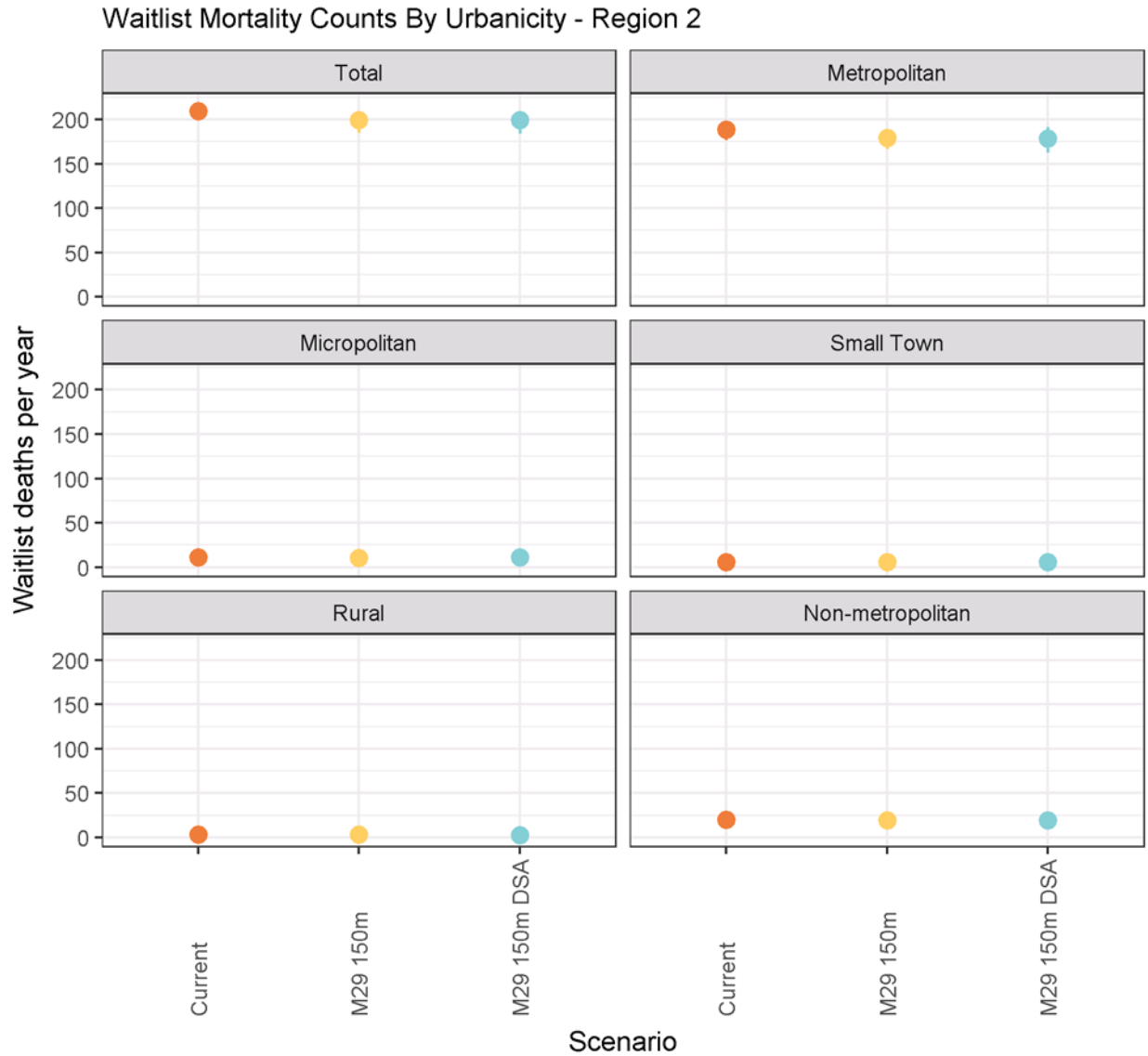


Figure 111 Waitlist mortality counts by urbanicity - region 2

Table 111 Waitlist mortality counts by urbanicity - region 2

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	209.7 (199.3,218.3)	188.3 (176.7,197.3)	11.1 (9.7,13.7)	5.9 (4,9)	3 (1.7,4.7)	20.1 (18,23.7)
M29 150m	199.4 (184.7,207.3)	178.9 (166.7,189.3)	10.7 (9,12.7)	5.8 (3.7,8.7)	3.1 (2,4.7)	19.6 (16.7,22.3)
M29 150m DSA	199.1 (183.7,209.7)	178.7 (162.7,191)	11 (9.3,12.7)	5.4 (3.7,6.7)	2.8 (1.7,4.7)	19.3 (16.7,23)

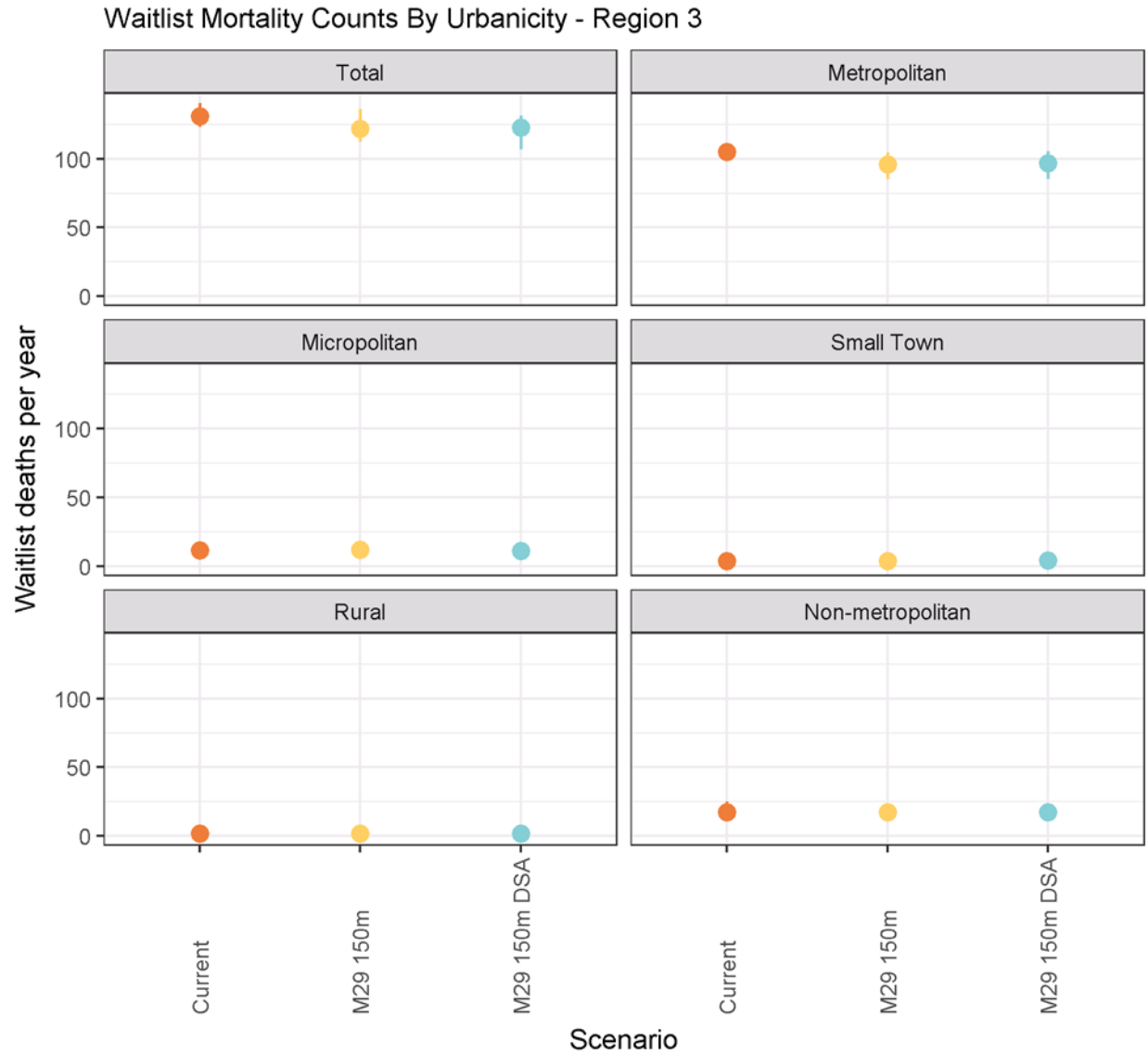


Figure 112 Waitlist mortality counts by urbanicity - region 3

Table 112 Waitlist mortality counts by urbanicity - region 3

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	131.2 (123.3,140.7)	104.9 (100.3,110)	11.5 (9.7,16.3)	3.9 (2.7,5)	1.9 (1,3.7)	17.3 (14.3,25)
M29 150m	121.9 (112.3,136.3)	95.8 (85.3,104.7)	11.7 (9.3,14.7)	3.9 (2.7,5.3)	1.8 (1,3.3)	17.4 (14.3,22)
M29 150m DSA	122.8 (107,131.3)	96.9 (85.3,105.3)	11.1 (9.3,13)	4.1 (2.7,5.7)	1.9 (1,4.7)	17.1 (14.3,21.7)

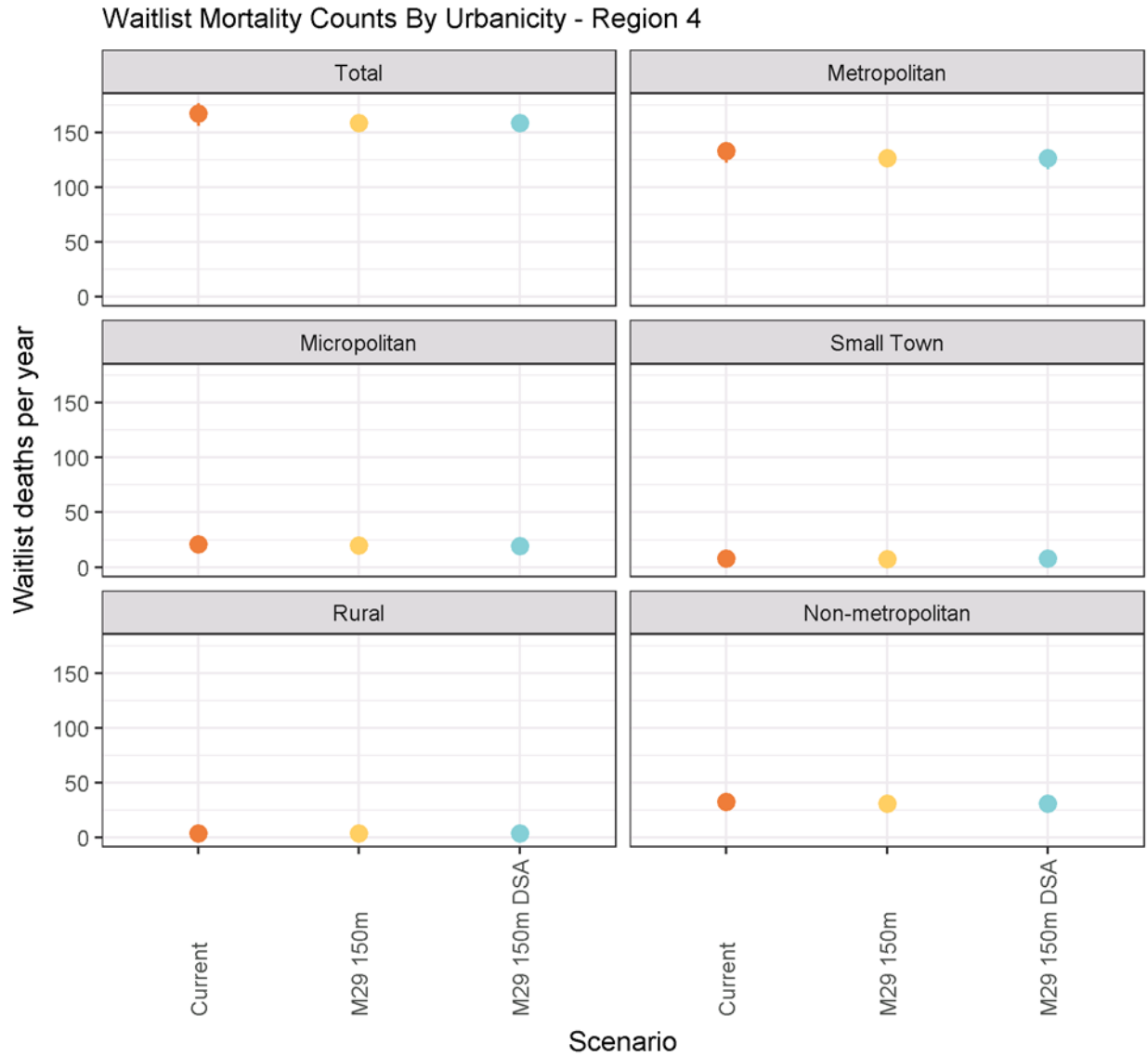


Figure 113 Waitlist mortality counts by urbanicity - region 4

Table 113 Waitlist mortality counts by urbanicity - region 4

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	167 (155.7,176.7)	133.1 (122,141)	20.9 (19,24)	8.1 (5.7,10)	3.7 (2.3,5.7)	32.7 (29.3,36.3)
M29 150m	158.6 (151.3,164.3)	126.8 (123,132)	19.7 (18,22)	7.6 (7,9)	3.7 (2,5.7)	30.9 (27.3,34)
M29 150m DSA	158.6 (150.7,164.7)	126.6 (116,132)	19.5 (16.7,23.7)	7.9 (6.3,9)	3.8 (2,5.7)	31.2 (27.3,35.7)



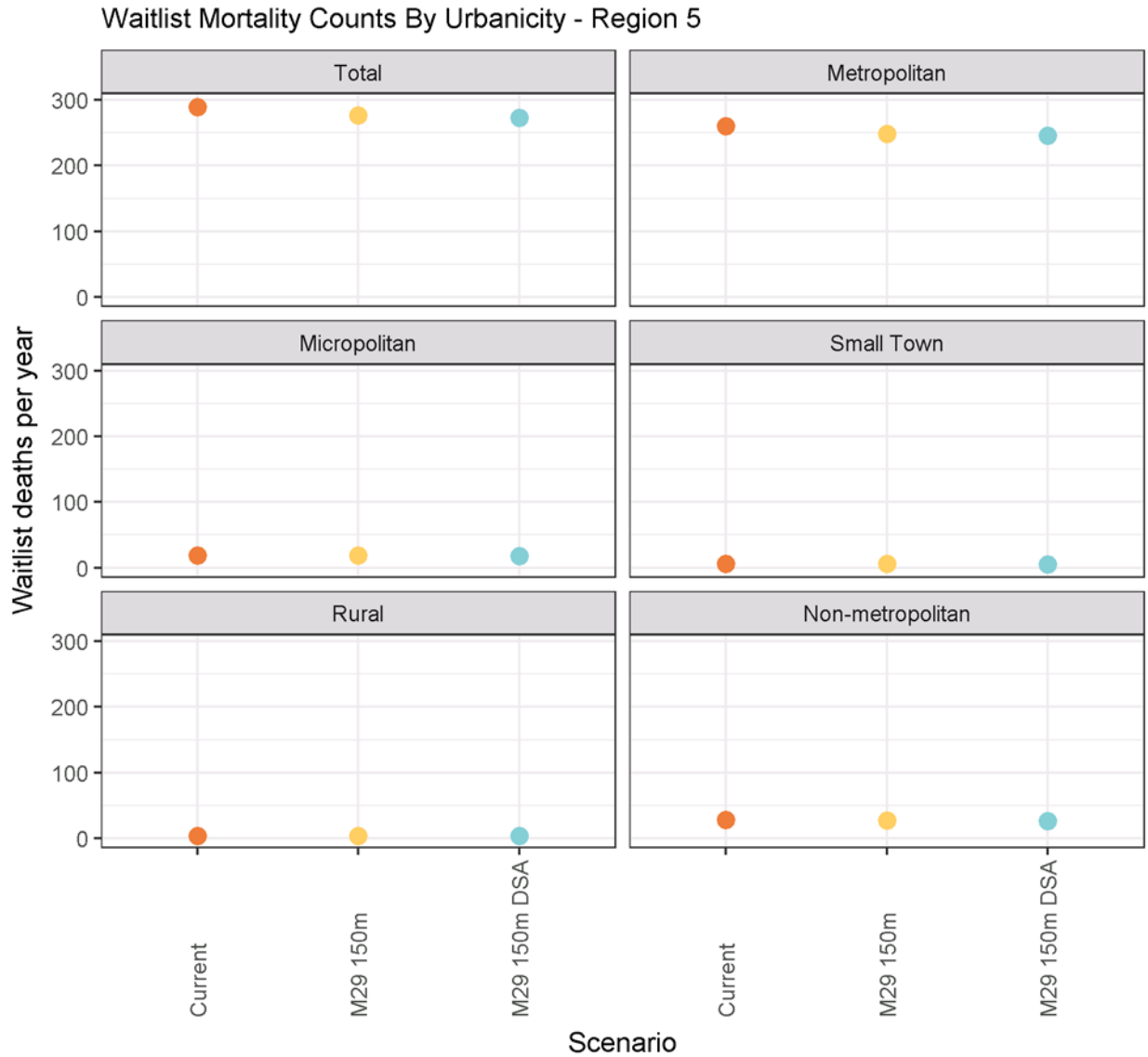


Figure 114 Waitlist mortality counts by urbanicity - region 5

Table 114 Waitlist mortality counts by urbanicity - region 5

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	288.9 (281.3,295)	259.9 (255,264.7)	18.6 (15.7,22.3)	5.9 (4.3,6.7)	3.5 (2.7,4.7)	28 (25,30.3)
M29 150m	277 (264,283)	248.8 (238,255)	18.2 (15.7,20.3)	5.7 (4.7,7)	3.3 (2.3,4.3)	27.1 (24.7,30.3)
M29 150m DSA	272.7 (264.3,281.3)	245.7 (239,254.7)	17.7 (15.3,20)	5.1 (4,6)	3.2 (2,4)	26 (24.3,28)

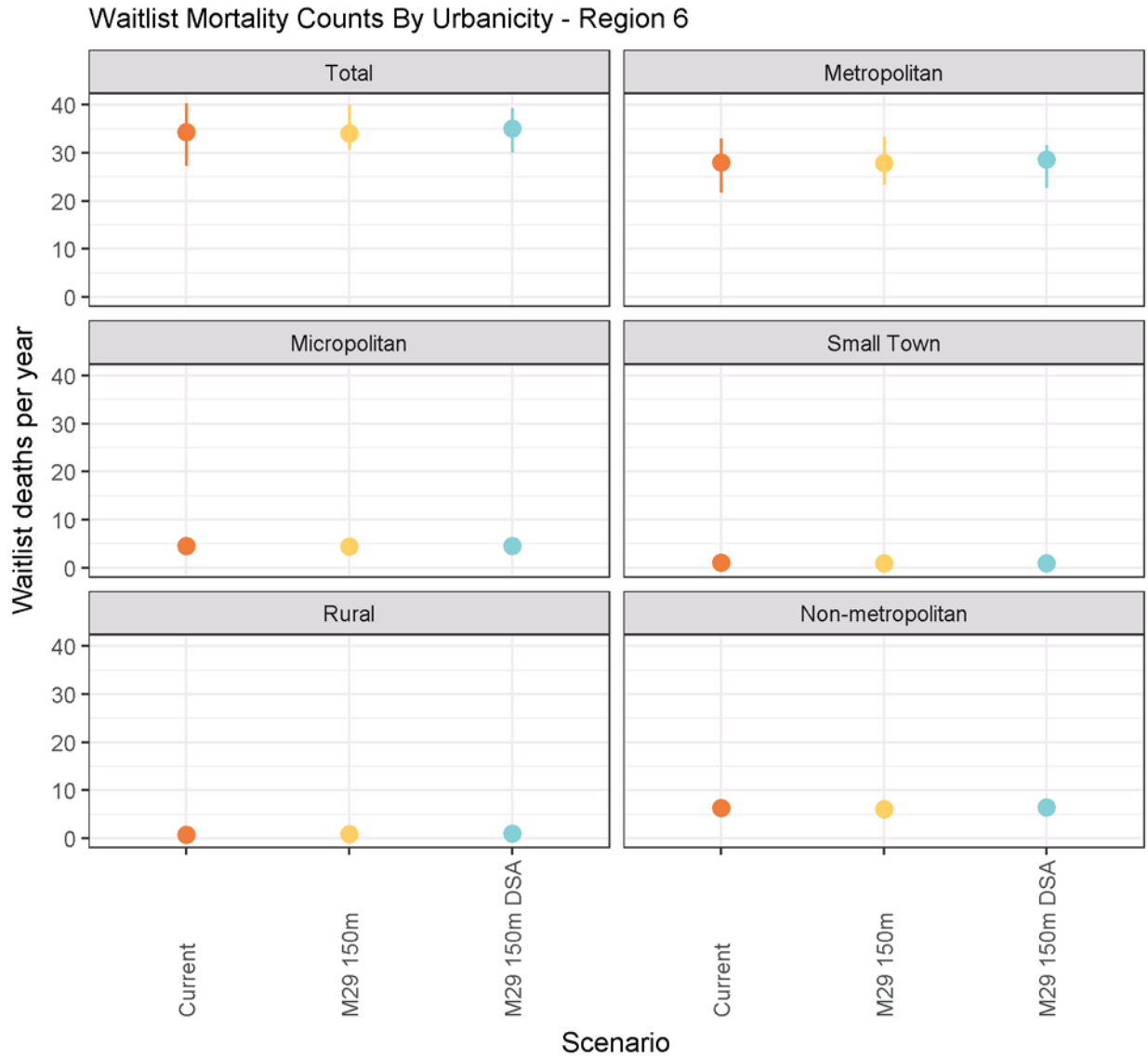


Figure 115 Waitlist mortality counts by urbanicity - region 6

Table 115 Waitlist mortality counts by urbanicity - region 6

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	34.3 (27.3,40.3)	28 (21.7,33)	4.5 (3.7,6)	1 (0.3,2)	0.8 (0.3,1.3)	6.3 (5.3,7.7)
M29 150m	34.1 (30.7,40)	27.9 (23.3,33.3)	4.4 (3.3,5.7)	0.9 (0,1.7)	0.8 (0.3,1.7)	6.1 (4,8)
M29 150m DSA	35.1 (30,39.3)	28.6 (22.7,31.7)	4.6 (4,5.3)	0.9 (0,1.3)	0.9 (0.3,2)	6.4 (5,7.7)

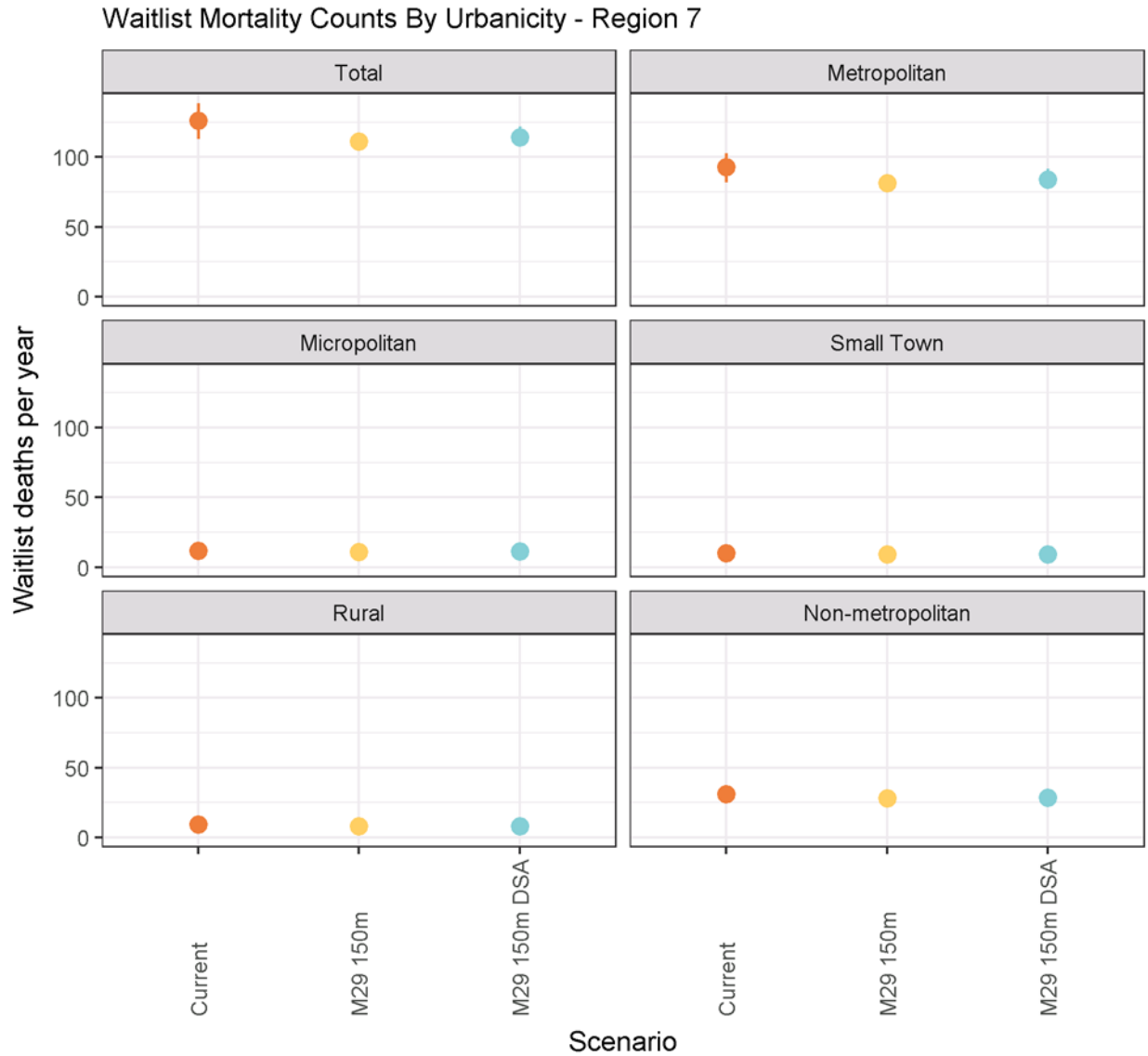


Figure 116 Waitlist mortality counts by urbanicity - region 7

Table 116 Waitlist mortality counts by urbanicity - region 7

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	126 (113,138.7)	93 (81.7,102.7)	11.9 (9,13)	10 (7,12.7)	9.3 (7,11.7)	31.2 (28.7,36)
M29 150m	111.4 (107.3,117)	81.2 (78,86)	10.9 (8.3,14.7)	9.2 (6.3,12.3)	8.2 (5.3,11)	28.3 (26,31)
M29 150m DSA	114.2 (108.7,122)	83.8 (80.7,91.7)	11.5 (9.3,14.7)	9.2 (7,11)	7.9 (6.3,10.3)	28.7 (26.7,33)

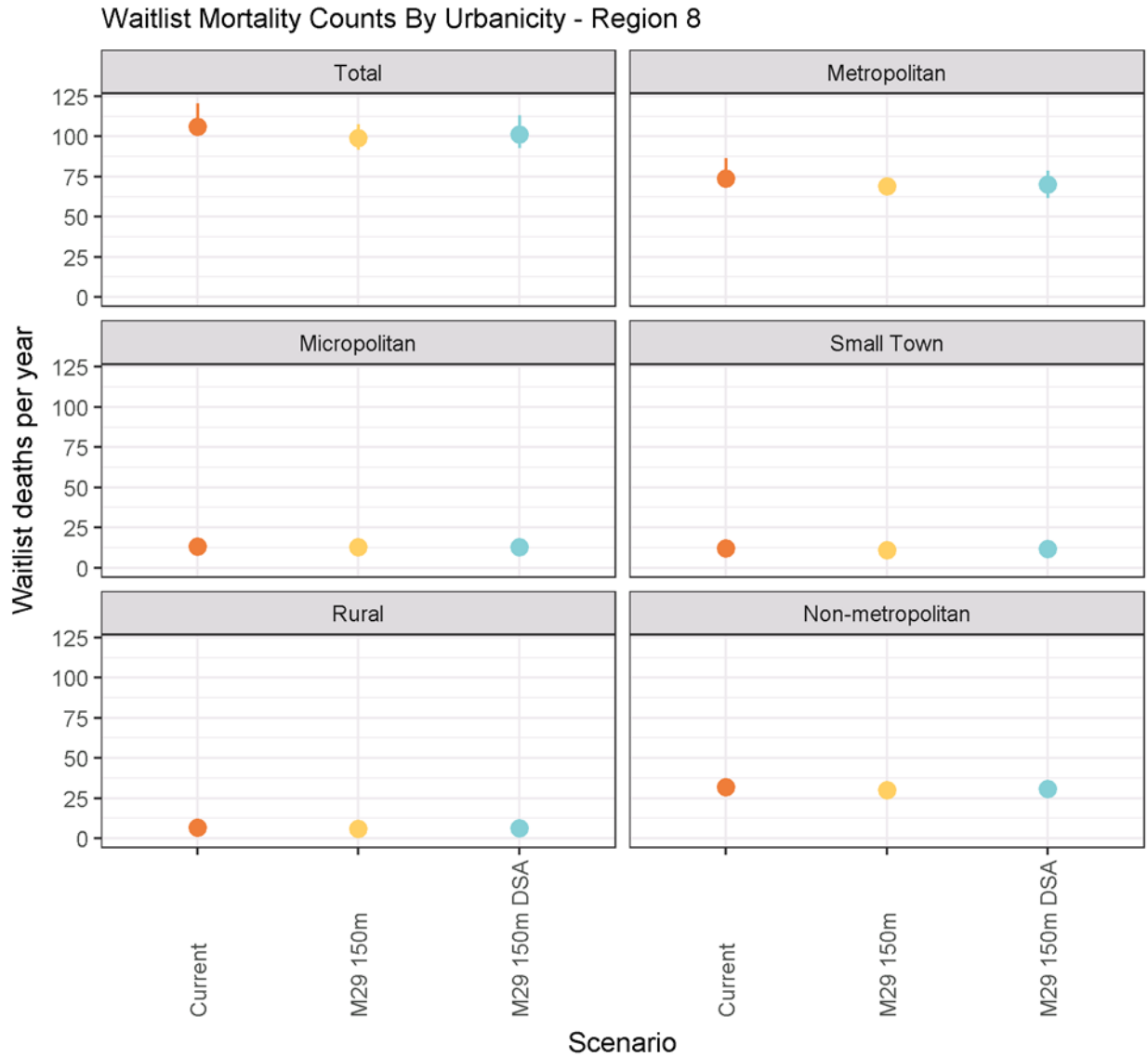


Figure 117 Waitlist mortality counts by urbanicity - region 8

Table 117 Waitlist mortality counts by urbanicity - region 8

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	106.1 (100.7,120.7)	73.9 (69,86.3)	13.3 (12.7,14)	12 (10,13.3)	6.6 (5.7,8)	31.9 (29.3,34.3)
M29 150m	99.1 (91.7,107.7)	69.1 (63,74.7)	12.9 (10.7,14.7)	11 (8.3,12.7)	6 (4.7,8.3)	29.9 (25,33)
M29 150m DSA	101.2 (92.7,113)	70.3 (61.7,78.7)	12.6 (11.3,14.3)	11.8 (9.7,13)	6.3 (4.7,8)	30.7 (28.7,34.7)

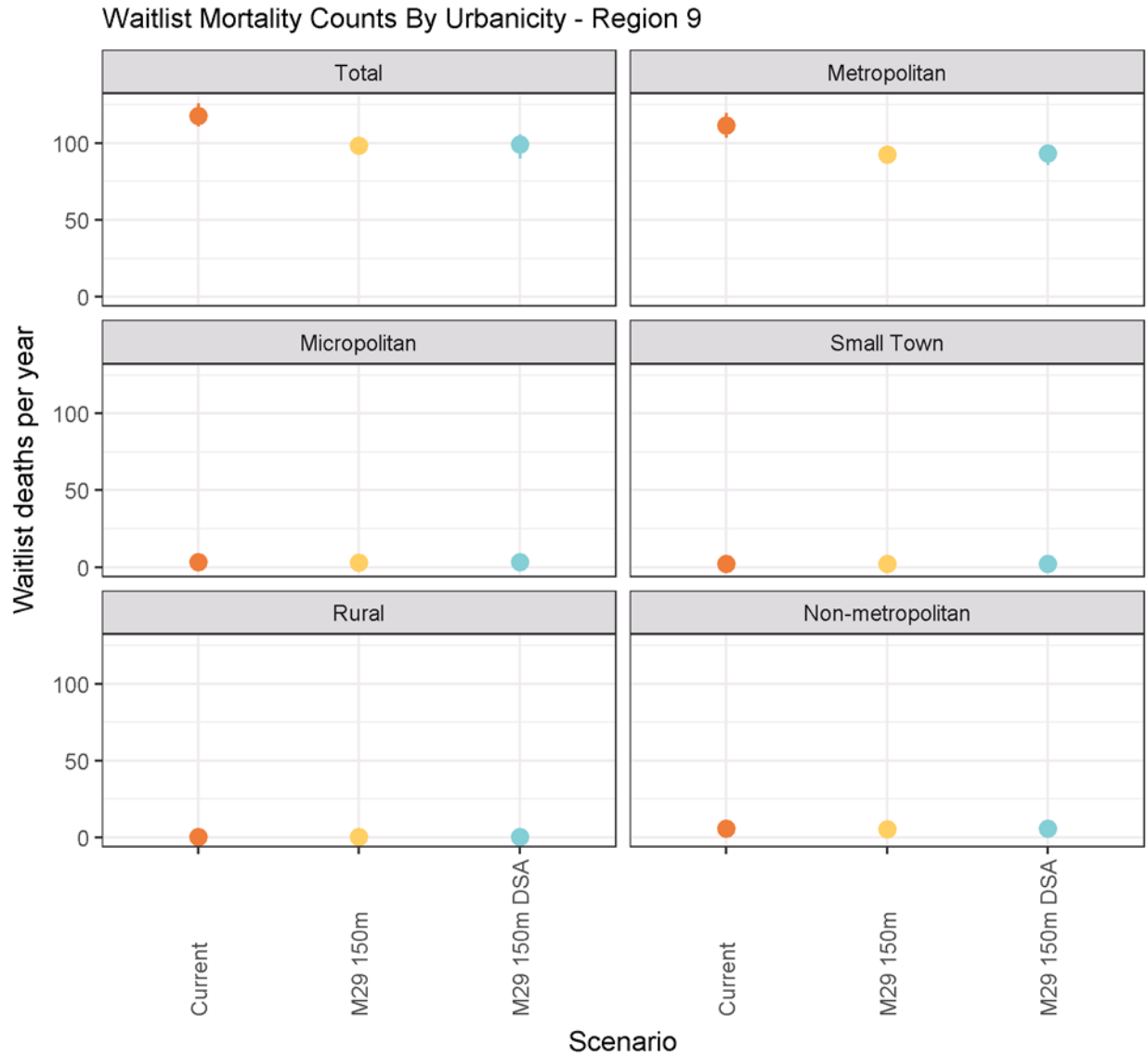


Figure 118 Waitlist mortality counts by urbanicity - region 9

Table 118 Waitlist mortality counts by urbanicity - region 9

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	117.6 (110.7,126)	111.5 (103.3,119.7)	3.3 (2,4.7)	2.2 (1.7,3)	0.4 (0,1.7)	5.9 (4.7,7.3)
M29 150m	98.2 (93.3,101.7)	92.5 (88.7,96.3)	2.9 (2,4)	2.3 (1.3,4.3)	0.2 (0,0.7)	5.5 (4,7.3)
M29 150m DSA	99.2 (90,105.7)	93.3 (85.7,98.7)	3.1 (1,5)	2.1 (1,3.3)	0.4 (0,1)	5.7 (4.3,7)

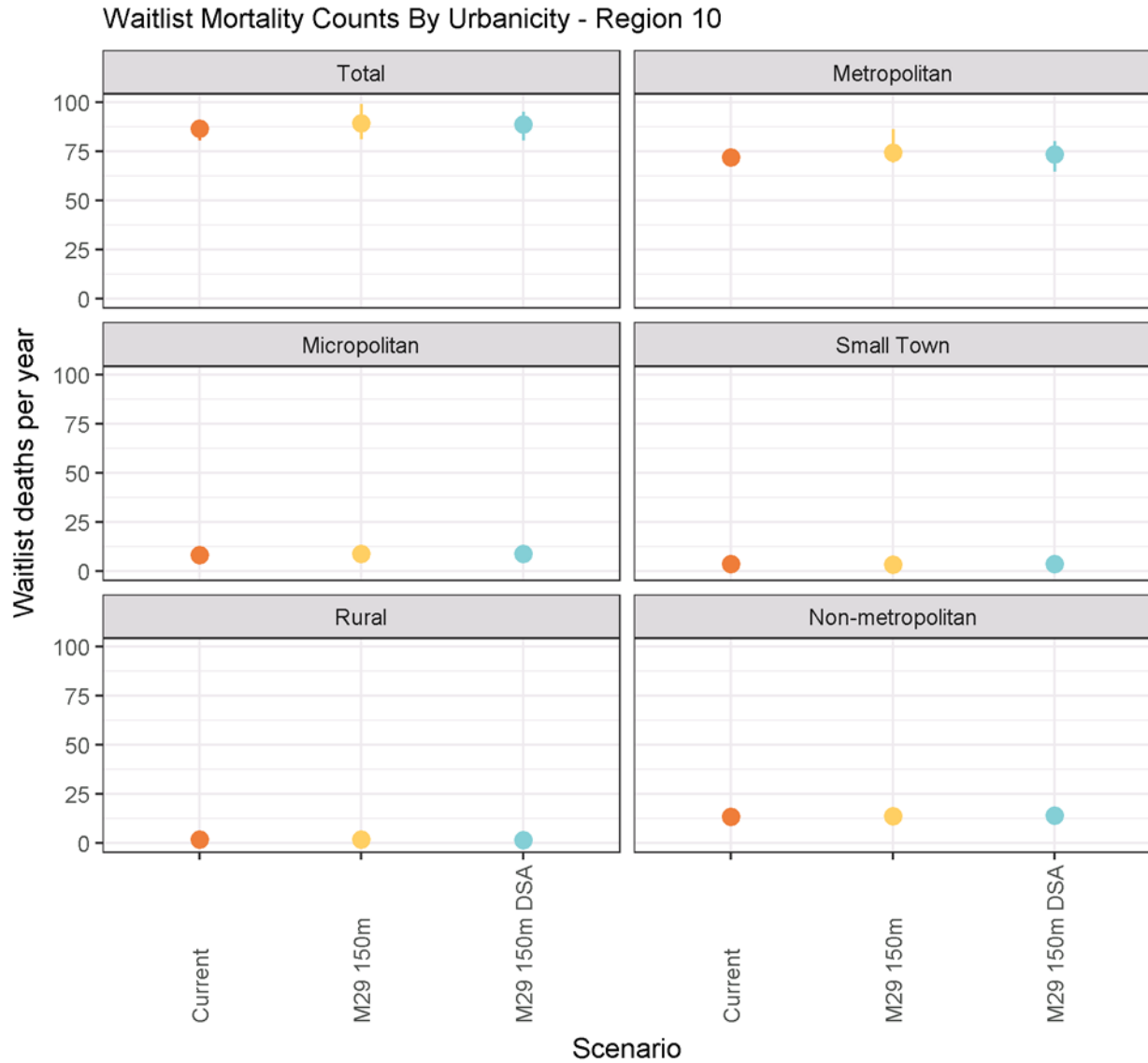


Figure 119 Waitlist mortality counts by urbanicity - region 10

Table 119 Waitlist mortality counts by urbanicity - region 10

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	86.7 (80.7,91)	72.1 (67.3,76.3)	8 (6.3,11.7)	3.6 (2.7,5)	1.8 (1,2.7)	13.4 (11.3,16)
M29 150m	89.4 (81.3,99.3)	74.4 (69.3,86.3)	8.6 (7.3,11.3)	3.4 (1,4.7)	1.8 (1,3)	13.8 (11.7,16.3)
M29 150m DSA	88.9 (80.7,95.3)	73.7 (64.7,80.3)	8.7 (6.7,11.7)	3.6 (1.3,5.7)	1.6 (0.7,2.7)	14 (10.7,16)

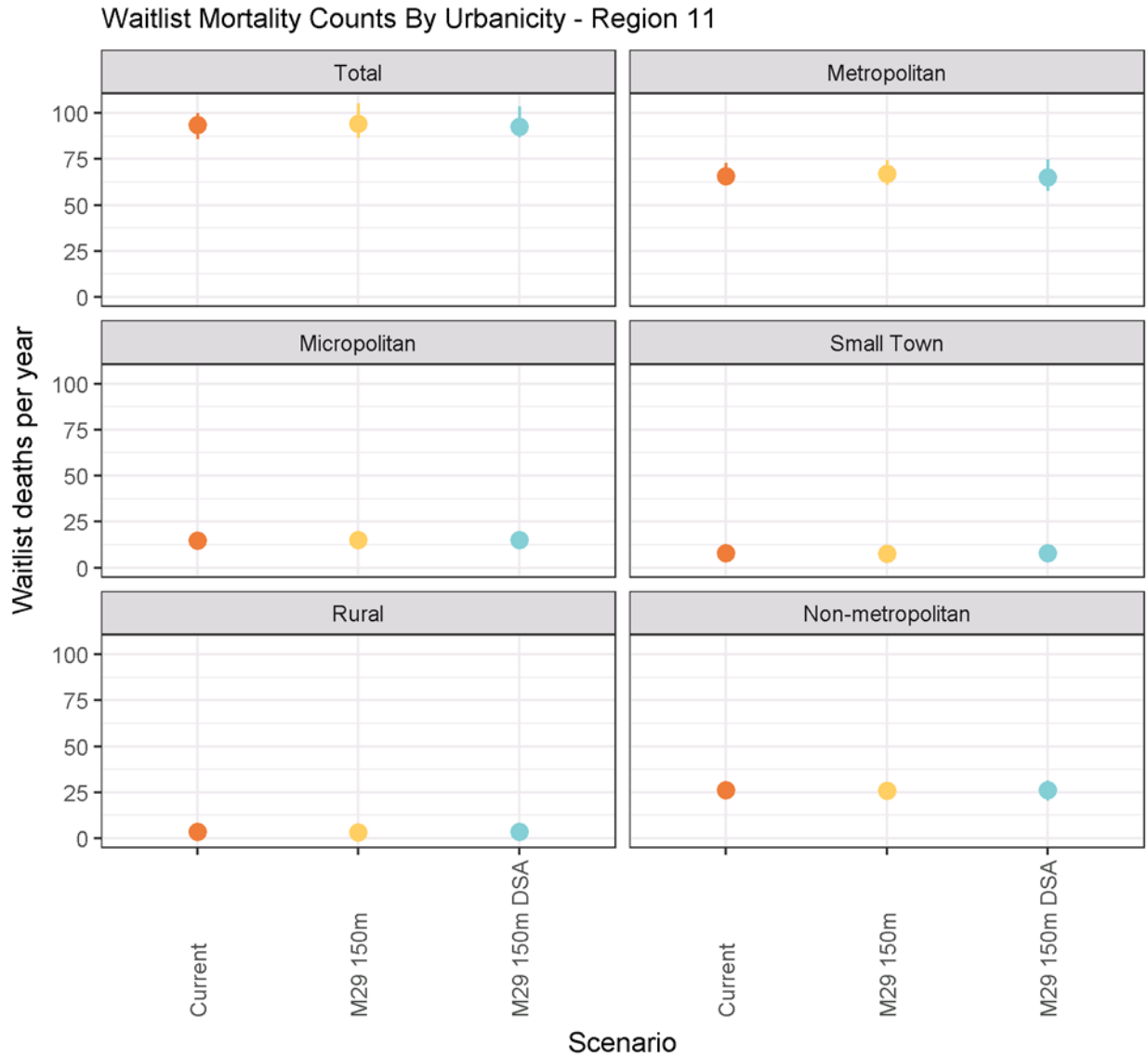


Figure 120 Waitlist mortality counts by urbanicity - region 11

Table 120 Waitlist mortality counts by urbanicity - region 11

Scenario	Total	Metropolitan	Micropolitan	Small Town	Rural	Non-metropolitan
Current	93.4 (85.7,100)	65.8 (60.7,73)	14.8 (11.7,17)	7.9 (6.3,9.7)	3.5 (1.7,5.3)	26.2 (21.7,31)
M29 150m	94.2 (86.3,105.3)	66.9 (61,74.3)	14.9 (12.3,18.7)	7.6 (5,11.3)	3.3 (2.3,4.3)	25.8 (23.3,29)
M29 150m DSA	92.5 (86.7,103.7)	65 (57.7,74.7)	14.9 (12.3,17.3)	7.9 (3.7,10.7)	3.4 (2.3,5.3)	26.2 (20.3,31.3)

CCRS

Median Allocation MELD/PELD at Transplant

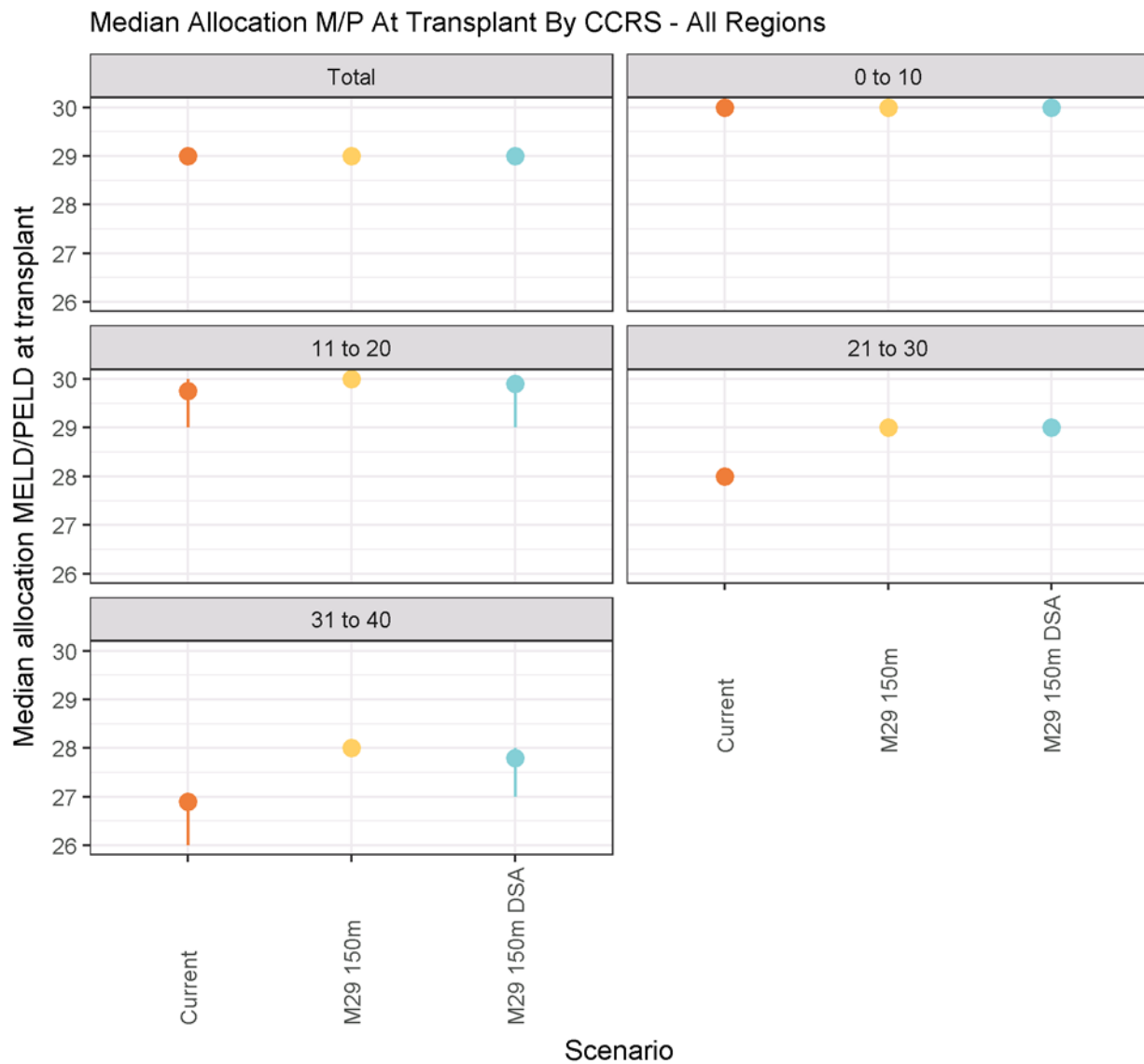


Figure 121 Median allocation MELD/PELD at transplant by CCRS - all regions

Table 121 Median allocation MELD/PELD at transplant by CCRS - all regions

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	29 (29,29)	30 (30,30)	29.8 (29,30)	28 (28,28)	26.9 (26,27)
M29 150m	29 (29,29)	30 (30,30)	30 (30,30)	29 (29,29)	28 (28,28)
M29 150m DSA	29 (29,29)	30 (30,30)	29.9 (29,30)	29 (29,29)	27.8 (27,28)



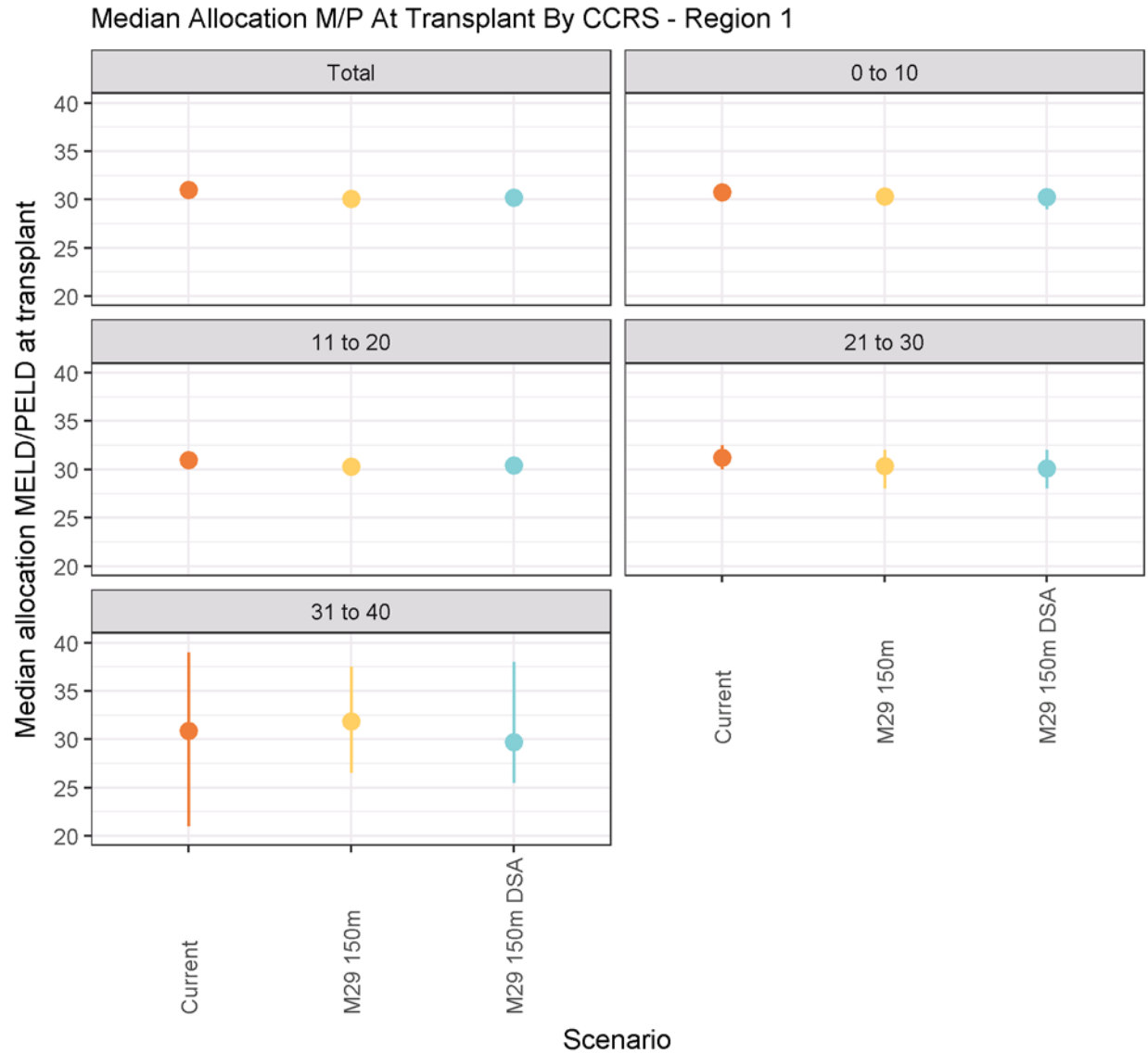


Figure 122 Median allocation MELD/PELD at transplant by CCRS - region 1

Table 122 Median allocation MELD/PELD at transplant by CCRS - region 1

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	31 (31,31)	30.8 (30,31)	31 (31,31)	31.2 (30,32.5)	30.9 (21,39)
M29 150m	30.1 (30,31)	30.4 (30,31)	30.3 (30,31)	30.4 (28,32)	31.9 (26.5,37.5)
M29 150m DSA	30.2 (30,31)	30.2 (29,31)	30.4 (30,31)	30.1 (28,32)	29.7 (25.5,38)

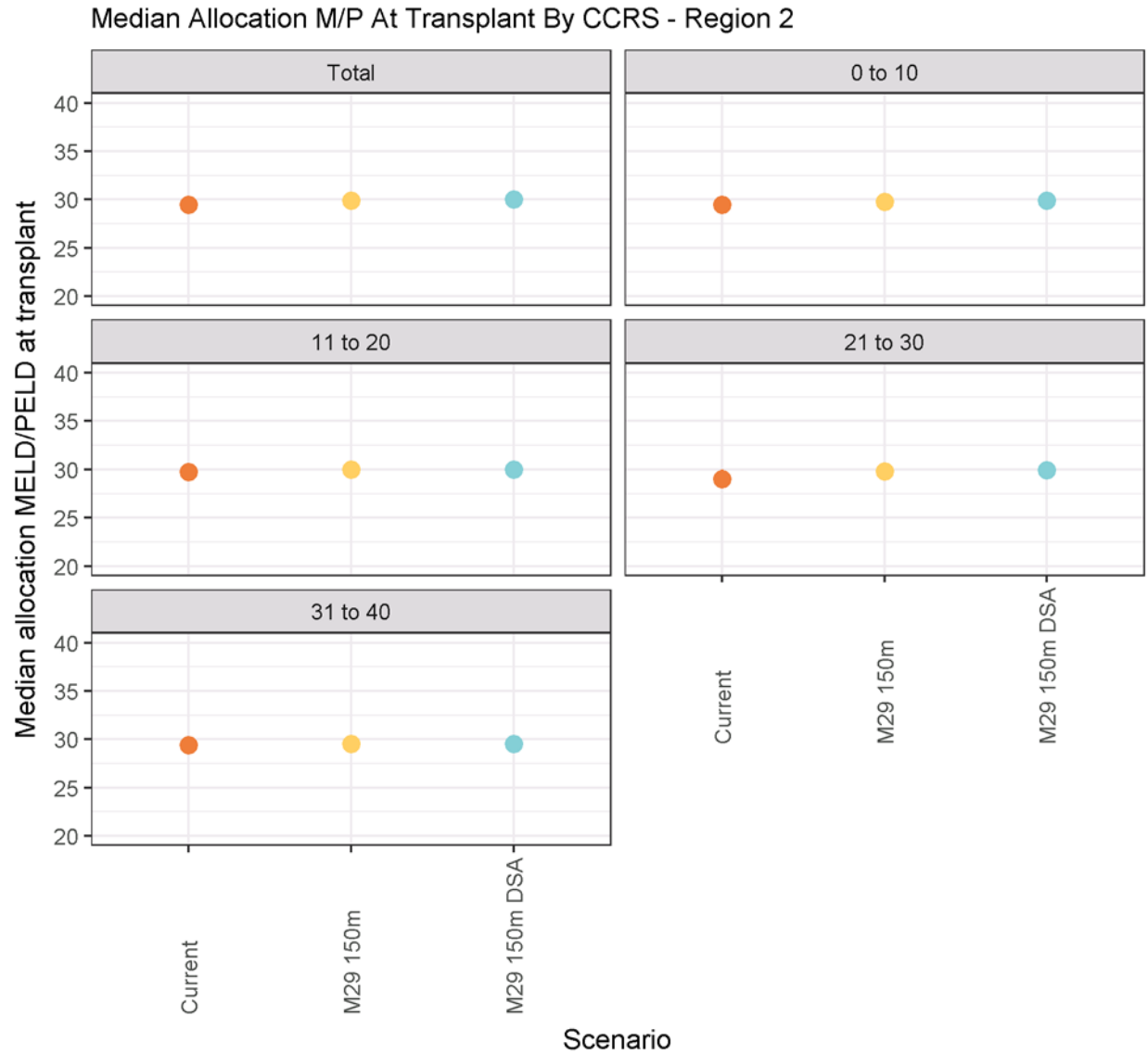


Figure 123 Median allocation MELD/PELD at transplant by CCRS - region 2

Table 123 Median allocation MELD/PELD at transplant by CCRS - region 2

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	29.5 (29,30)	29.4 (29,30)	29.8 (29,30)	29 (28,30)	29.4 (29,30)
M29 150m	29.9 (29,30)	29.8 (29,30)	30 (30,30)	29.8 (29,30)	29.5 (29,30)
M29 150m DSA	30 (30,30)	29.9 (29,30)	30 (30,30)	29.9 (29,30)	29.5 (29,30)

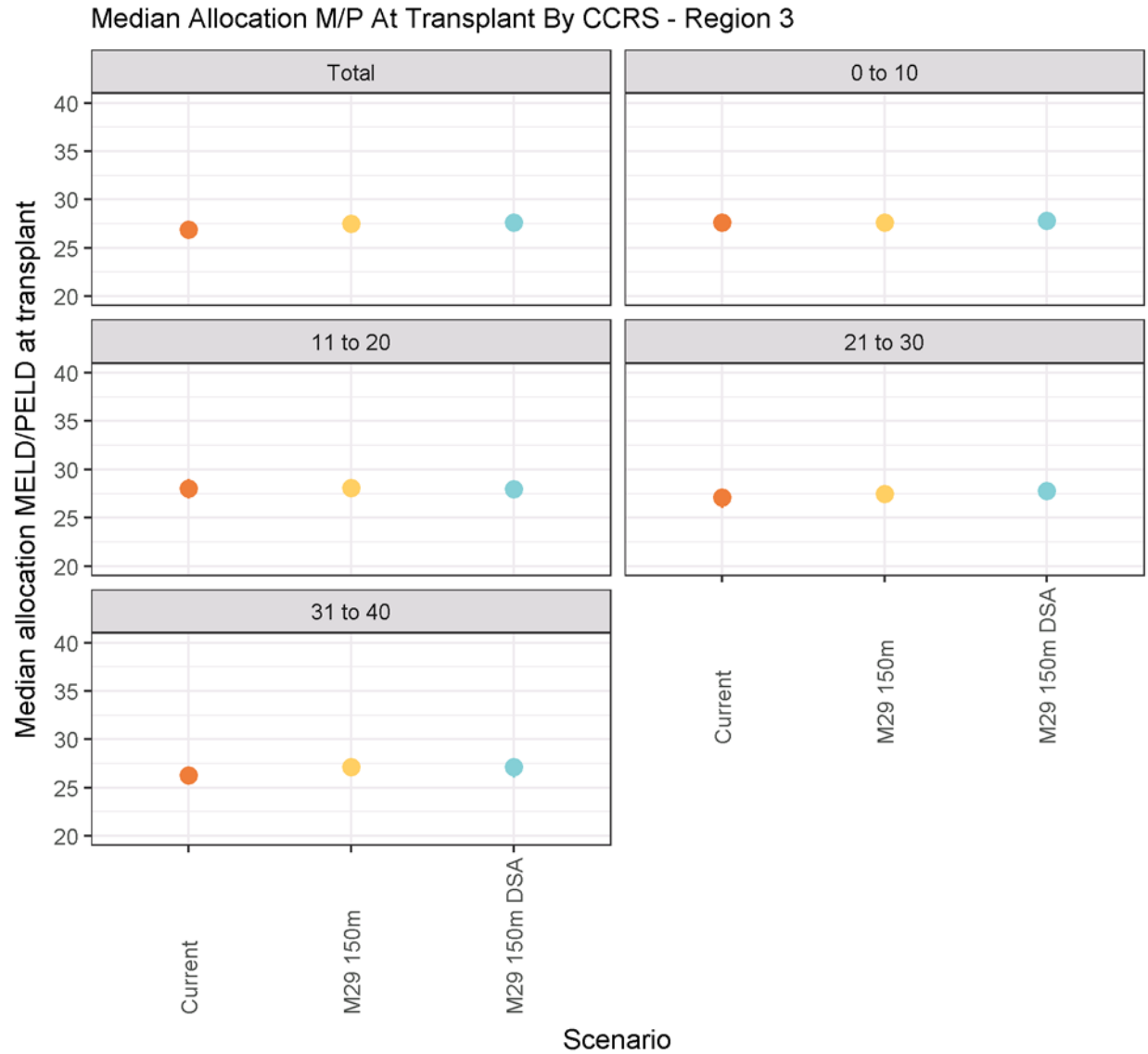


Figure 124 Median allocation MELD/PELD at transplant by CCRS - region 3

Table 124 Median allocation MELD/PELD at transplant by CCRS - region 3

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	26.9 (26,27)	27.6 (27,28)	28 (27,29)	27.1 (26,28)	26.3 (26,27)
M29 150m	27.5 (27,28)	27.6 (27,28)	28.1 (28,29)	27.5 (27,28)	27.1 (27,28)
M29 150m DSA	27.6 (27,28)	27.8 (27,28)	27.9 (27.5,28)	27.8 (27,28)	27.1 (26,28)

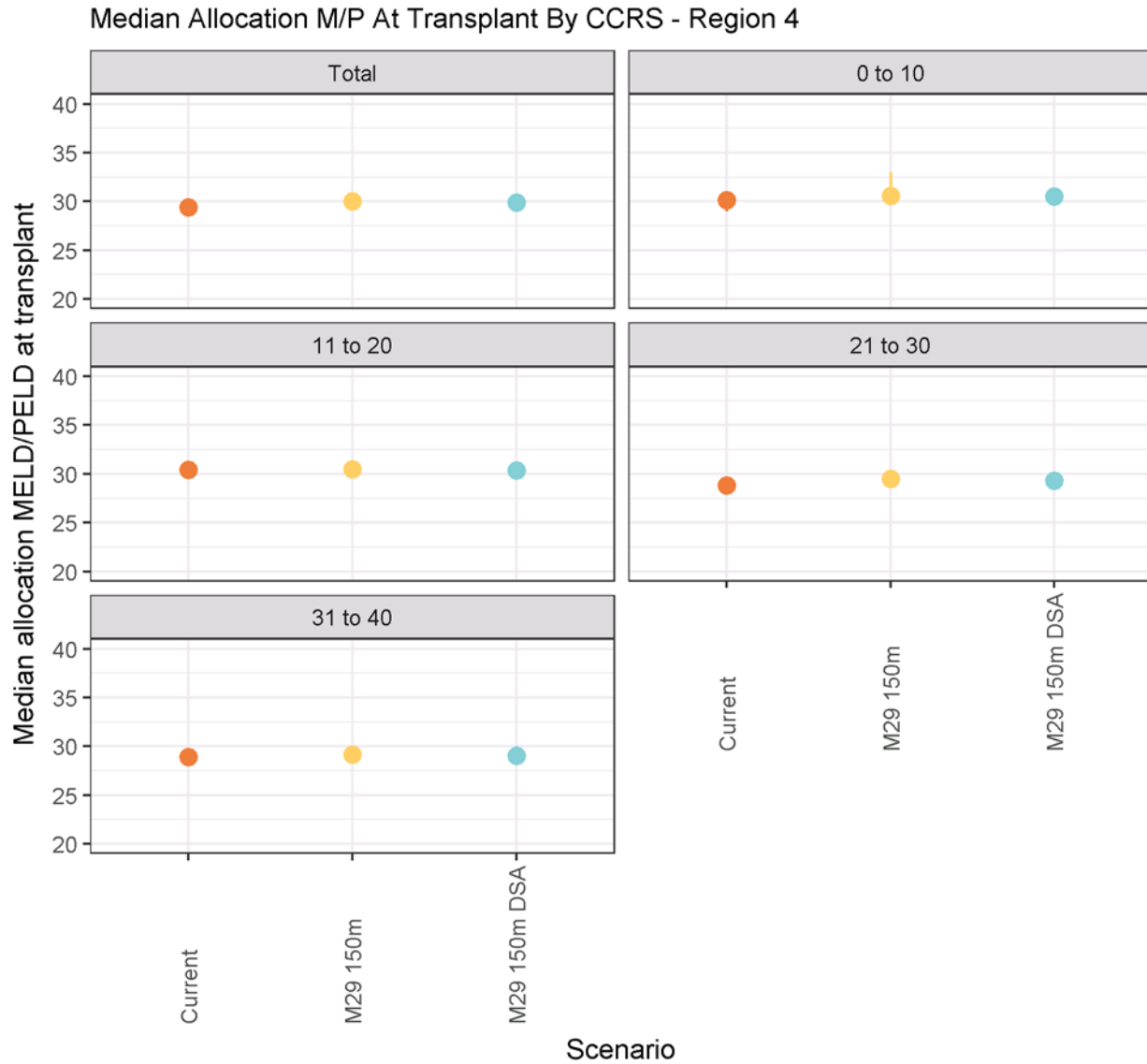


Figure 125 Median allocation MELD/PELD at transplant by CCRS - region 4

Table 125 Median allocation MELD/PELD at transplant by CCRS - region 4

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	29.4 (29,30)	30.1 (29,31)	30.4 (30,31)	28.8 (28,29)	28.9 (28,29)
M29 150m	30 (30,30)	30.6 (30,33)	30.5 (30,31)	29.5 (29,30)	29.1 (29,30)
M29 150m DSA	29.9 (29,30)	30.5 (30,31)	30.4 (30,31)	29.3 (29,30)	29.1 (28.5,30)

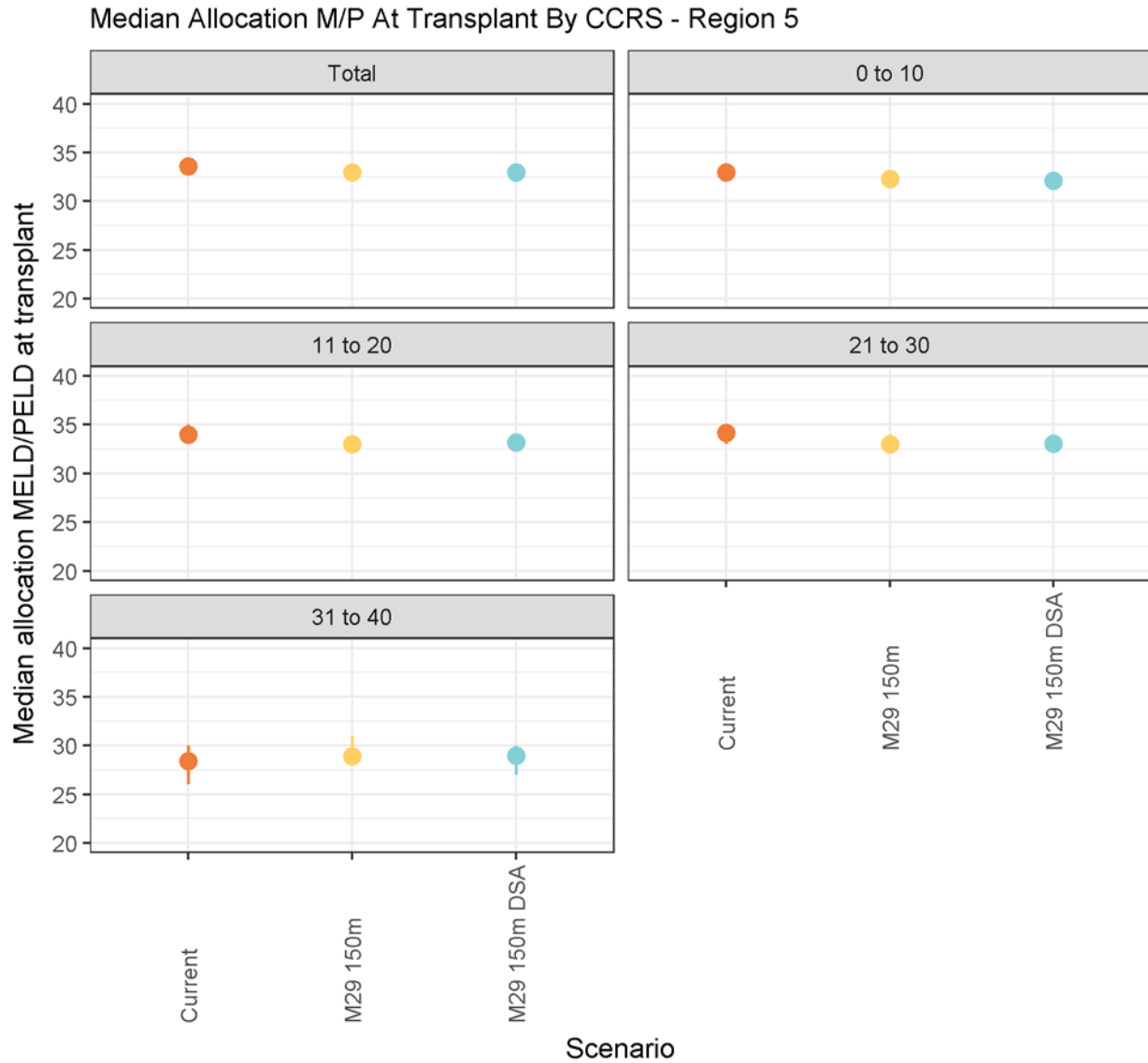


Figure 126 Median allocation MELD/PELD at transplant by CCRS - region 5

Table 126 Median allocation MELD/PELD at transplant by CCRS - region 5

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	33.6 (33,34)	33 (33,33)	34 (33,35)	34.2 (33,35)	28.4 (26,30)
M29 150m	33 (33,33)	32.3 (32,33)	33 (33,33)	33 (32,34)	28.9 (28,31)
M29 150m DSA	33 (33,33)	32.1 (32,33)	33.2 (33,34)	33 (32.5,34)	29 (27,30)

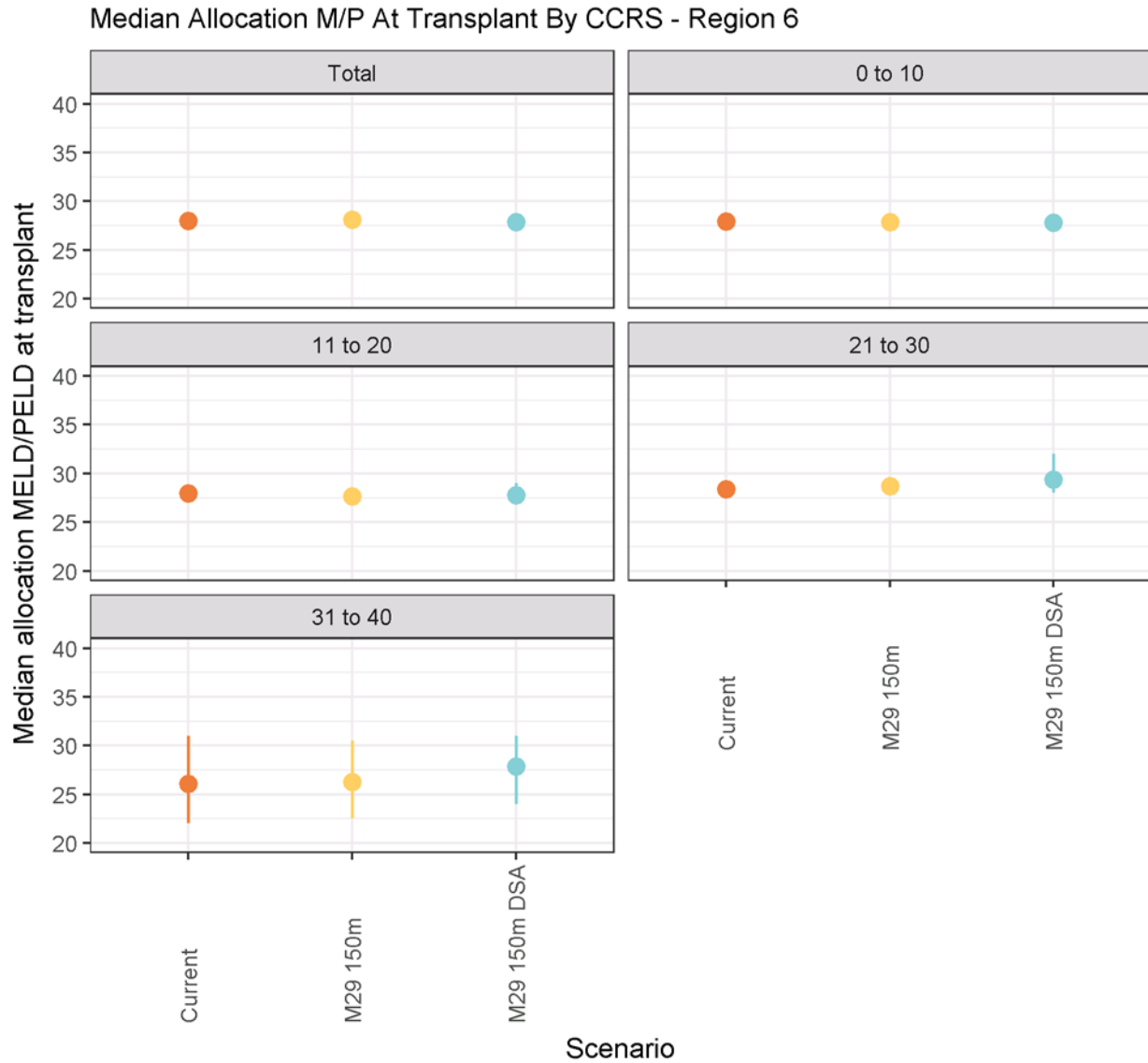


Figure 127 Median allocation MELD/PELD at transplant by CCRS - region 6

Table 127 Median allocation MELD/PELD at transplant by CCRS - region 6

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	28 (28,28)	27.9 (27.5,28)	27.9 (27.5,28)	28.4 (28,29)	26.1 (22,31)
M29 150m	28.1 (28,29)	27.9 (27,28)	27.6 (27,28)	28.7 (28,29.5)	26.2 (22.5,30.5)
M29 150m DSA	27.9 (27,28)	27.8 (27,28.5)	27.8 (27,29)	29.4 (28,32)	27.9 (24,31)

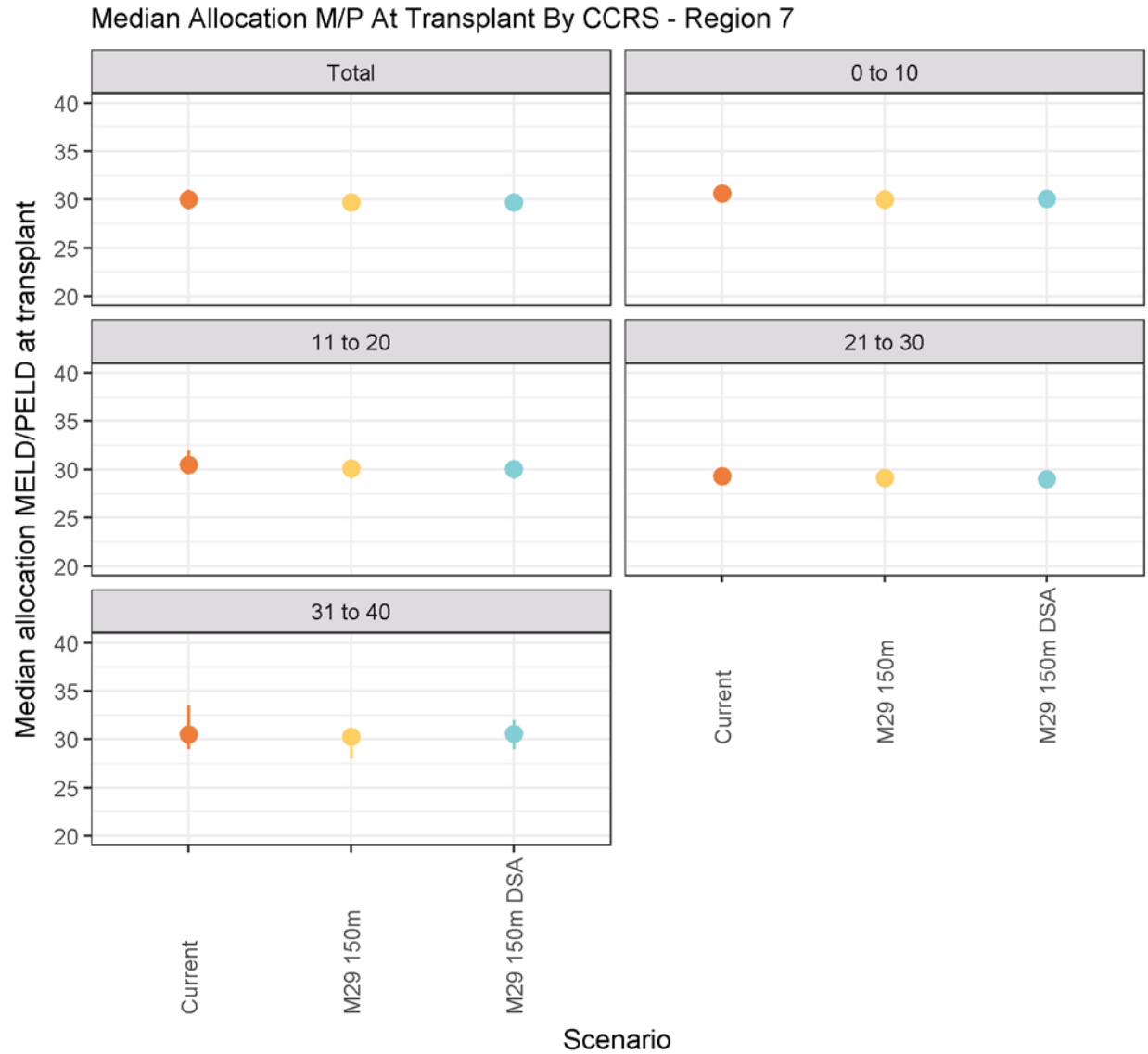


Figure 128 Median allocation MELD/PELD at transplant by CCRS - region 7

Table 128 Median allocation MELD/PELD at transplant by CCRS - region 7

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	30 (29,31)	30.6 (30,31)	30.5 (30,32)	29.3 (29,30)	30.5 (29,33.5)
M29 150m	29.7 (29,30)	30 (29,31)	30.1 (29,31)	29.1 (29,30)	30.2 (28,31)
M29 150m DSA	29.7 (29,30)	30.1 (30,31)	30.1 (29,31)	29 (29,29)	30.6 (29,32)

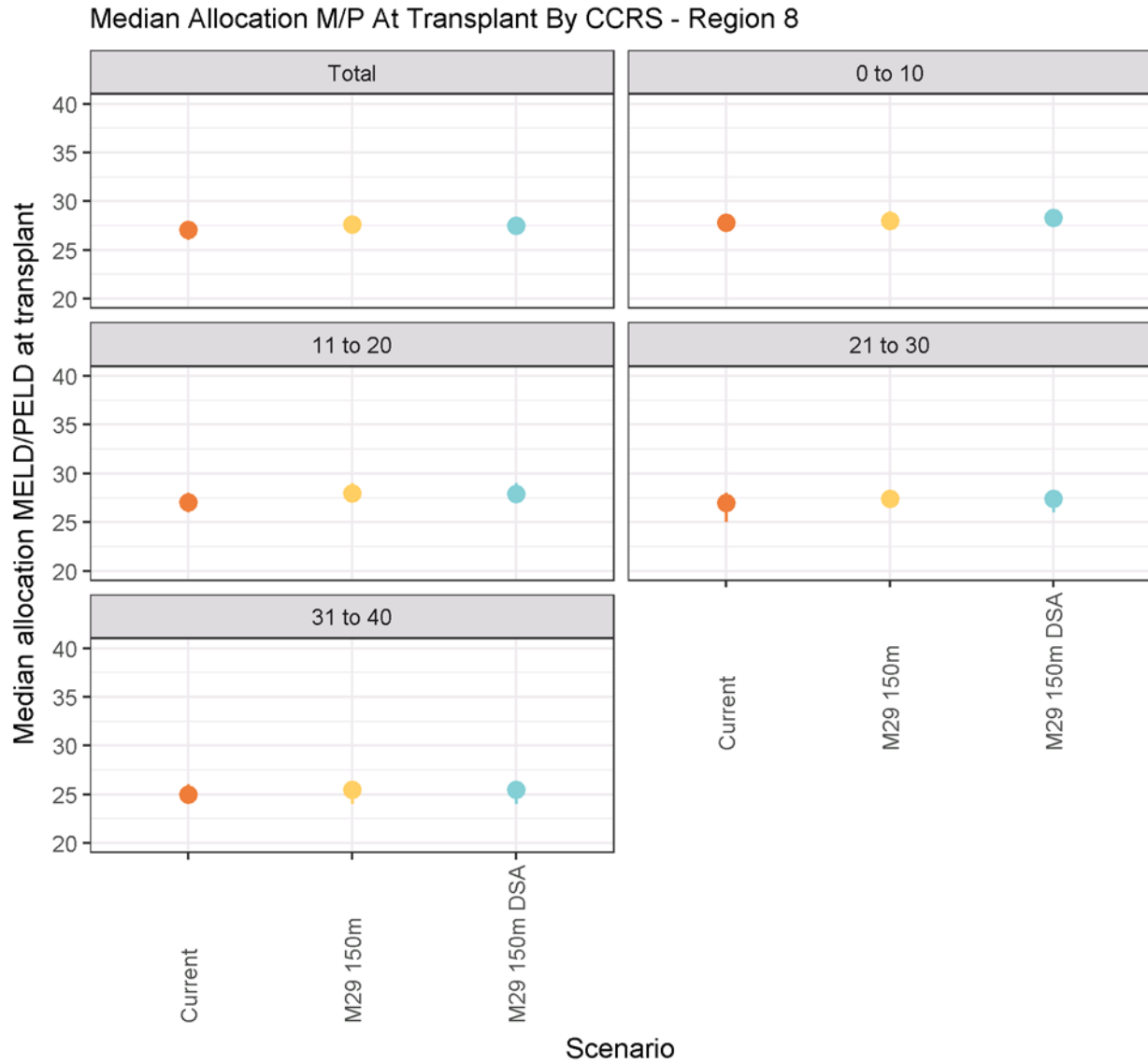


Figure 129 Median allocation MELD/PELD at transplant by CCRS - region 8

Table 129 Median allocation MELD/PELD at transplant by CCRS - region 8

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	27.1 (26,28)	27.8 (27,28)	27.1 (26,28)	27 (25,28)	25 (24,26)
M29 150m	27.6 (27,28)	28 (27,29)	27.9 (27,29)	27.4 (27,28)	25.5 (24,26)
M29 150m DSA	27.5 (27,28)	28.3 (28,29)	27.9 (27,29)	27.4 (26,28)	25.5 (24,26)



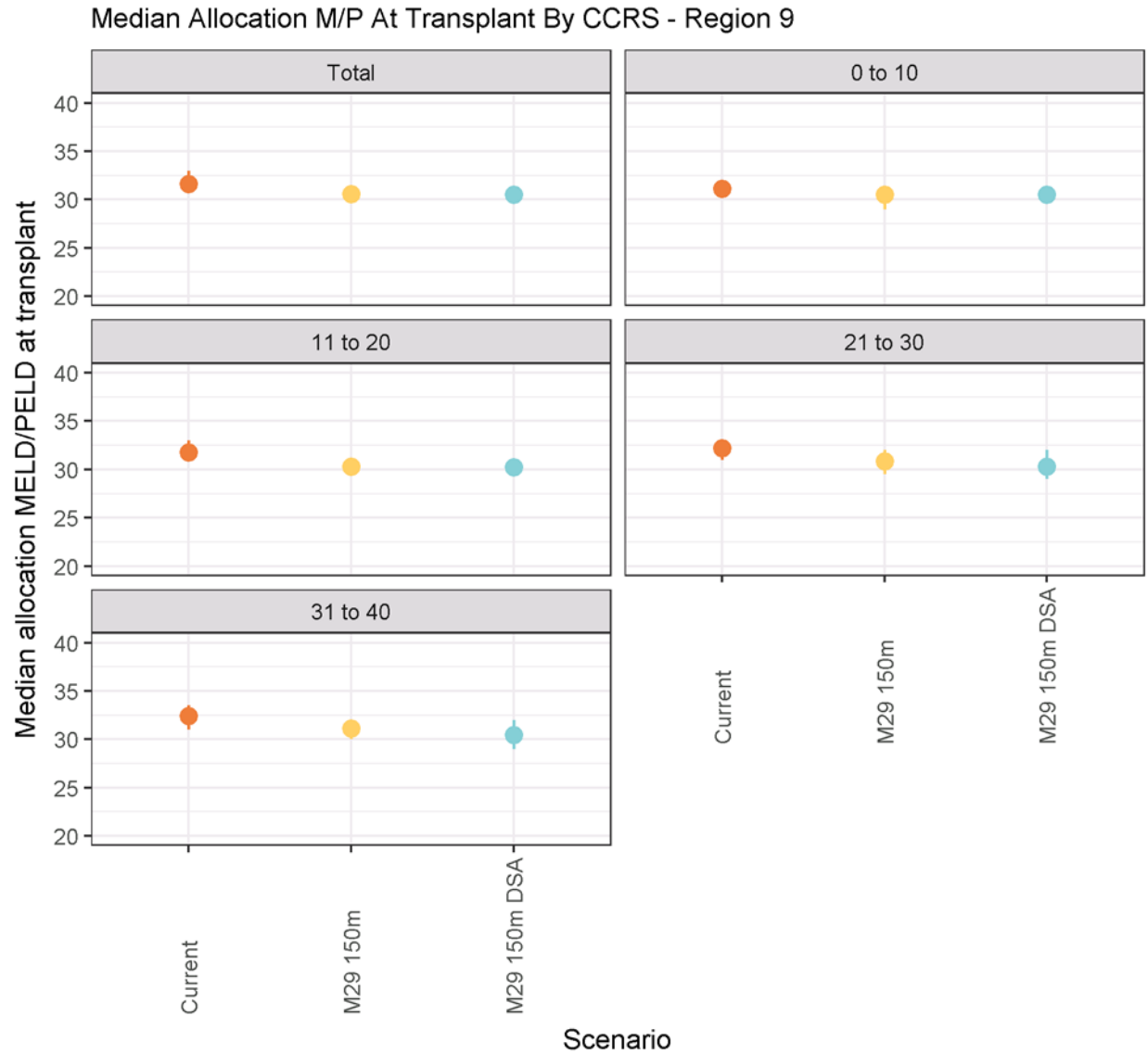


Figure 130 Median allocation MELD/PELD at transplant by CCRS - region 9

Table 130 Median allocation MELD/PELD at transplant by CCRS - region 9

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	31.6 (31,33)	31.1 (31,32)	31.8 (31,33)	32.2 (31,33)	32.4 (31,33.5)
M29 150m	30.6 (30,31)	30.5 (29,31)	30.3 (30,31)	30.9 (29.5,32)	31.1 (30,32)
M29 150m DSA	30.5 (30,31)	30.5 (30,31)	30.2 (29.5,31)	30.3 (29,32)	30.4 (29,32)

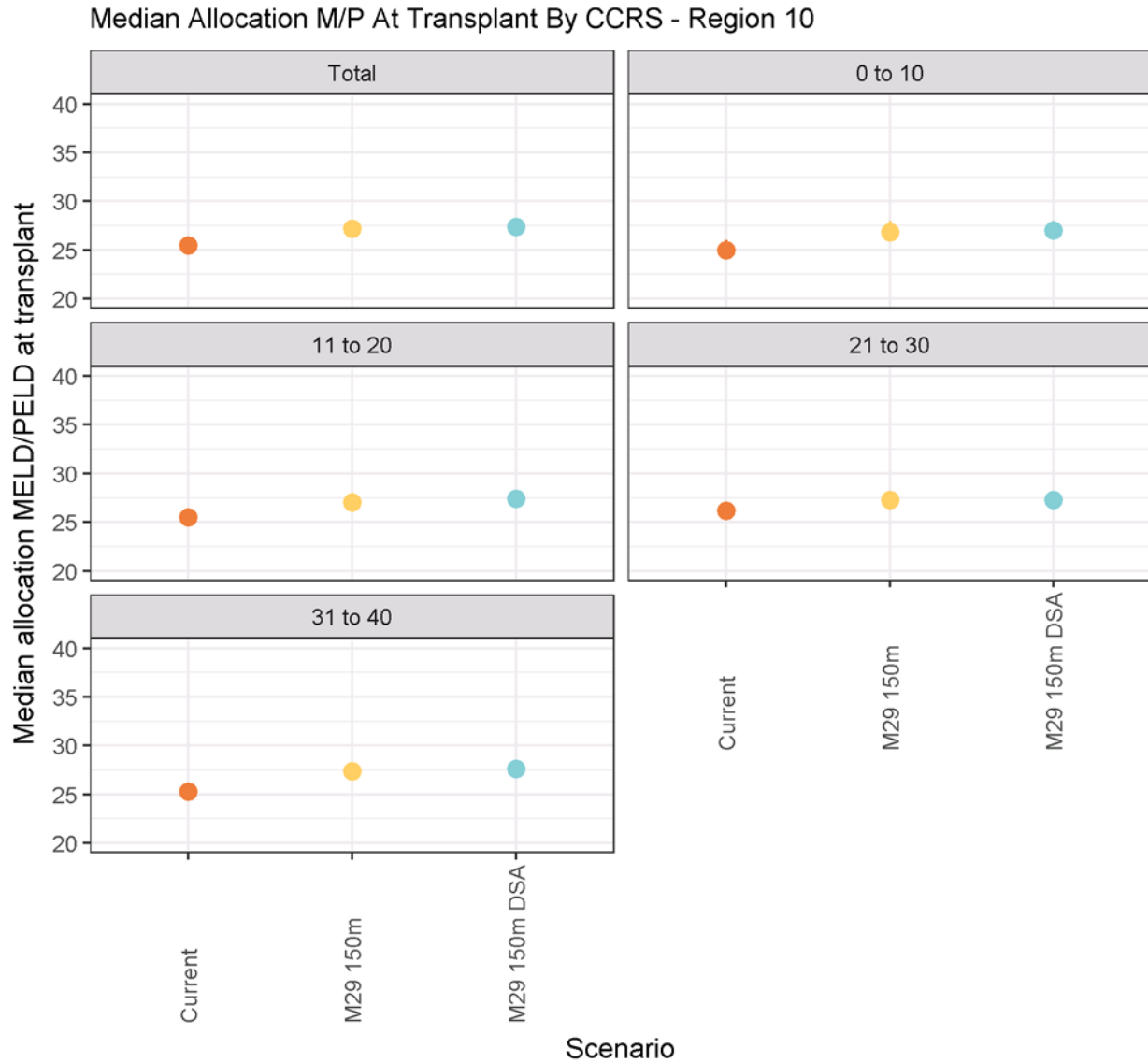


Figure 131 Median allocation MELD/PELD at transplant by CCRS - region 10

Table 131 Median allocation MELD/PELD at transplant by CCRS - region 10

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	25.5 (25,26)	25 (24,26)	25.5 (25,26)	26.2 (26,27)	25.3 (25,26)
M29 150m	27.2 (27,28)	26.9 (26,28)	27.1 (26,28)	27.3 (27,28)	27.4 (27,28)
M29 150m DSA	27.4 (27,28)	27 (26,28)	27.4 (27,28)	27.3 (27,28)	27.6 (27,28)

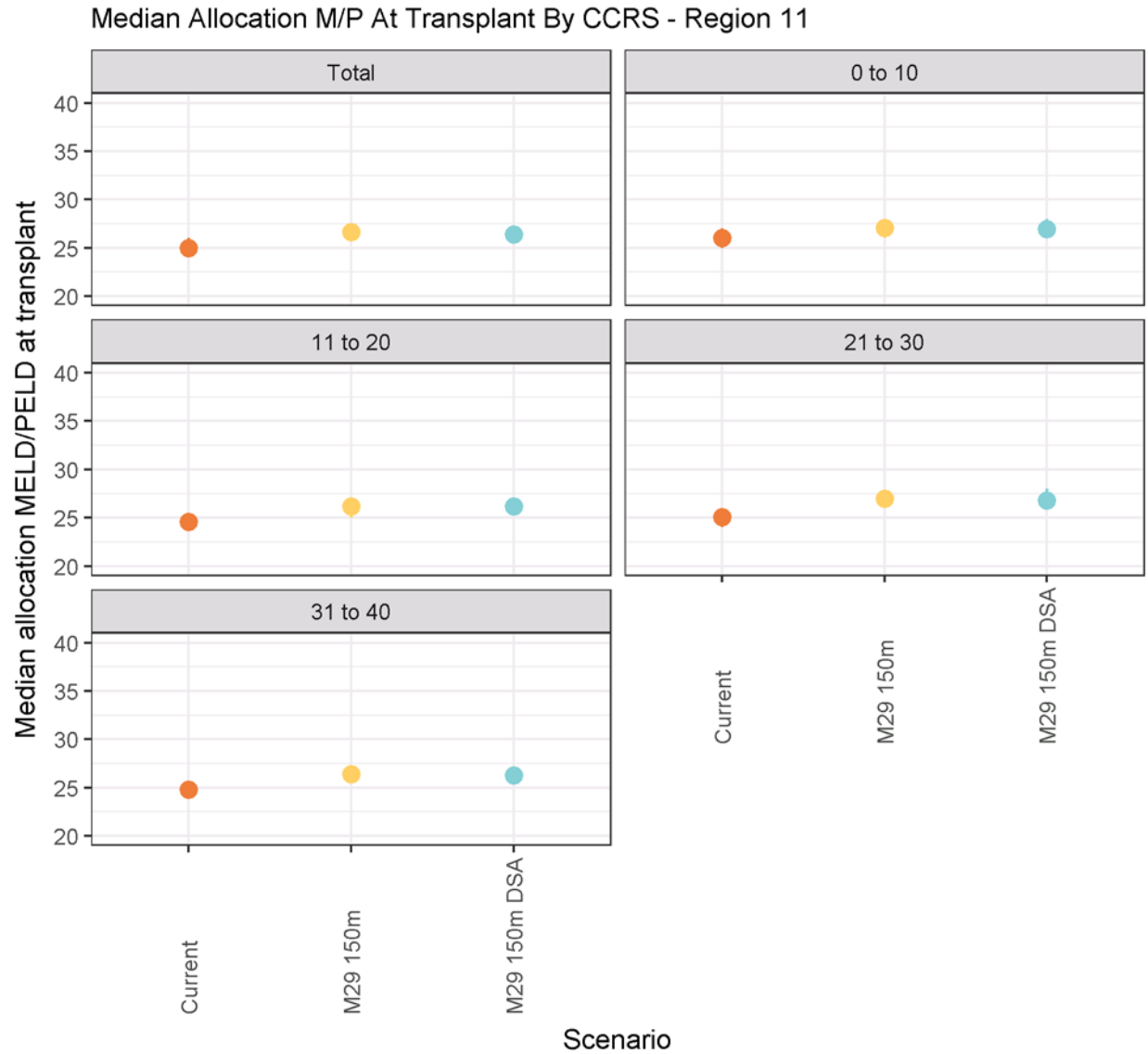


Figure 132 Median allocation MELD/PELD at transplant by CCRS - region 11

Table 132 Median allocation MELD/PELD at transplant by CCRS - region 11

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	25 (24,26)	26.1 (25,27)	24.6 (24,25)	25.1 (24,26)	24.8 (24,25)
M29 150m	26.6 (26,27)	27.1 (26,28)	26.2 (25,27)	26.9 (26,27.5)	26.4 (26,27)
M29 150m DSA	26.4 (26,27)	26.9 (26,28)	26.1 (26,27)	26.8 (26,28)	26.3 (26,27)

Transplant

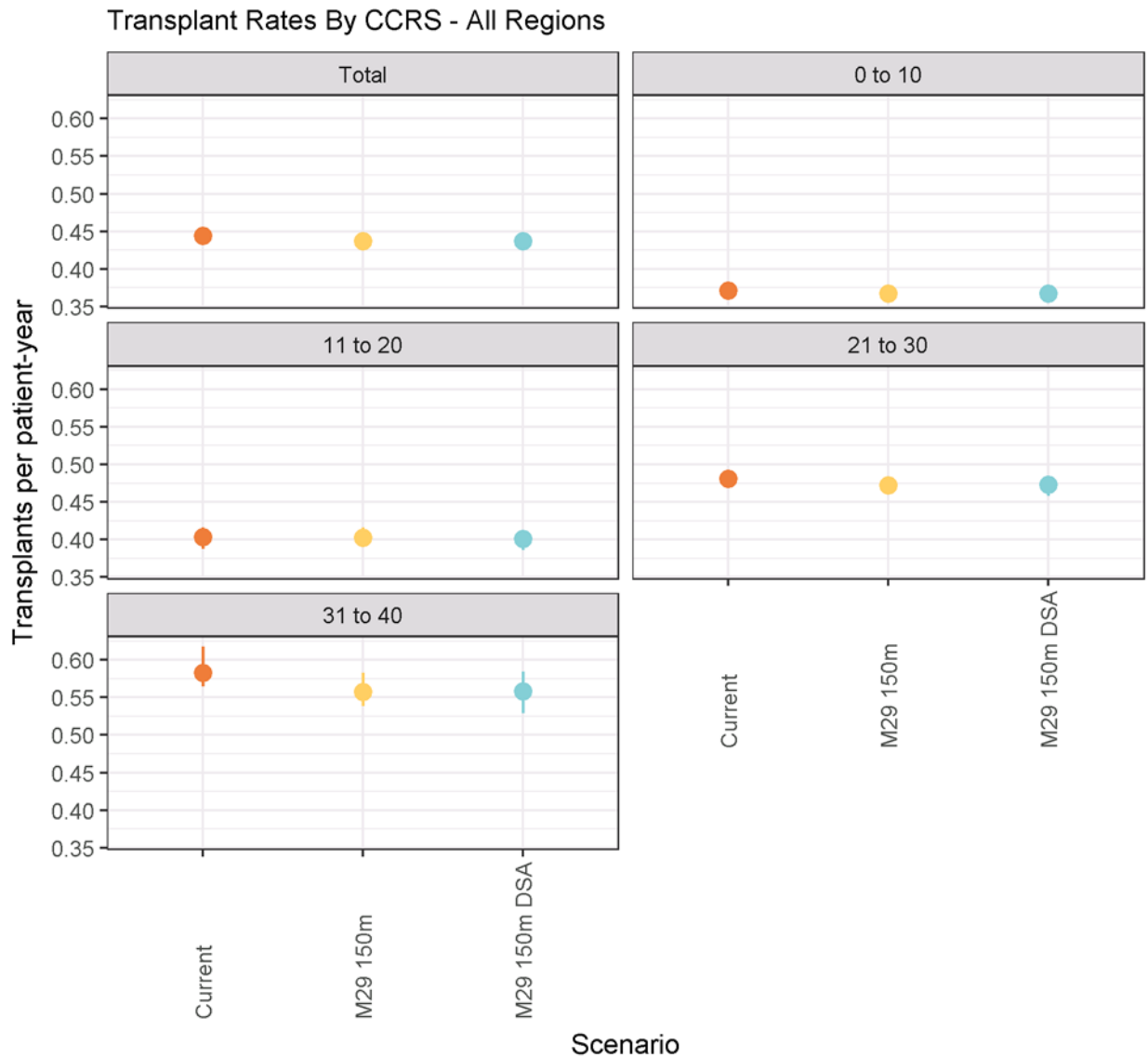


Figure 133 Transplant rates by CCRS - all regions

Table 133 Transplant rates by CCRS - all regions

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.444 (0.436,0.452)	0.371 (0.362,0.377)	0.404 (0.388,0.416)	0.481 (0.469,0.49)	0.583 (0.564,0.618)
M29 150m	0.437 (0.429,0.446)	0.367 (0.36,0.374)	0.403 (0.392,0.416)	0.473 (0.462,0.482)	0.558 (0.539,0.583)
M29 150m DSA	0.437 (0.431,0.445)	0.368 (0.361,0.376)	0.401 (0.386,0.408)	0.473 (0.458,0.484)	0.558 (0.529,0.585)

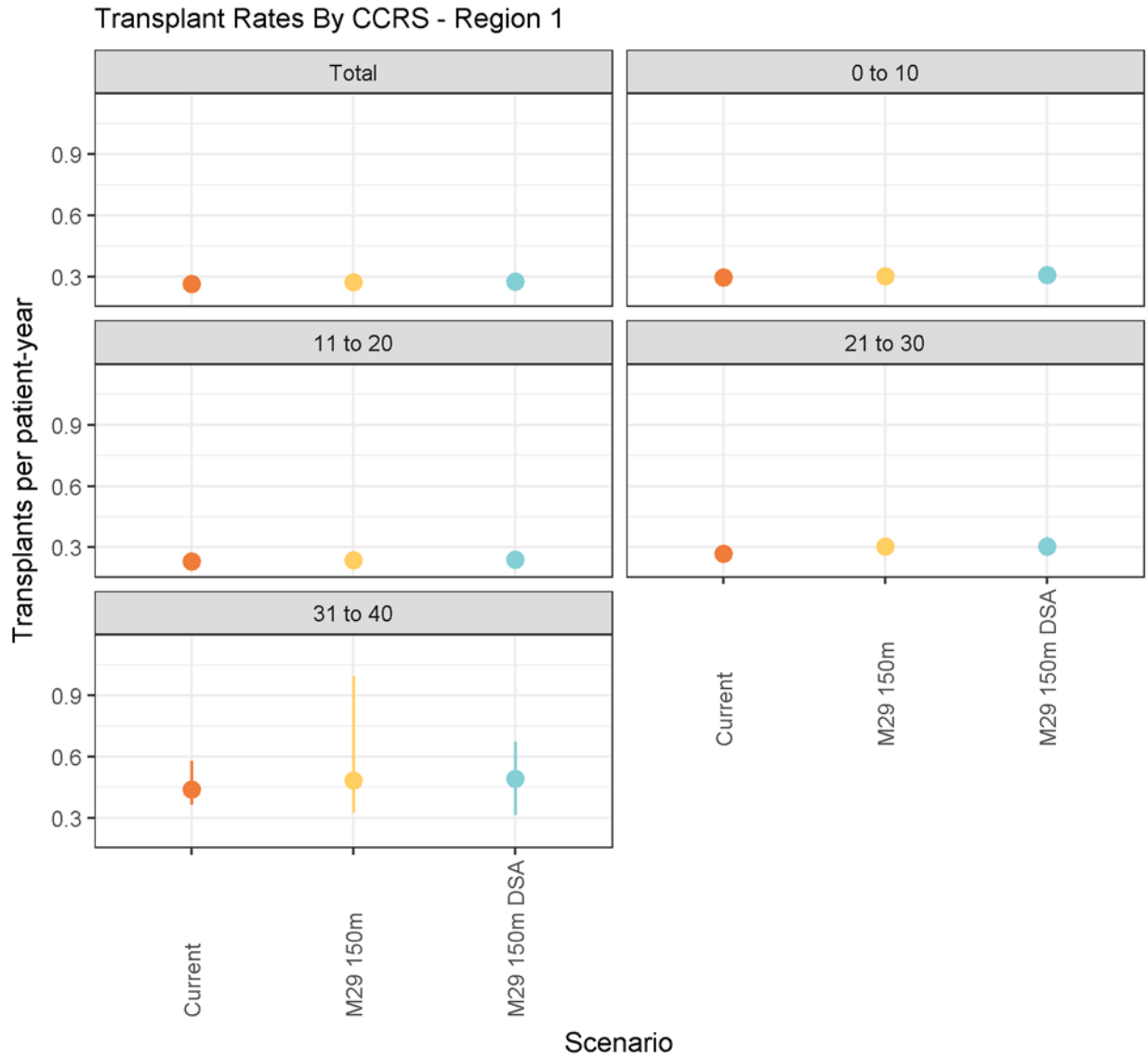


Figure 134 Transplant rates by CCRS - region 1

Table 134 Transplant rates by CCRS - region 1

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.263 (0.252,0.282)	0.296 (0.28,0.321)	0.232 (0.221,0.252)	0.268 (0.233,0.305)	0.441 (0.363,0.58)
M29 150m	0.273 (0.264,0.291)	0.302 (0.284,0.32)	0.237 (0.228,0.249)	0.304 (0.263,0.344)	0.483 (0.327,0.994)
M29 150m DSA	0.276 (0.266,0.288)	0.307 (0.288,0.327)	0.238 (0.221,0.253)	0.304 (0.265,0.349)	0.492 (0.315,0.673)

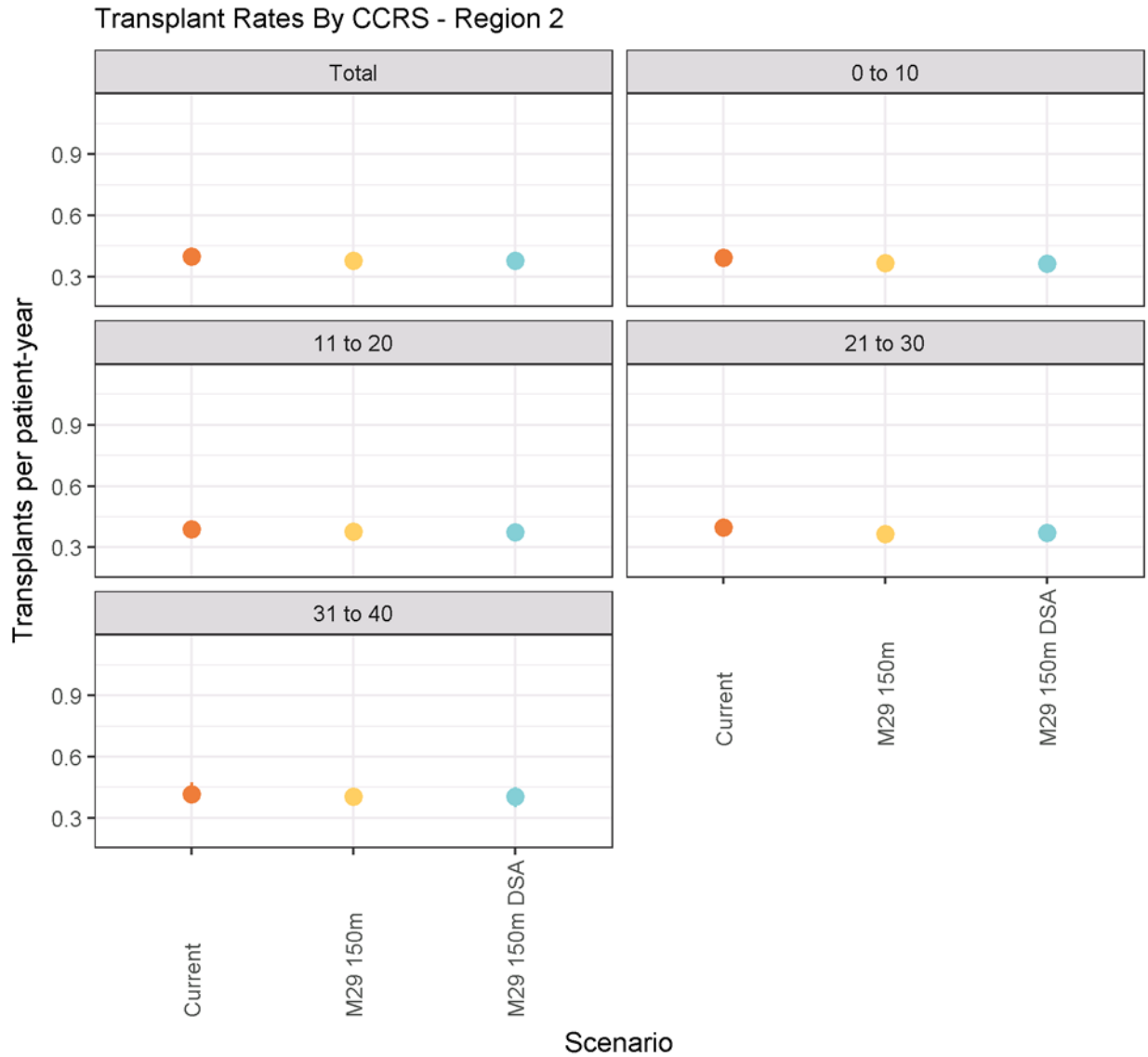


Figure 135 Transplant rates by CCRS - region 2

Table 135 Transplant rates by CCRS - region 2

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.398 (0.377,0.415)	0.393 (0.37,0.423)	0.388 (0.366,0.428)	0.397 (0.367,0.418)	0.417 (0.391,0.476)
M29 150m	0.378 (0.371,0.388)	0.368 (0.332,0.407)	0.378 (0.357,0.403)	0.366 (0.347,0.382)	0.406 (0.363,0.447)
M29 150m DSA	0.378 (0.366,0.385)	0.364 (0.339,0.397)	0.375 (0.344,0.406)	0.371 (0.358,0.395)	0.404 (0.353,0.451)

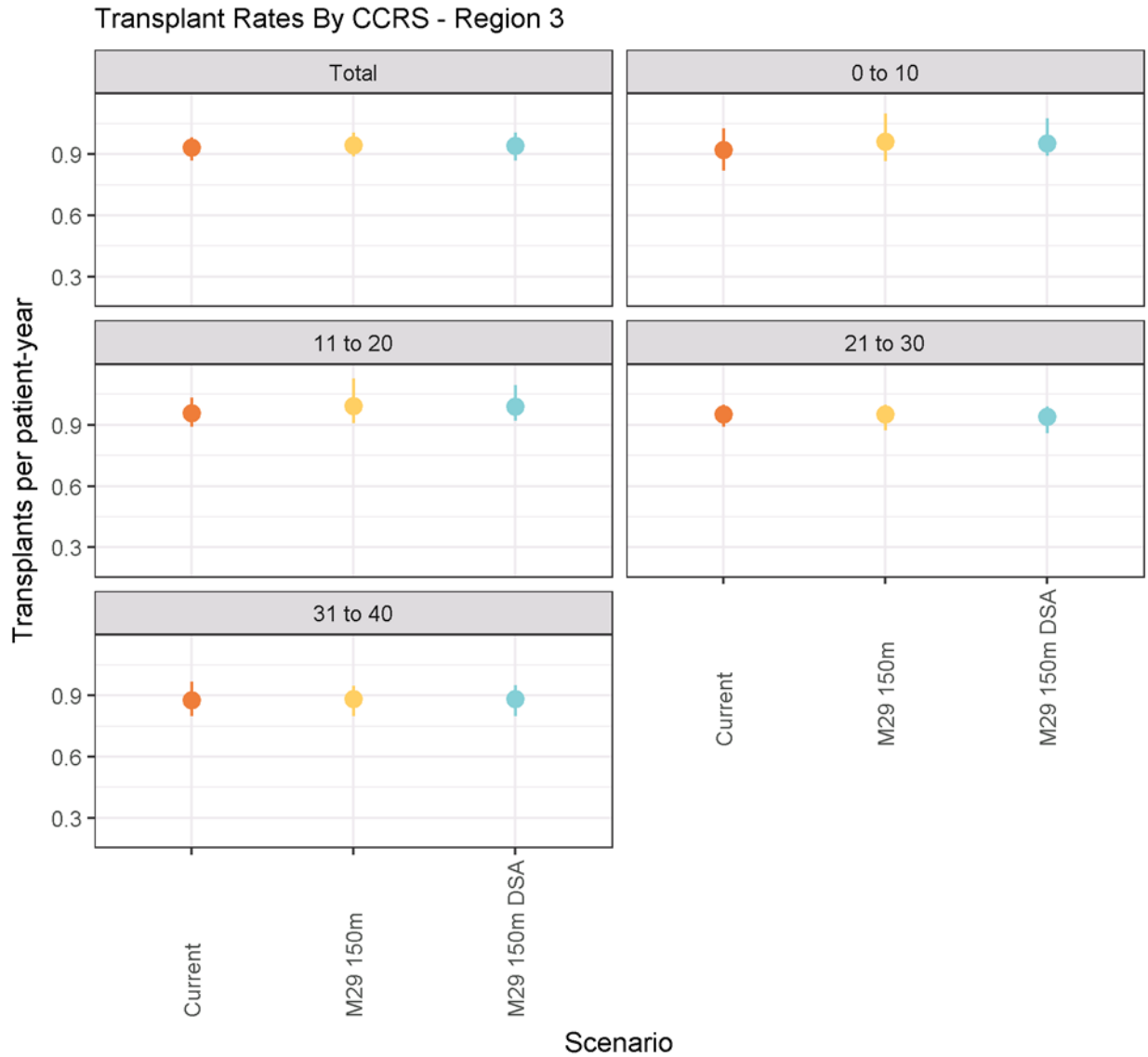


Figure 136 Transplant rates by CCRS - region 3

Table 136 Transplant rates by CCRS - region 3

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.934 (0.87,0.981)	0.921 (0.82,1.028)	0.959 (0.89,1.035)	0.95 (0.889,0.997)	0.878 (0.798,0.967)
M29 150m	0.946 (0.888,1.006)	0.961 (0.867,1.098)	0.993 (0.909,1.126)	0.951 (0.873,0.999)	0.885 (0.799,0.948)
M29 150m DSA	0.942 (0.868,1.007)	0.955 (0.891,1.076)	0.99 (0.921,1.094)	0.939 (0.857,0.989)	0.885 (0.797,0.95)

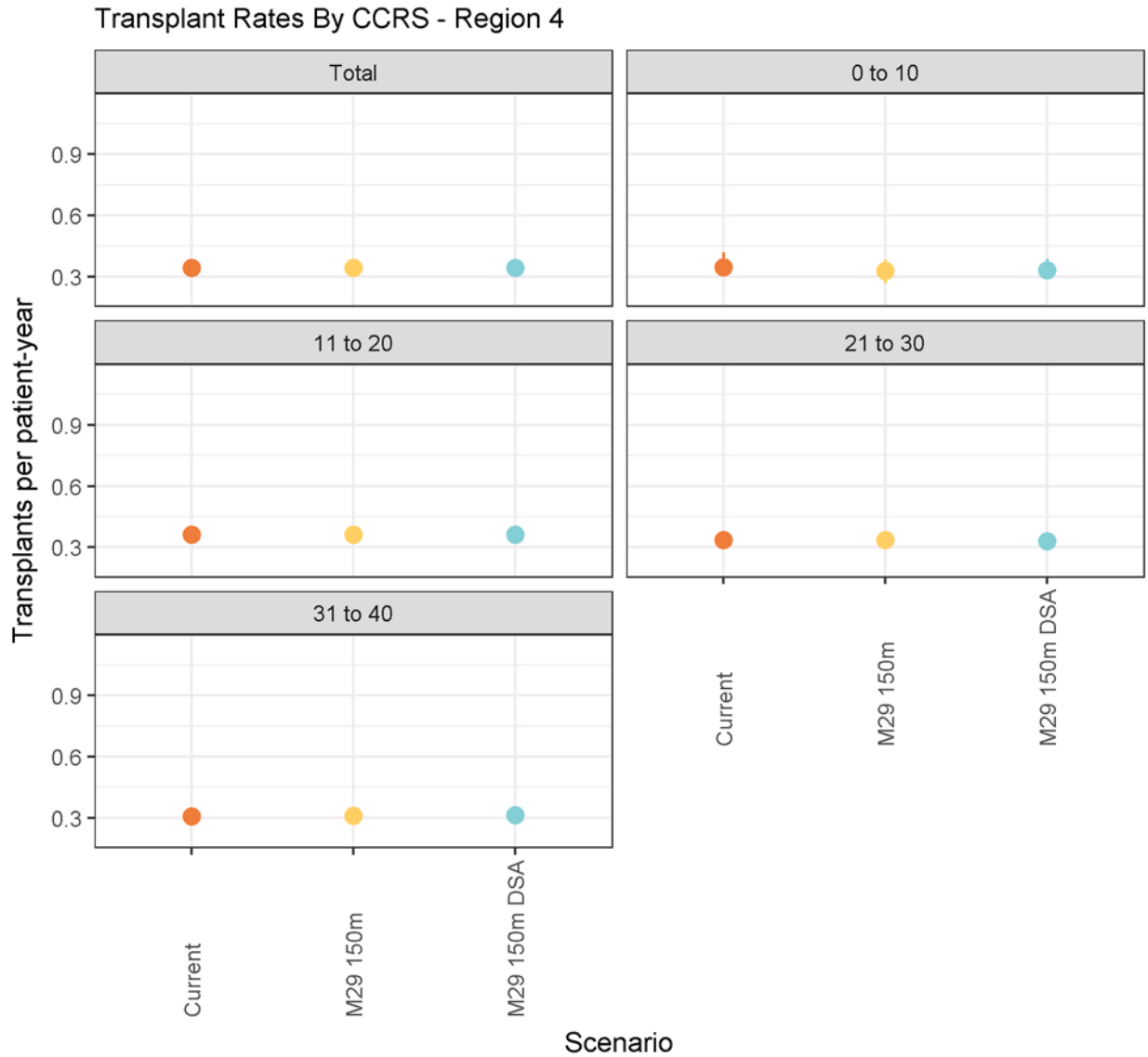


Figure 137 Transplant rates by CCRS - region 4

Table 137 Transplant rates by CCRS - region 4

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.344 (0.335,0.356)	0.346 (0.303,0.419)	0.362 (0.337,0.392)	0.335 (0.318,0.348)	0.308 (0.285,0.344)
M29 150m	0.343 (0.327,0.36)	0.328 (0.269,0.384)	0.361 (0.338,0.379)	0.336 (0.308,0.356)	0.31 (0.287,0.339)
M29 150m DSA	0.343 (0.332,0.356)	0.333 (0.31,0.388)	0.362 (0.345,0.387)	0.331 (0.315,0.356)	0.314 (0.295,0.336)



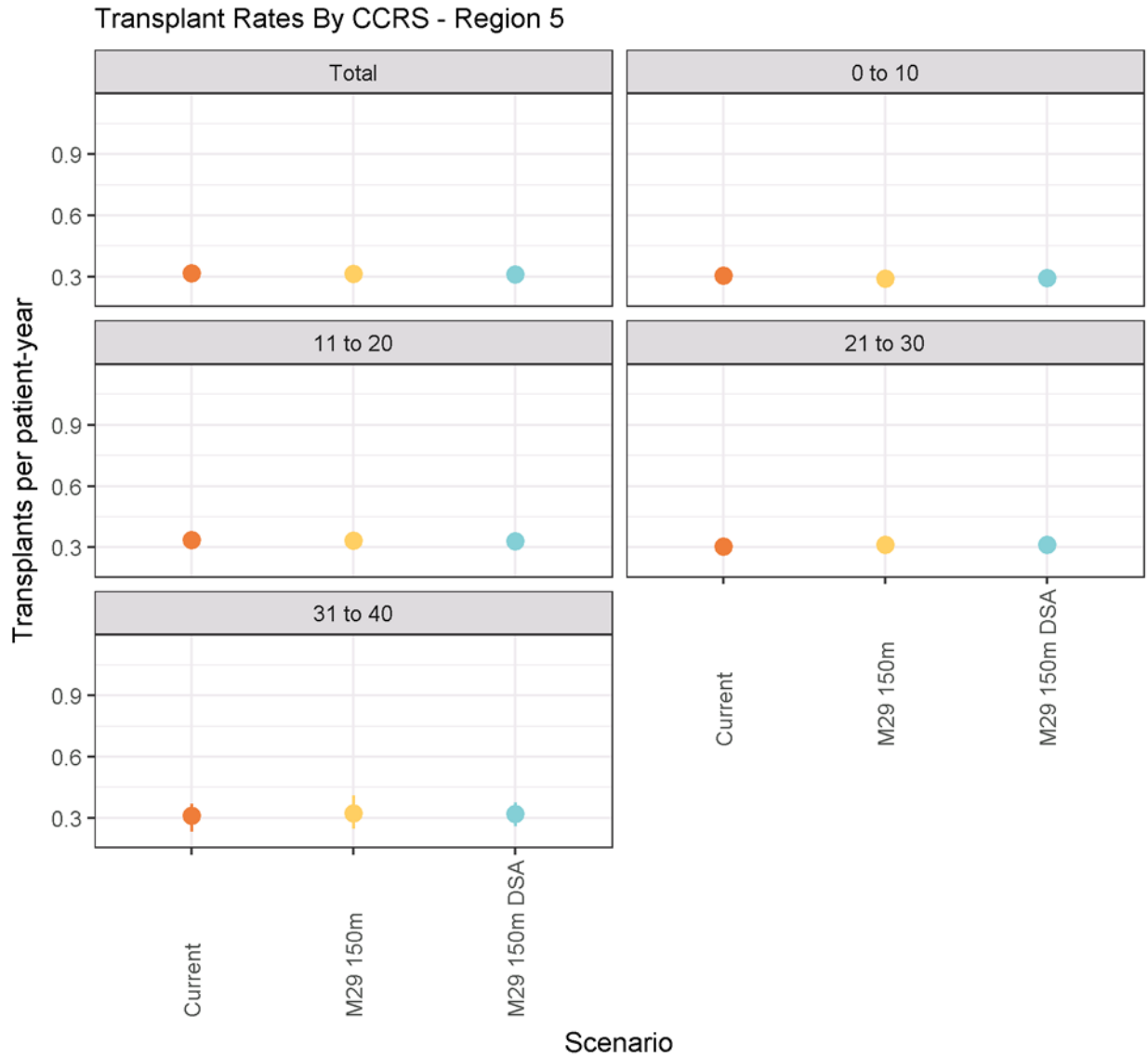


Figure 138 Transplant rates by CCRS - region 5

Table 138 Transplant rates by CCRS - region 5

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.318 (0.305,0.325)	0.306 (0.293,0.318)	0.336 (0.316,0.355)	0.303 (0.292,0.315)	0.31 (0.231,0.369)
M29 150m	0.313 (0.3,0.319)	0.29 (0.282,0.299)	0.334 (0.32,0.346)	0.311 (0.292,0.326)	0.324 (0.247,0.411)
M29 150m DSA	0.312 (0.303,0.317)	0.293 (0.282,0.305)	0.329 (0.319,0.343)	0.312 (0.281,0.329)	0.321 (0.259,0.374)

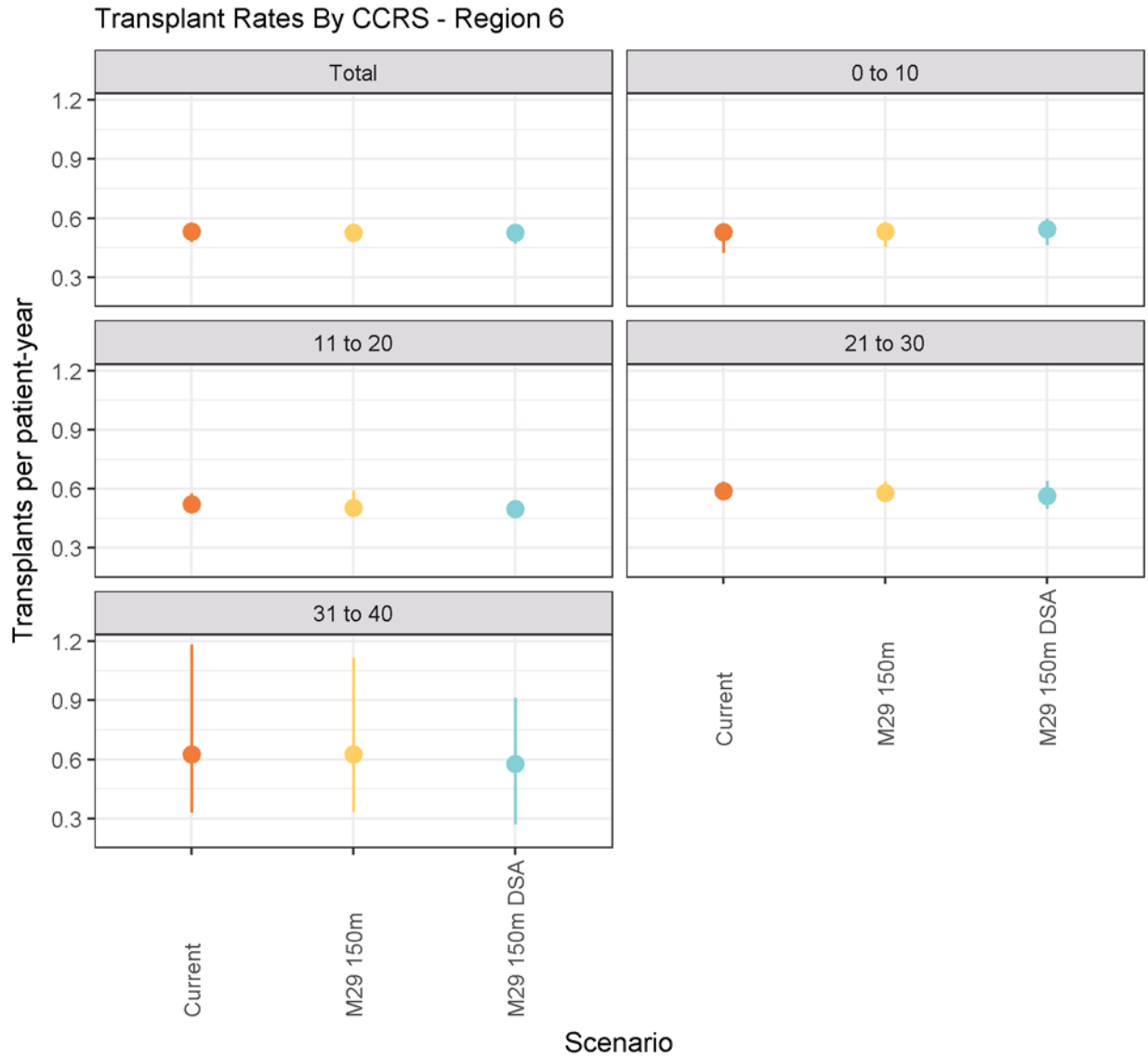


Figure 139 Transplant rates by CCRS - region 6

Table 139 Transplant rates by CCRS - region 6

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.533 (0.477,0.558)	0.529 (0.425,0.572)	0.523 (0.494,0.576)	0.588 (0.563,0.638)	0.625 (0.33,1.183)
M29 150m	0.526 (0.486,0.568)	0.533 (0.455,0.58)	0.505 (0.463,0.591)	0.581 (0.537,0.638)	0.627 (0.334,1.117)
M29 150m DSA	0.525 (0.471,0.57)	0.544 (0.464,0.599)	0.499 (0.468,0.528)	0.563 (0.499,0.64)	0.577 (0.269,0.914)

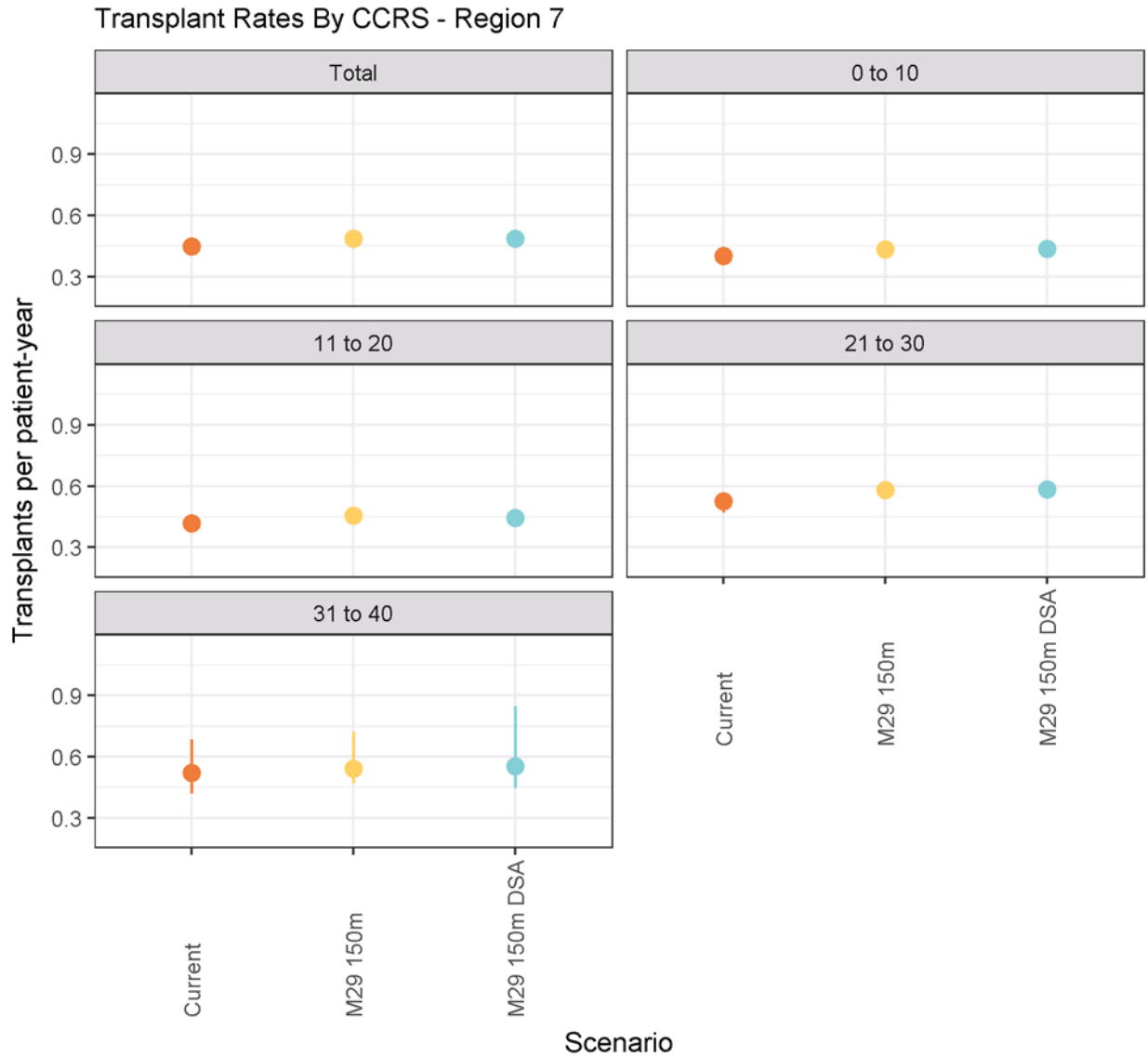


Figure 140 Transplant rates by CCRS - region 7

Table 140 Transplant rates by CCRS - region 7

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.447 (0.43,0.47)	0.4 (0.375,0.433)	0.417 (0.38,0.455)	0.527 (0.469,0.565)	0.523 (0.419,0.686)
M29 150m	0.487 (0.474,0.514)	0.433 (0.4,0.465)	0.456 (0.423,0.498)	0.581 (0.546,0.62)	0.541 (0.469,0.721)
M29 150m DSA	0.486 (0.475,0.511)	0.436 (0.416,0.467)	0.445 (0.414,0.474)	0.583 (0.536,0.628)	0.554 (0.445,0.849)

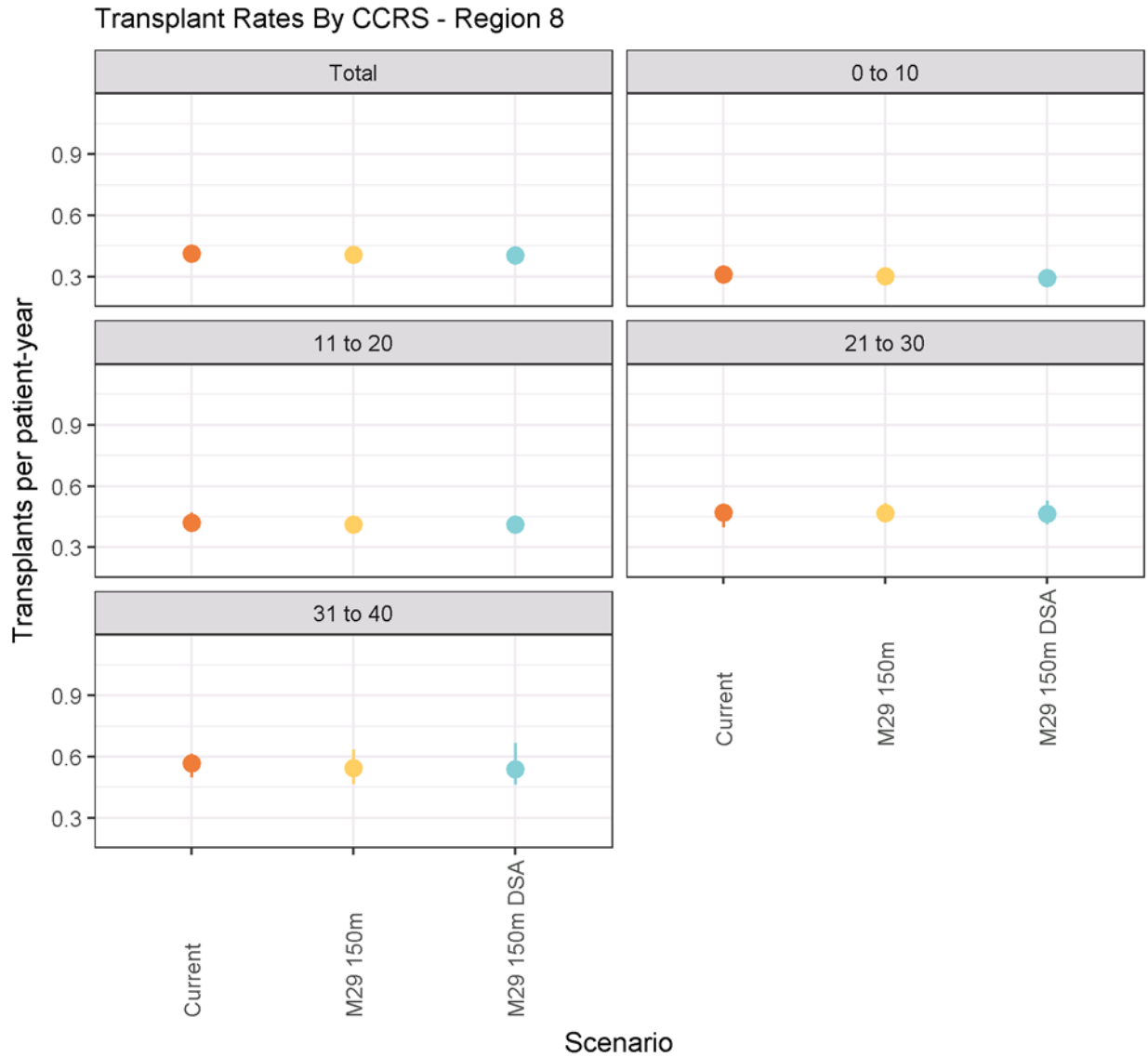


Figure 141 Transplant rates by CCRS - region 8

Table 141 Transplant rates by CCRS - region 8

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.414 (0.391,0.44)	0.31 (0.287,0.334)	0.419 (0.383,0.47)	0.47 (0.397,0.506)	0.568 (0.499,0.615)
M29 150m	0.408 (0.386,0.426)	0.302 (0.288,0.32)	0.412 (0.382,0.453)	0.466 (0.431,0.518)	0.545 (0.466,0.636)
M29 150m DSA	0.404 (0.376,0.428)	0.293 (0.257,0.317)	0.413 (0.378,0.455)	0.466 (0.412,0.53)	0.537 (0.463,0.668)

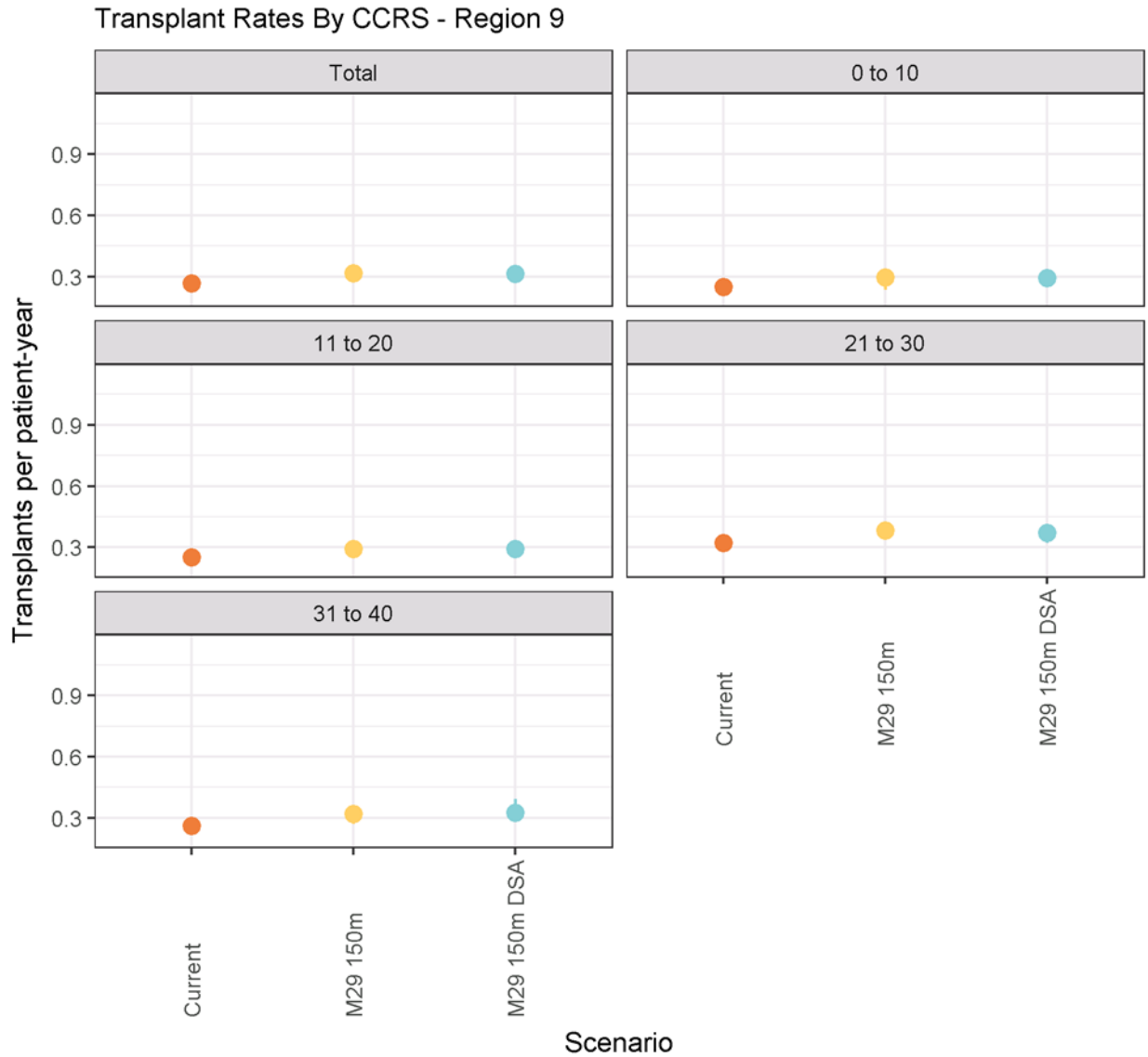


Figure 142 Transplant rates by CCRS - region 9

Table 142 Transplant rates by CCRS - region 9

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.268 (0.253,0.283)	0.249 (0.228,0.265)	0.252 (0.229,0.265)	0.321 (0.294,0.344)	0.261 (0.216,0.299)
M29 150m	0.316 (0.297,0.334)	0.296 (0.237,0.321)	0.292 (0.282,0.305)	0.383 (0.341,0.425)	0.321 (0.27,0.364)
M29 150m DSA	0.315 (0.294,0.325)	0.293 (0.267,0.312)	0.293 (0.279,0.301)	0.372 (0.321,0.415)	0.326 (0.287,0.391)

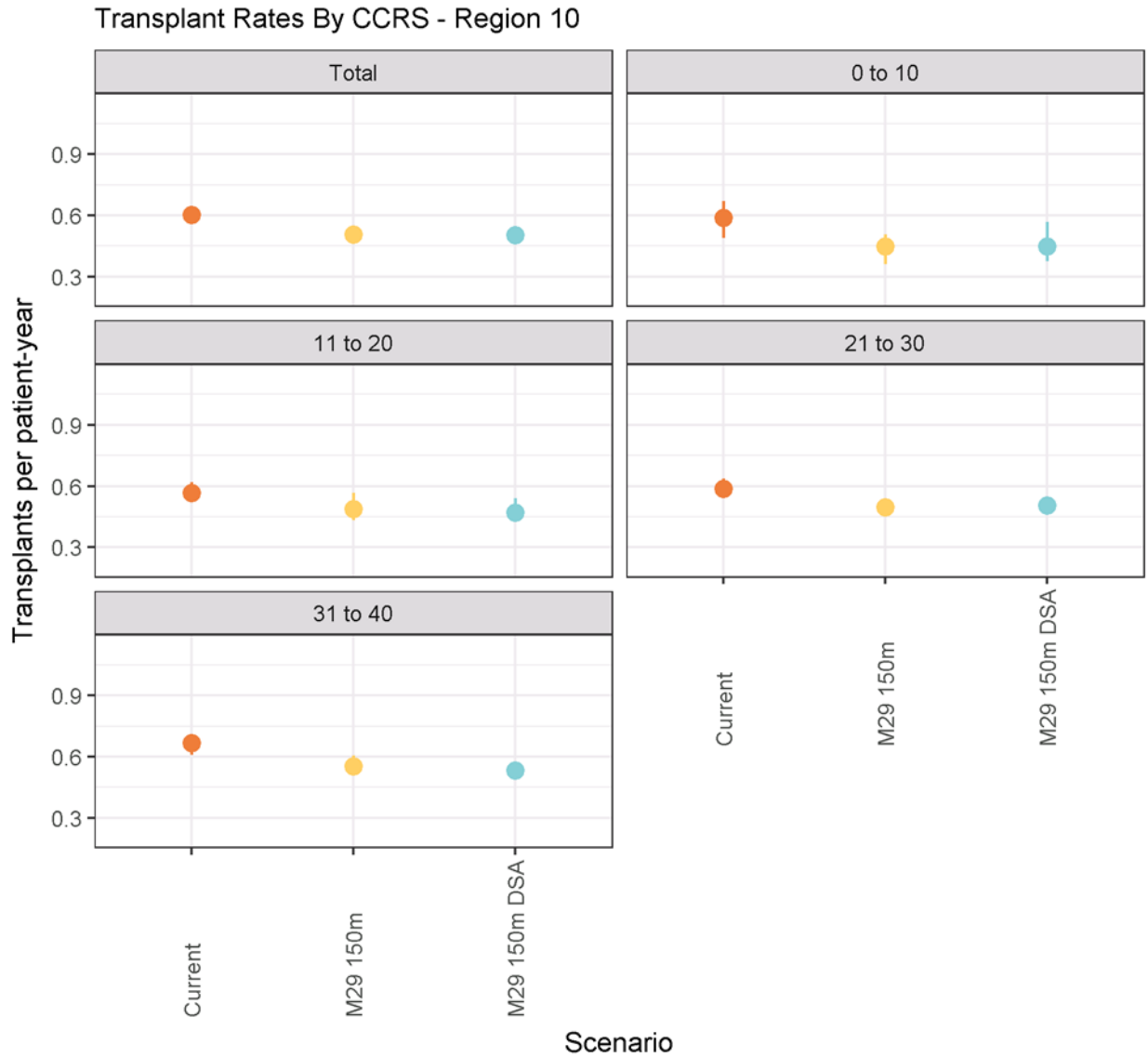


Figure 143 Transplant rates by CCRS - region 10

Table 143 Transplant rates by CCRS - region 10

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.604 (0.589,0.624)	0.587 (0.488,0.671)	0.566 (0.536,0.619)	0.586 (0.558,0.637)	0.668 (0.608,0.695)
M29 150m	0.507 (0.485,0.527)	0.45 (0.361,0.506)	0.487 (0.433,0.567)	0.497 (0.471,0.534)	0.554 (0.521,0.605)
M29 150m DSA	0.502 (0.485,0.521)	0.449 (0.376,0.568)	0.47 (0.431,0.541)	0.506 (0.465,0.536)	0.533 (0.492,0.566)

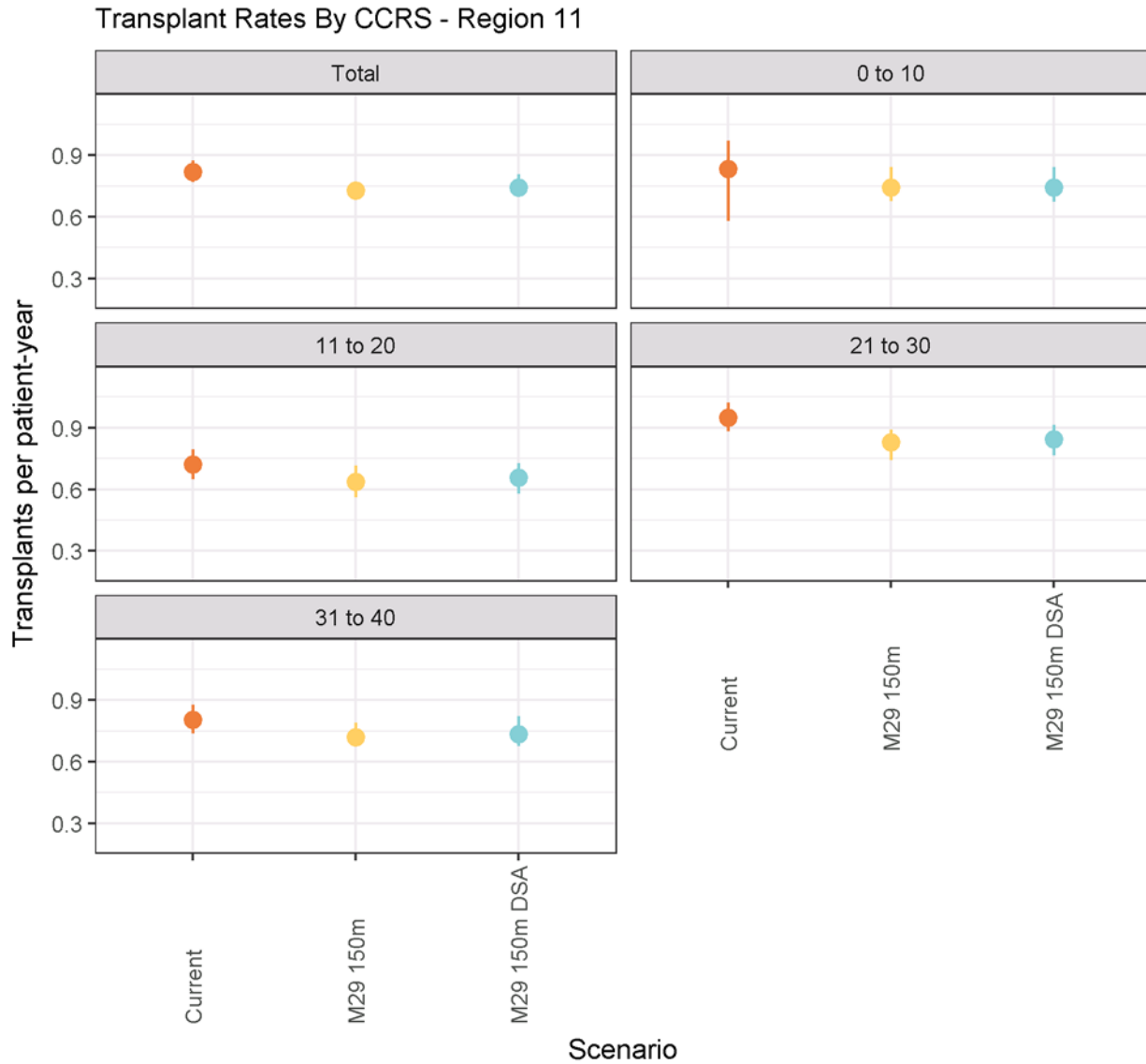


Figure 144 Transplant rates by CCRS - region 11

Table 144 Transplant rates by CCRS - region 11

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.821 (0.769,0.875)	0.834 (0.581,0.97)	0.721 (0.647,0.793)	0.948 (0.883,1.022)	0.804 (0.738,0.878)
M29 150m	0.727 (0.694,0.771)	0.742 (0.676,0.843)	0.636 (0.56,0.716)	0.829 (0.742,0.889)	0.721 (0.686,0.79)
M29 150m DSA	0.744 (0.701,0.807)	0.742 (0.674,0.843)	0.657 (0.58,0.727)	0.844 (0.764,0.915)	0.735 (0.677,0.821)

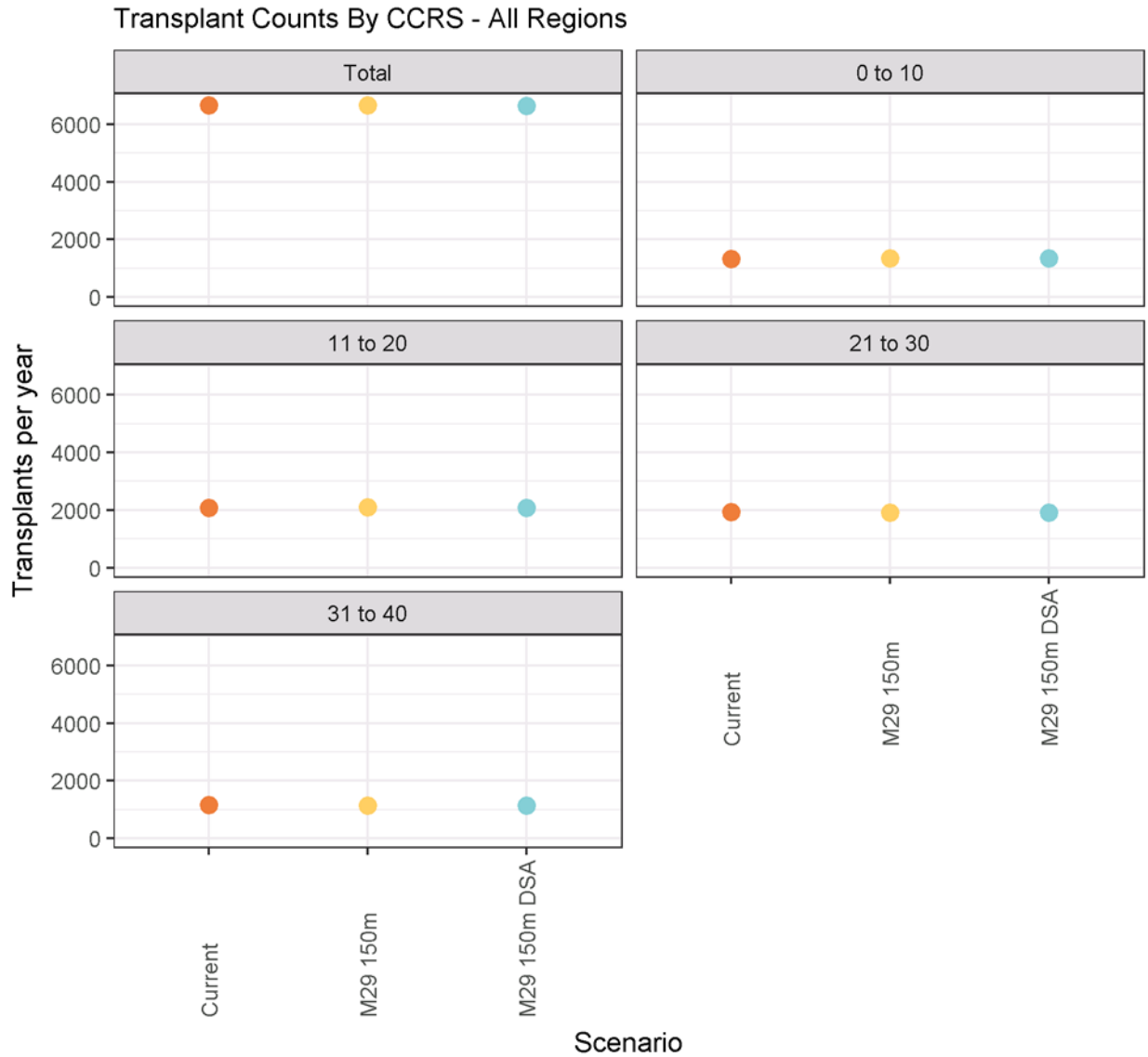


Figure 145 Transplant counts by CCRS - all regions

Table 145 Transplant counts by CCRS - all regions

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	6651.1 (6575.3,6727.3)	1333.7 (1315,1356.3)	2080.3 (2038.7,2141.3)	1925.7 (1890.7,1957)	1156.9 (1131,1184.3)
M29 150m	6650.8 (6585.7,6728.3)	1338.2 (1315,1359)	2100.1 (2064.3,2161.7)	1919.8 (1890.7,1945.7)	1135.8 (1113,1168.3)
M29 150m DSA	6643.7 (6563.3,6724)	1342.3 (1320.3,1368.3)	2089 (2047.3,2131.3)	1919.6 (1878,1953.7)	1135.6 (1098.7,1165)



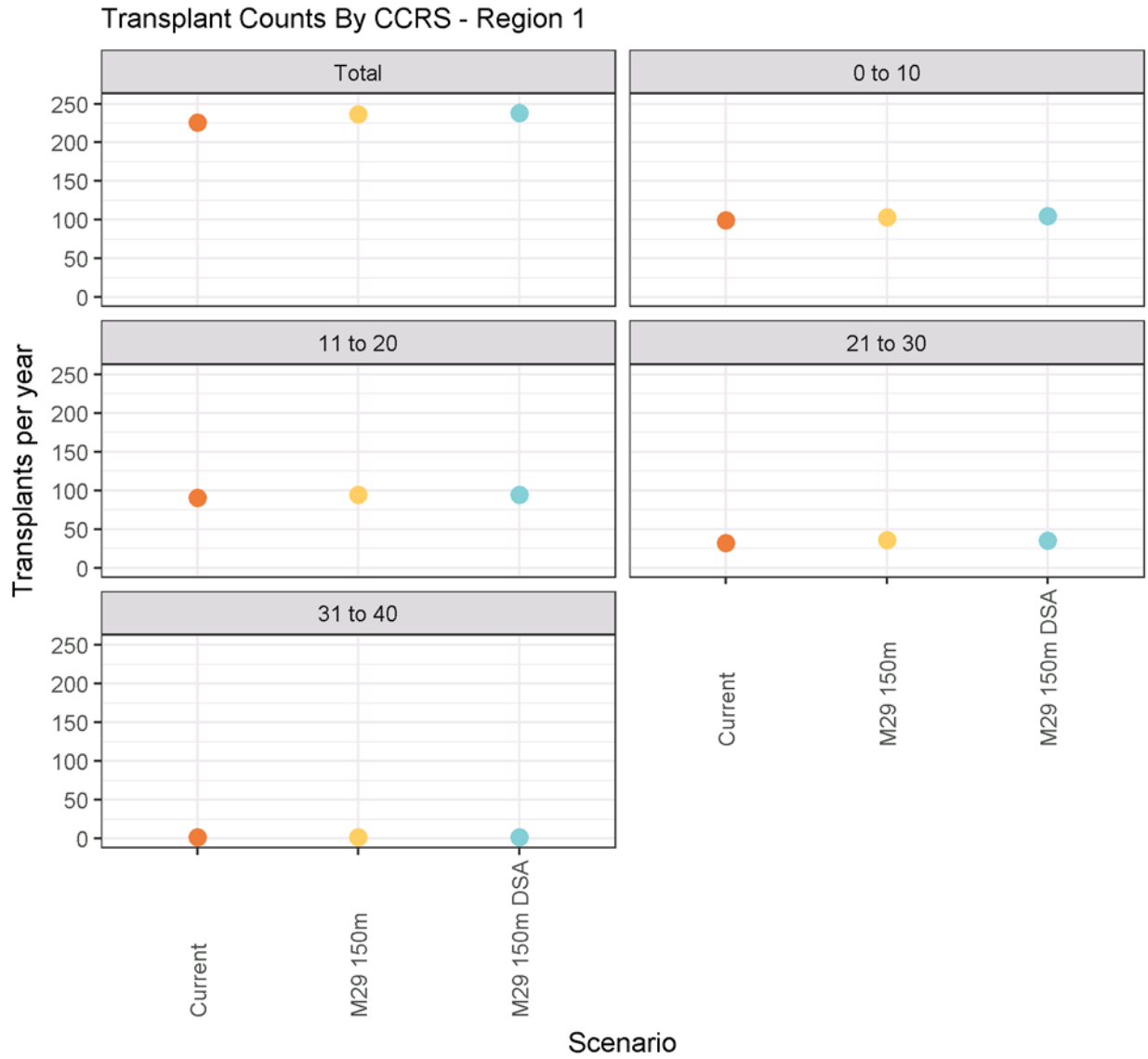


Figure 146 Transplant counts by CCRS - region 1

Table 146 Transplant counts by CCRS - region 1

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	225.6 (218.3,235.7)	99.7 (92.3,107.7)	90.7 (85.7,96.3)	31.8 (28,35.3)	1.7 (1,2.3)
M29 150m	236.6 (228.7,245.3)	103 (96,106.3)	94.2 (89.7,98)	35.7 (29.7,40)	1.7 (1,2.7)
M29 150m DSA	238.2 (232.7,250.7)	105 (100,112.7)	94.1 (85.7,99.3)	35.4 (32.7,39.3)	1.8 (1.3,2.7)

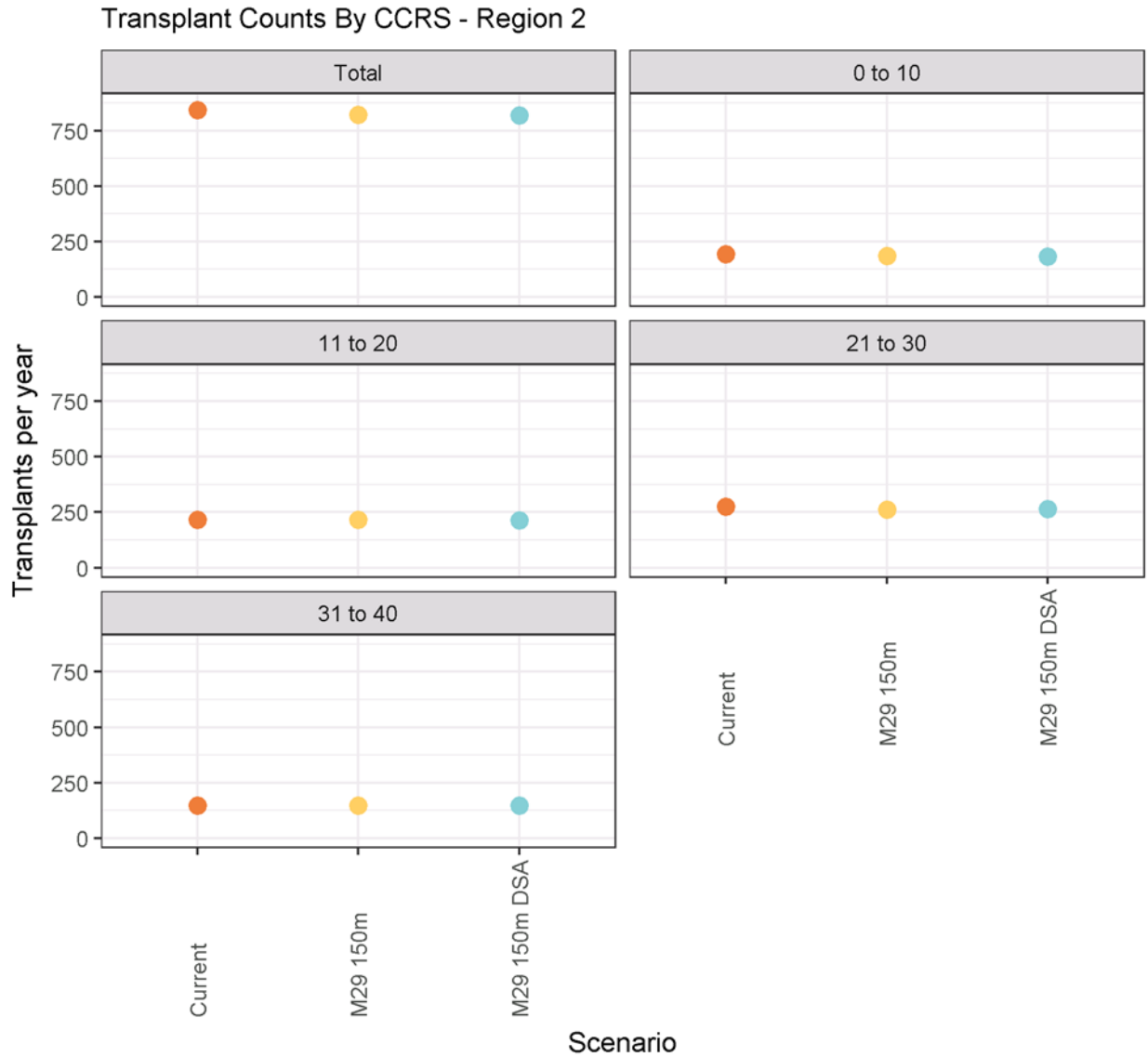


Figure 147 Transplant counts by CCRS - region 2

Table 147 Transplant counts by CCRS - region 2

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	842.3 (813.3,873)	192.2 (182.3,206.7)	216.5 (199.3,231)	275.6 (259.7,288.3)	148.7 (139.3,162)
M29 150m	821.2 (805.7,839.7)	185.2 (170.7,203)	215.2 (202.3,230.3)	262.7 (252.3,271.7)	148 (136.3,157.3)
M29 150m DSA	819.7 (794,840.7)	183.8 (173.7,198.7)	213.2 (191.7,227.7)	265.3 (257.7,277)	147.5 (134,159)

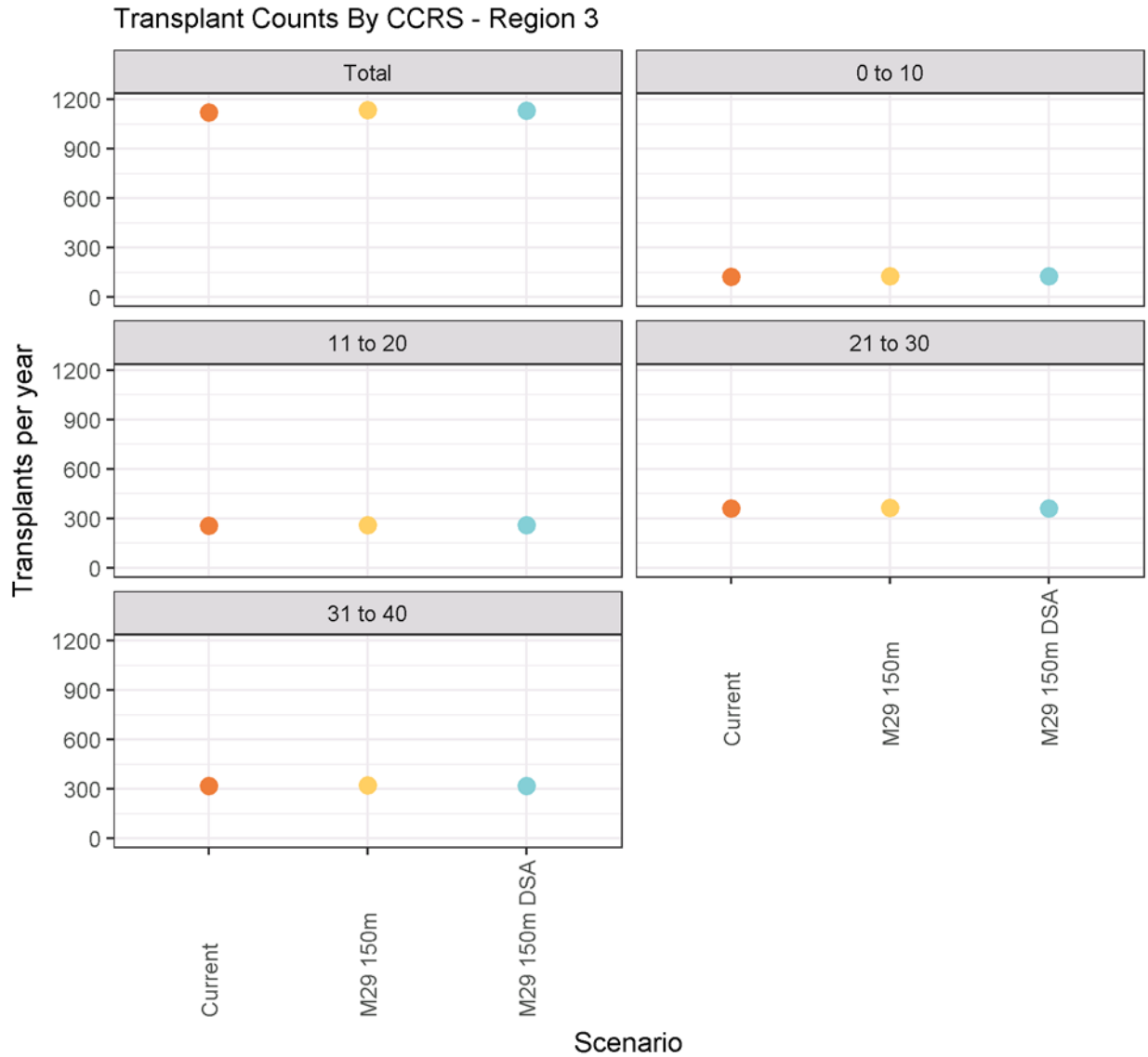


Figure 148 Transplant counts by CCRS - region 3

Table 148 Transplant counts by CCRS - region 3

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	1121 (1092.3,1156.7)	122.7 (110.3,129)	255.8 (237.3,269.7)	358.6 (351,368.3)	318.5 (305.7,341.3)
M29 150m	1136.2 (1111.3,1171.7)	127.3 (114.7,133.3)	260.6 (247.7,272.3)	362.1 (352.3,372.7)	321.1 (304,342.3)
M29 150m DSA	1132.6 (1098,1177.3)	126.7 (117.3,131.7)	260 (246.3,273.3)	359.9 (352,369.3)	320 (300.7,343.3)

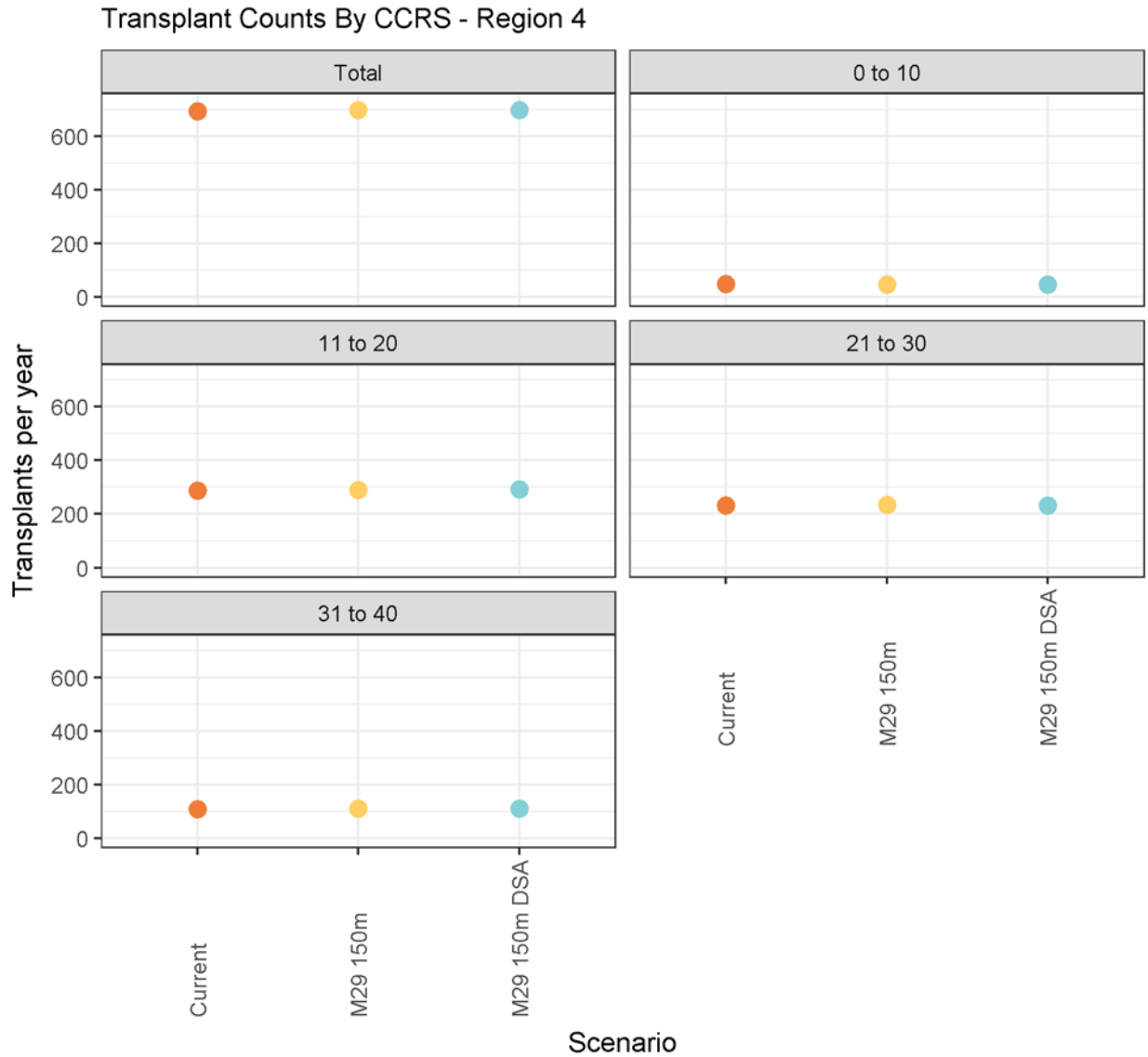


Figure 149 Transplant counts by CCRS - region 4

Table 149 Transplant counts by CCRS - region 4

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	691.8 (667.3,710)	48.4 (44,54.7)	287.2 (266.7,303.3)	232 (221.3,247.7)	108.6 (102.3,116.3)
M29 150m	698.2 (680.3,722.3)	46.4 (39.3,54)	290.7 (280.7,302)	234.6 (217.7,248.7)	110.1 (103.3,117)
M29 150m DSA	698 (676,715.7)	47.1 (44,52)	291.4 (280,306.3)	232.5 (223.3,248.7)	111.2 (106.3,114)

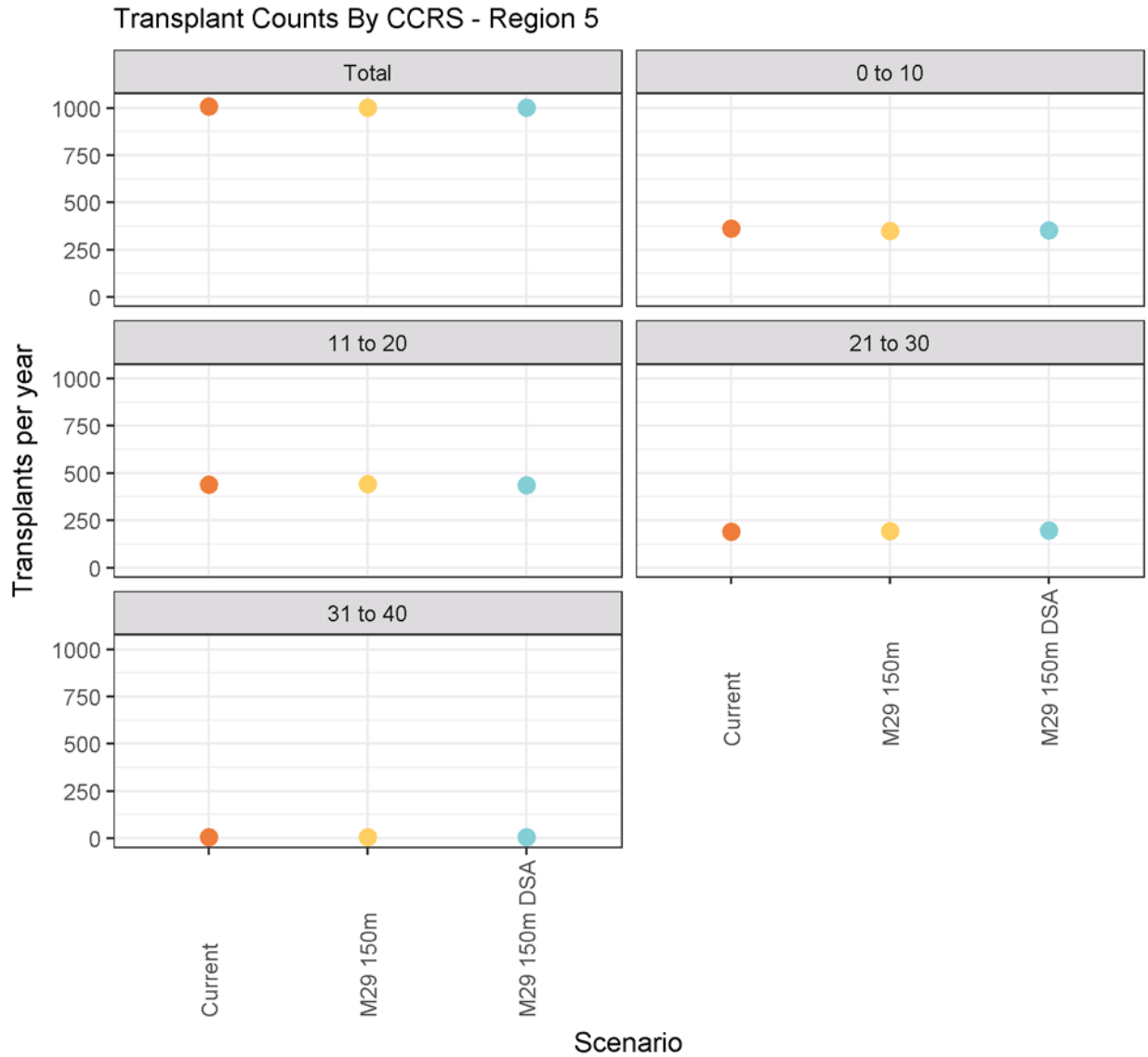


Figure 150 Transplant counts by CCRS - region 5

Table 150 Transplant counts by CCRS - region 5

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	1008.5 (982.7,1022.7)	361.7 (357,370.7)	439.9 (421.7,462.3)	190.2 (182.7,199)	7.6 (5,9.3)
M29 150m	1003.4 (984.7,1025)	349.5 (342.7,355.7)	442.4 (431,458.3)	195.3 (184.7,210.3)	7.8 (6.3,9.3)
M29 150m DSA	1001.1 (979,1018)	352.5 (343.3,362.7)	436.7 (421.3,451.3)	195.8 (178.7,208)	7.8 (5.7,9.7)

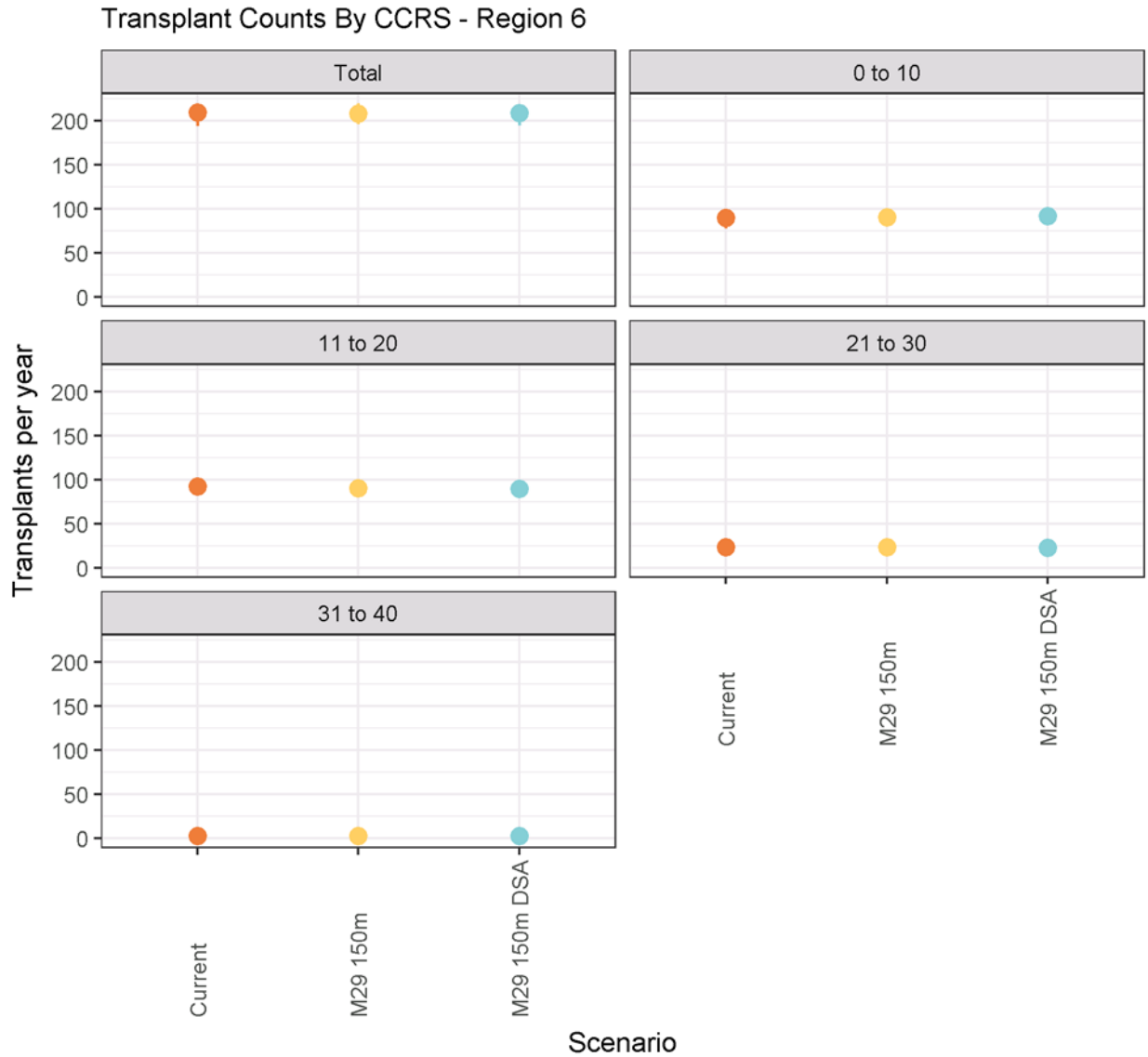


Figure 151 Transplant counts by CCRS - region 6

Table 151 Transplant counts by CCRS - region 6

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	209.9 (194,219)	89.8 (77.7,95.7)	92.3 (87.3,100.7)	23.6 (20.7,27)	3 (1.7,4.3)
M29 150m	208.5 (196.3,220)	90.6 (81,97.3)	90.3 (84.3,100)	23.2 (20,25.7)	3 (1.7,5)
M29 150m DSA	208.8 (195,216.3)	91.9 (83,97.3)	89.8 (86,93.7)	22.8 (19.7,28)	2.9 (1.3,4.3)

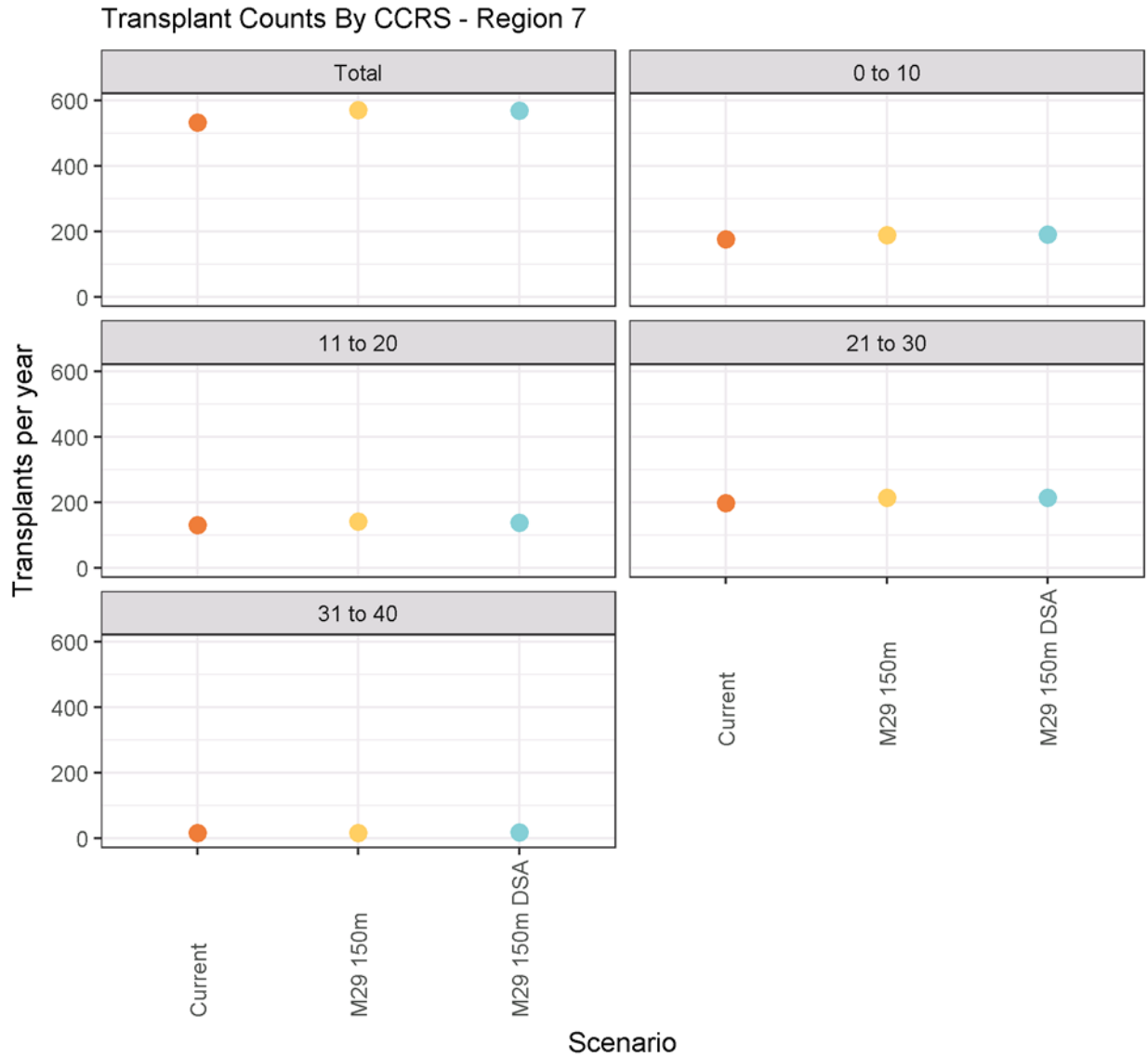


Figure 152 Transplant counts by CCRS - region 7

Table 152 Transplant counts by CCRS - region 7

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	532.1 (511.3,550)	176.7 (168.3,191.3)	129.9 (122.7,144.7)	198 (185,206.3)	16.4 (13.3,20.7)
M29 150m	570.9 (552.3,591.7)	189.1 (183,204)	140.1 (125,155.3)	213.7 (207.3,222.7)	16.9 (15,21)
M29 150m DSA	569.1 (552,587.3)	190.4 (184.3,203)	136.9 (123,150.3)	213.3 (202.3,225.7)	17.4 (14.7,23.7)

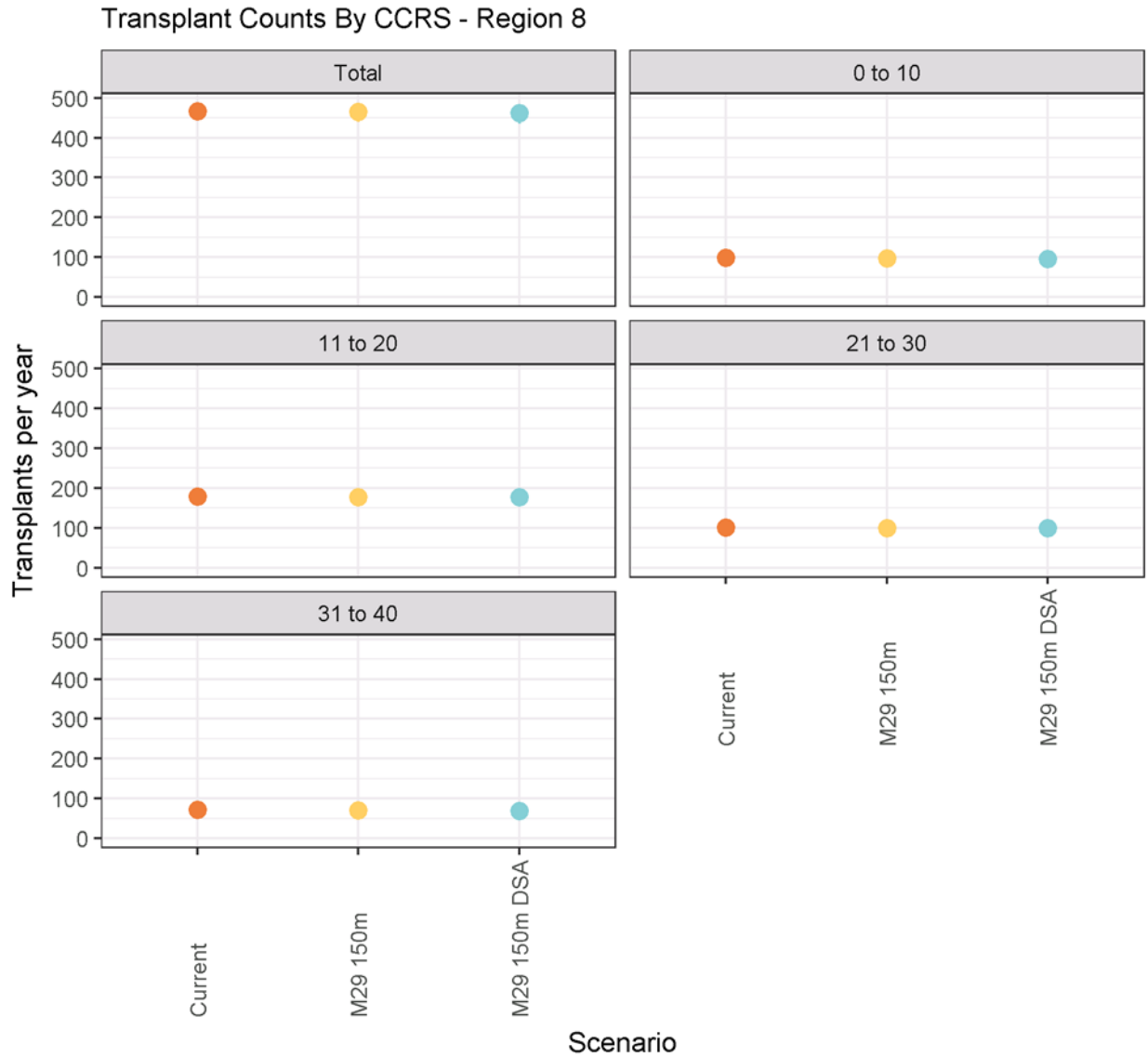


Figure 153 Transplant counts by CCRS - region 8

Table 153 Transplant counts by CCRS - region 8

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	466.4 (442.3,486.7)	98.7 (90.7,102.3)	178.2 (167.3,196.7)	100.4 (88,105.7)	71.1 (63.3,79.7)
M29 150m	465.9 (439.7,482.7)	97.3 (93,103)	177.6 (167,194)	100.2 (93.7,105.3)	70.2 (61.7,81.7)
M29 150m DSA	461.5 (435.7,479.7)	95.7 (84.7,101.7)	176.9 (167,191)	99.7 (90,108.7)	69.1 (60.7,84)



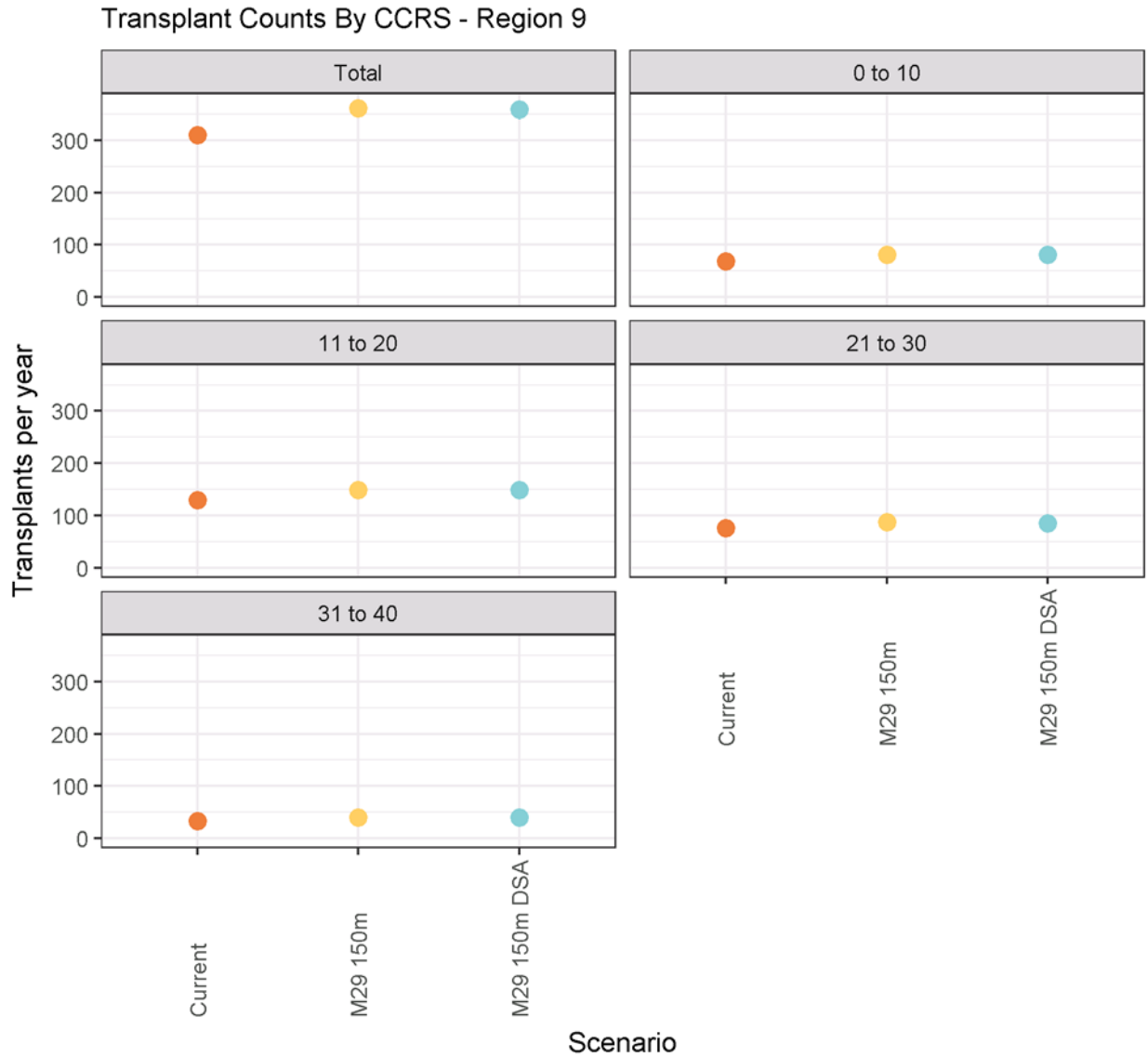


Figure 154 Transplant counts by CCRS - region 9

Table 154 Transplant counts by CCRS - region 9

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	310.5 (295,322.3)	68.5 (65.3,71)	129.9 (117.7,135)	75.3 (70.3,79)	32.7 (28,37.7)
M29 150m	361.1 (348.7,371)	81.1 (70.7,87.3)	148.5 (144.7,155)	87.2 (78,97.3)	39.4 (32.7,45.3)
M29 150m DSA	359.5 (339.7,367.7)	80.7 (76.7,84.3)	149 (142.3,153.7)	85.3 (74.3,95)	39.6 (34.3,47)

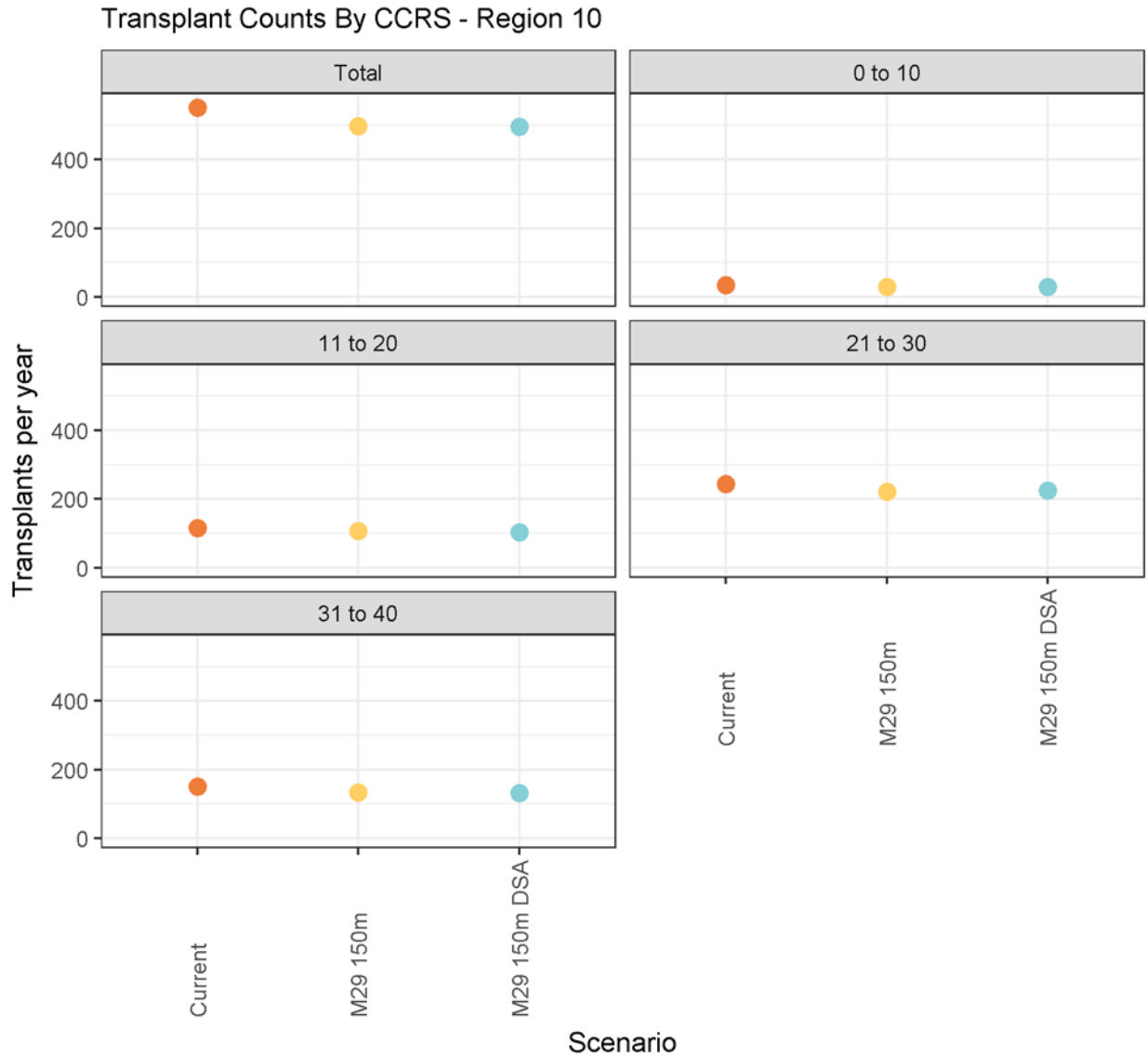


Figure 155 Transplant counts by CCRS - region 10

Table 155 Transplant counts by CCRS - region 10

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	552.1 (540,564.3)	34.1 (28.7,39.7)	116.1 (106,123.7)	244.2 (227.3,265)	150.1 (141.3,154.7)
M29 150m	497.6 (481.7,507.7)	28.9 (25.7,32.7)	105.9 (94.7,117)	221.5 (206.7,240.7)	134.4 (127.3,141)
M29 150m DSA	496.3 (477.7,509.3)	28.9 (25.7,35.7)	103.7 (93.7,113.3)	224.8 (208,236.7)	131.7 (125.7,137.3)

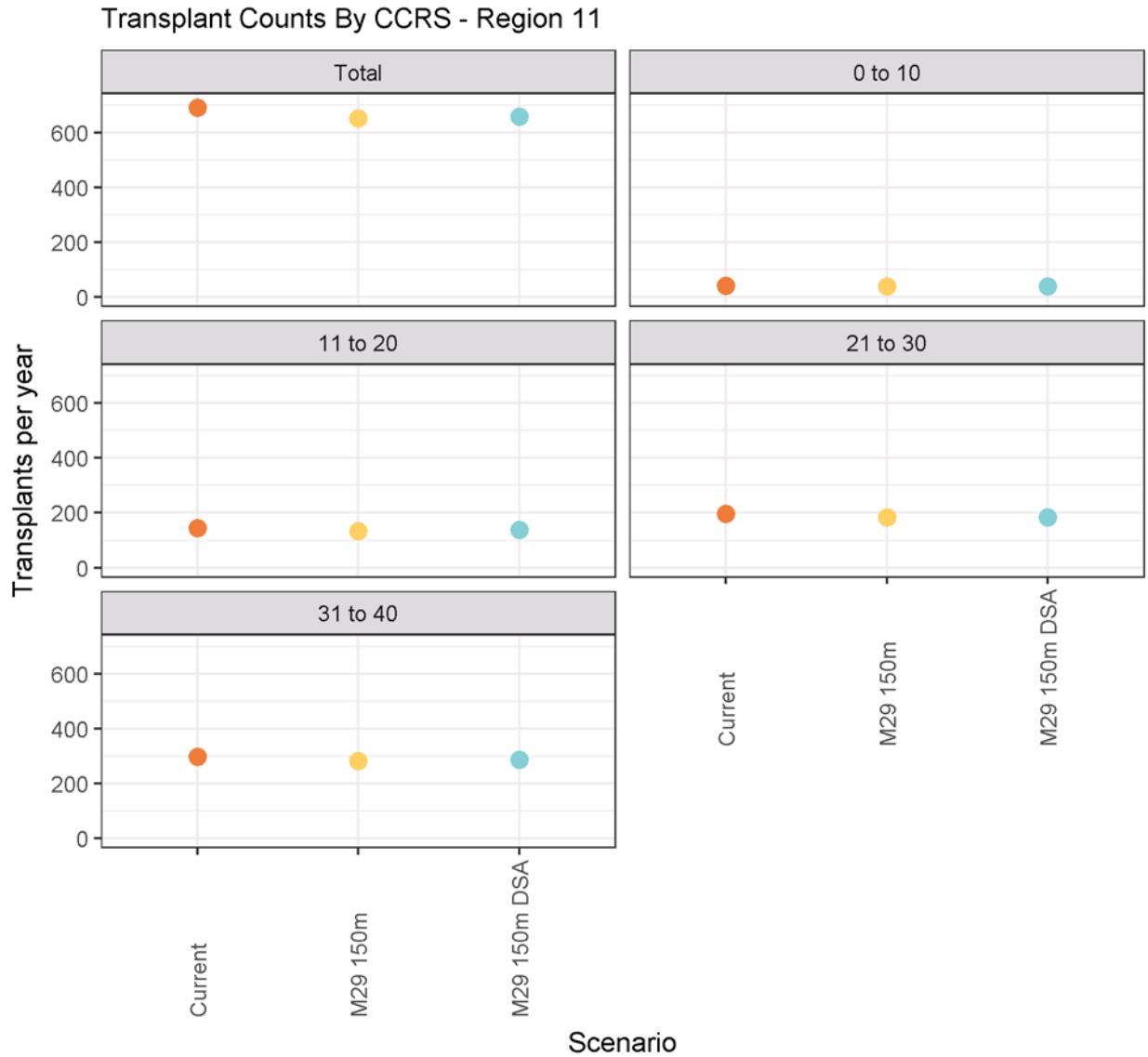


Figure 156 Transplant counts by CCRS - region 11

Table 156 Transplant counts by CCRS - region 11

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	690.9 (671.7,707)	41.2 (32,45.7)	143.8 (135,153)	196.1 (188.3,208)	298.7 (286.3,317.7)
M29 150m	651.2 (632.3,669.3)	39.7 (35.3,45.3)	134.7 (125.3,145)	183.6 (175.3,190.7)	283.1 (274.3,292.3)
M29 150m DSA	659 (640.3,686.3)	39.5 (35,42.7)	137.3 (126,145.7)	184.8 (175.7,199.3)	286.6 (278,297.3)

Waitlist mortality

Waitlist Mortality Rates By CCRS - All Regions

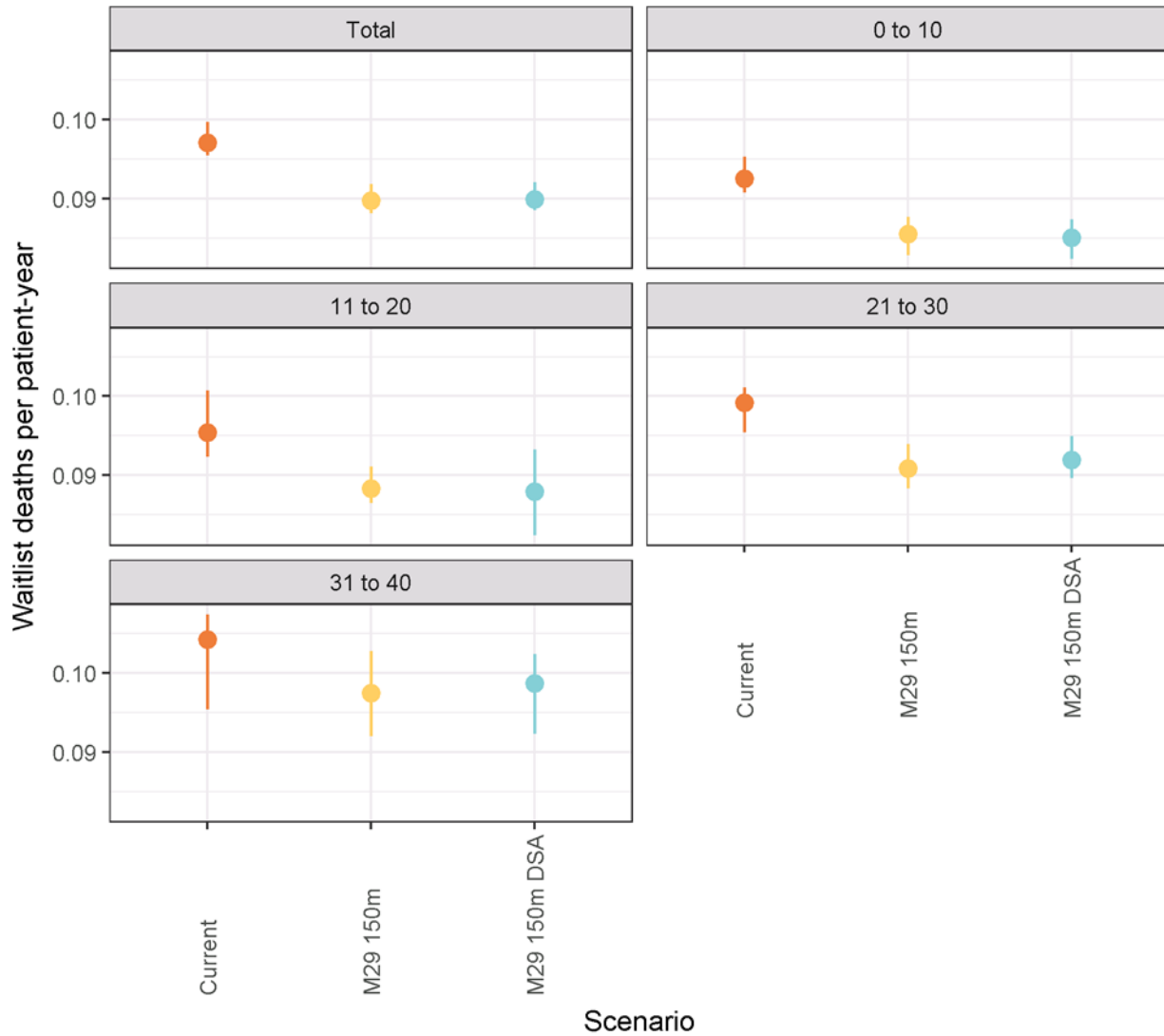


Figure 157 Waitlist mortality rates by CCRS - all regions

Table 157 Waitlist mortality rates by CCRS - all regions

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.097 (0.095,0.1)	0.092 (0.091,0.095)	0.095 (0.092,0.101)	0.099 (0.095,0.101)	0.104 (0.095,0.107)
M29 150m	0.09 (0.088,0.092)	0.086 (0.083,0.088)	0.088 (0.086,0.091)	0.091 (0.088,0.094)	0.097 (0.092,0.103)
M29 150m DSA	0.09 (0.089,0.092)	0.085 (0.082,0.087)	0.088 (0.082,0.093)	0.092 (0.09,0.095)	0.099 (0.092,0.102)

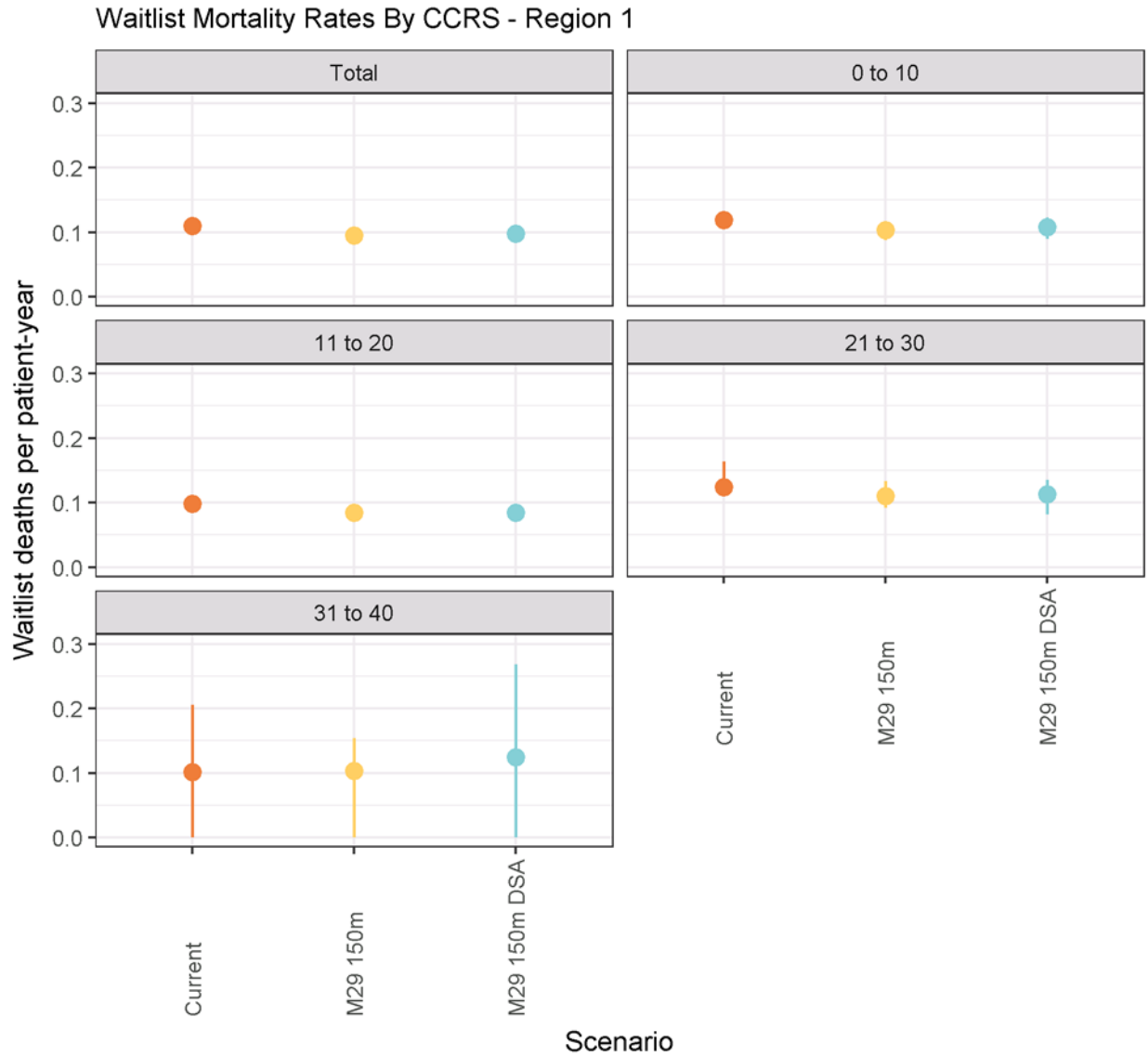


Figure 158 Waitlist mortality rates by CCRS - region 1

Table 158 Waitlist mortality rates by CCRS - region 1

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.11 (0.105,0.116)	0.119 (0.105,0.13)	0.099 (0.087,0.106)	0.124 (0.111,0.164)	0.102 (0,0.206)
M29 150m	0.095 (0.089,0.102)	0.103 (0.087,0.116)	0.084 (0.077,0.089)	0.11 (0.092,0.134)	0.103 (0,0.154)
M29 150m DSA	0.098 (0.089,0.104)	0.108 (0.09,0.123)	0.084 (0.079,0.089)	0.113 (0.081,0.135)	0.124 (0,0.268)

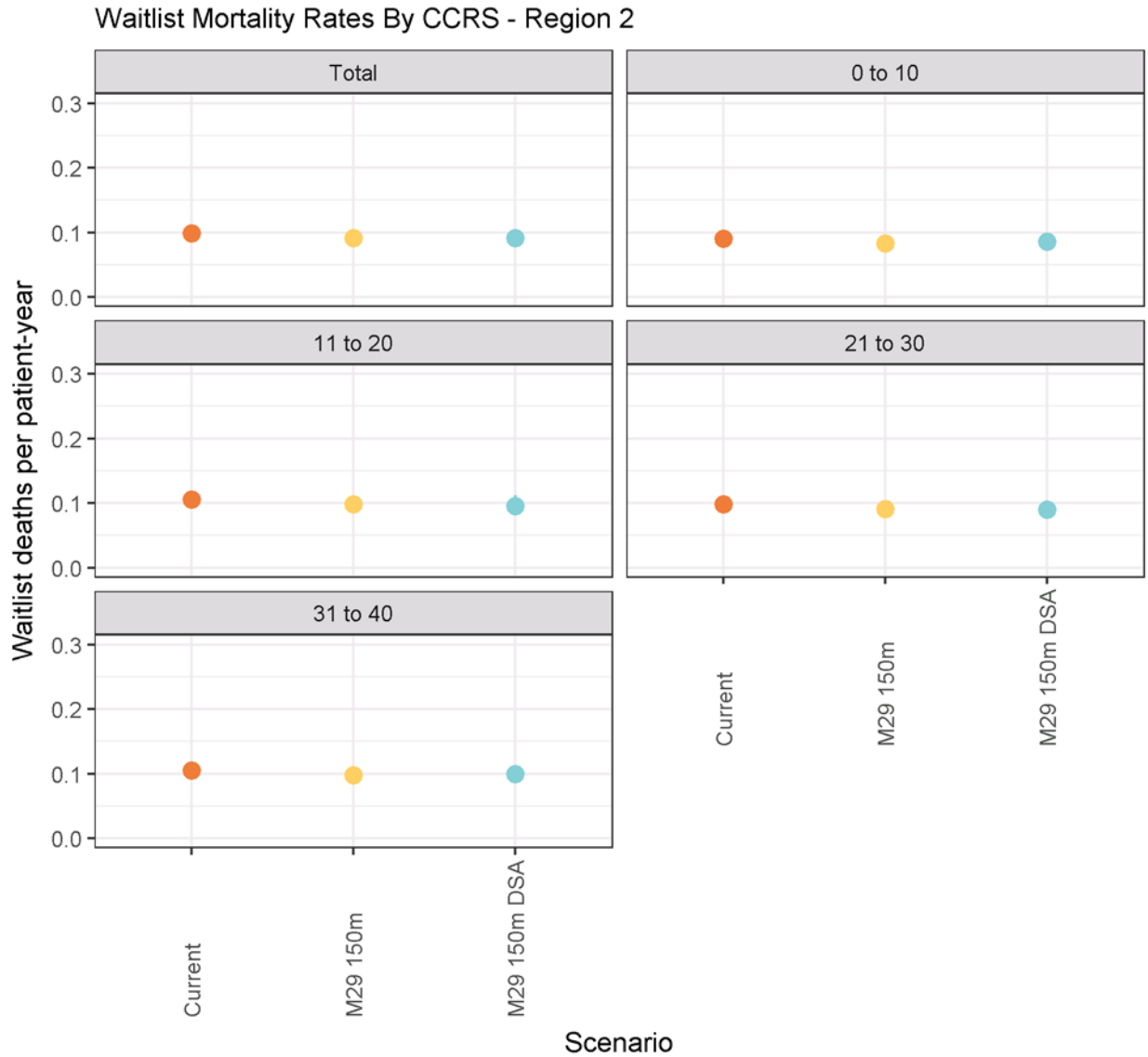


Figure 159 Waitlist mortality rates by CCRS - region 2

Table 159 Waitlist mortality rates by CCRS - region 2

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.099 (0.092,0.105)	0.09 (0.084,0.095)	0.106 (0.098,0.119)	0.098 (0.093,0.102)	0.105 (0.09,0.114)
M29 150m	0.092 (0.085,0.094)	0.083 (0.073,0.093)	0.098 (0.091,0.104)	0.091 (0.086,0.099)	0.098 (0.091,0.105)
M29 150m DSA	0.092 (0.084,0.096)	0.086 (0.08,0.09)	0.096 (0.085,0.112)	0.09 (0.082,0.101)	0.1 (0.093,0.109)

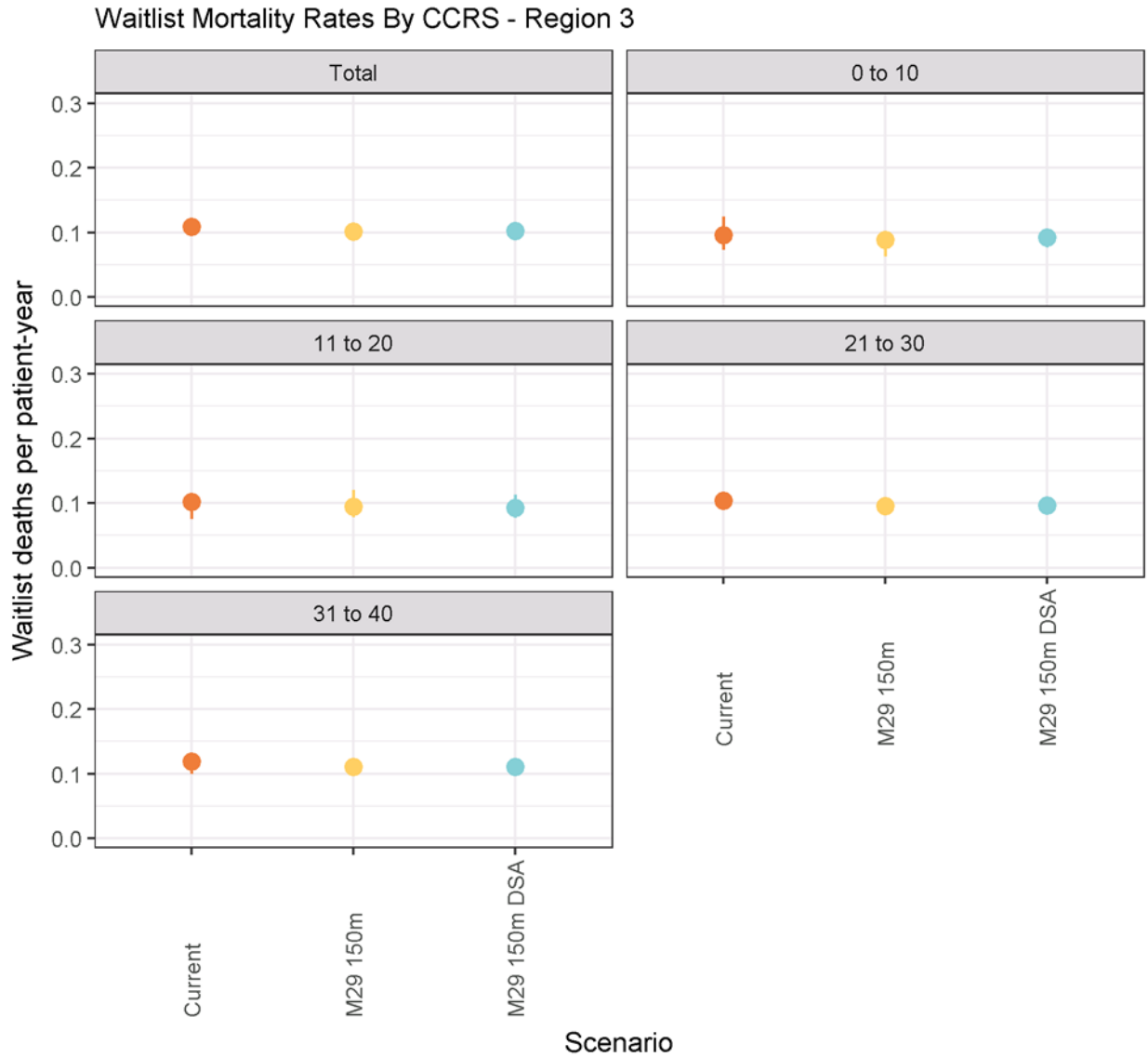


Figure 160 Waitlist mortality rates by CCRS - region 3

Table 160 Waitlist mortality rates by CCRS - region 3

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.109 (0.104,0.115)	0.096 (0.073,0.124)	0.101 (0.075,0.115)	0.104 (0.091,0.113)	0.119 (0.1,0.128)
M29 150m	0.101 (0.093,0.109)	0.089 (0.063,0.101)	0.094 (0.078,0.12)	0.096 (0.081,0.108)	0.111 (0.102,0.123)
M29 150m DSA	0.102 (0.09,0.107)	0.092 (0.077,0.105)	0.093 (0.077,0.113)	0.097 (0.088,0.106)	0.111 (0.099,0.124)

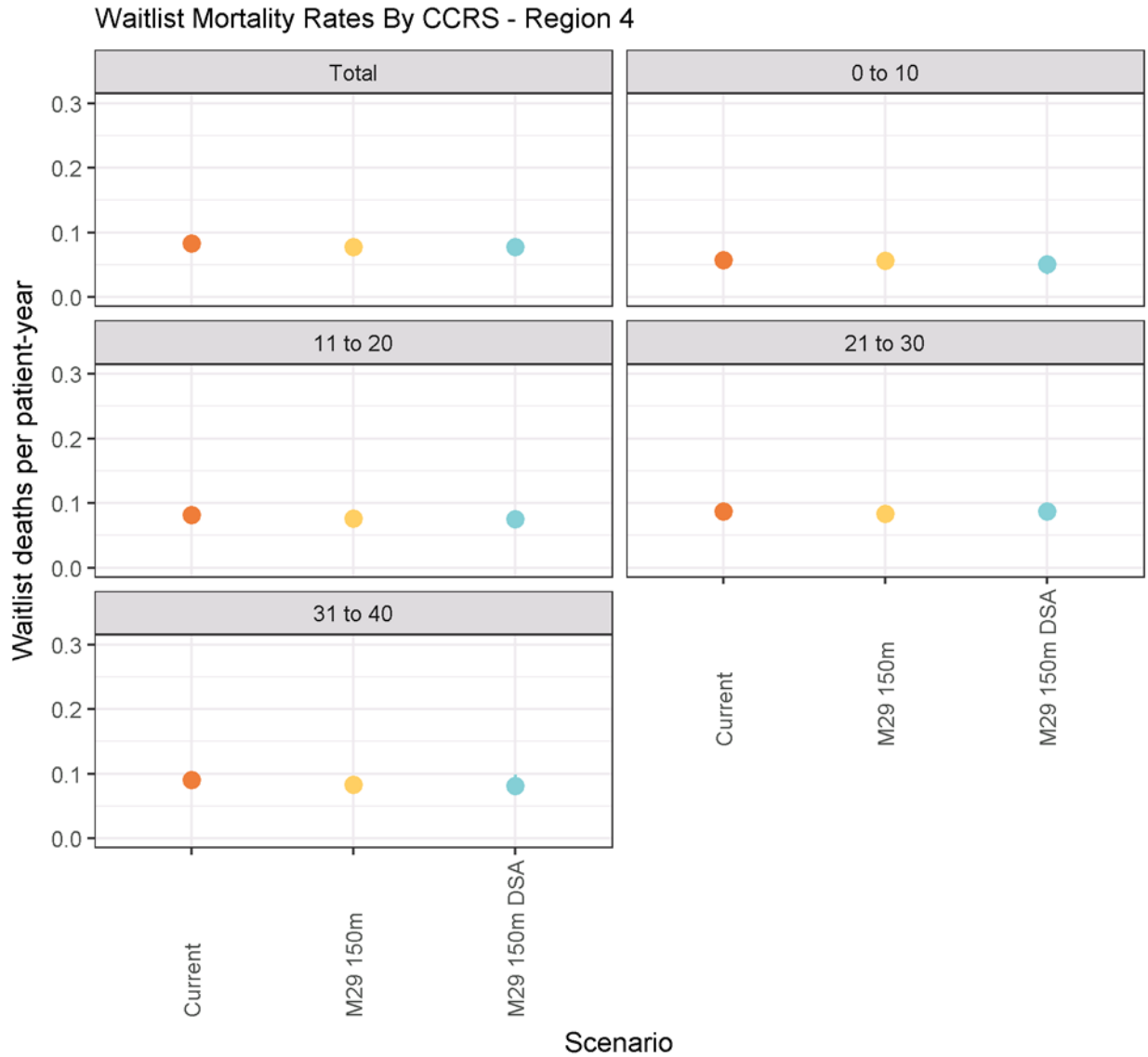


Figure 161 Waitlist mortality rates by CCRS - region 4

Table 161 Waitlist mortality rates by CCRS - region 4

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.083 (0.079,0.087)	0.057 (0.046,0.072)	0.082 (0.077,0.089)	0.087 (0.078,0.094)	0.09 (0.078,0.103)
M29 150m	0.078 (0.074,0.082)	0.056 (0.048,0.07)	0.076 (0.073,0.083)	0.084 (0.076,0.091)	0.083 (0.072,0.096)
M29 150m DSA	0.078 (0.075,0.083)	0.051 (0.035,0.062)	0.075 (0.067,0.083)	0.087 (0.082,0.095)	0.081 (0.069,0.099)



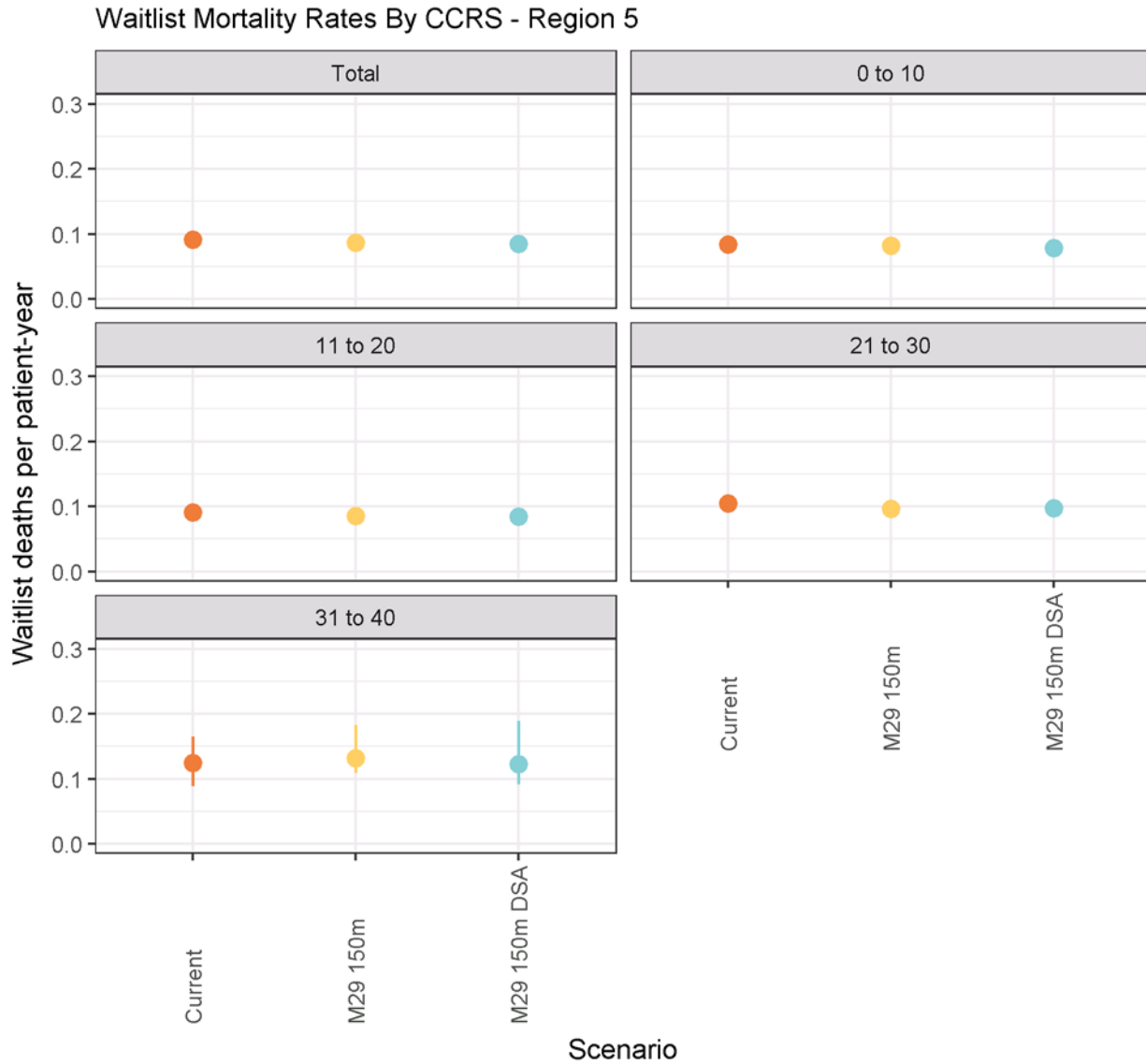


Figure 162 Waitlist mortality rates by CCRS - region 5

Table 162 Waitlist mortality rates by CCRS - region 5

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.091 (0.09,0.093)	0.084 (0.078,0.089)	0.091 (0.087,0.095)	0.105 (0.096,0.111)	0.125 (0.089,0.165)
M29 150m	0.086 (0.082,0.088)	0.082 (0.076,0.091)	0.085 (0.082,0.089)	0.097 (0.088,0.108)	0.132 (0.109,0.183)
M29 150m DSA	0.085 (0.081,0.087)	0.079 (0.073,0.083)	0.085 (0.078,0.089)	0.097 (0.088,0.104)	0.123 (0.092,0.189)

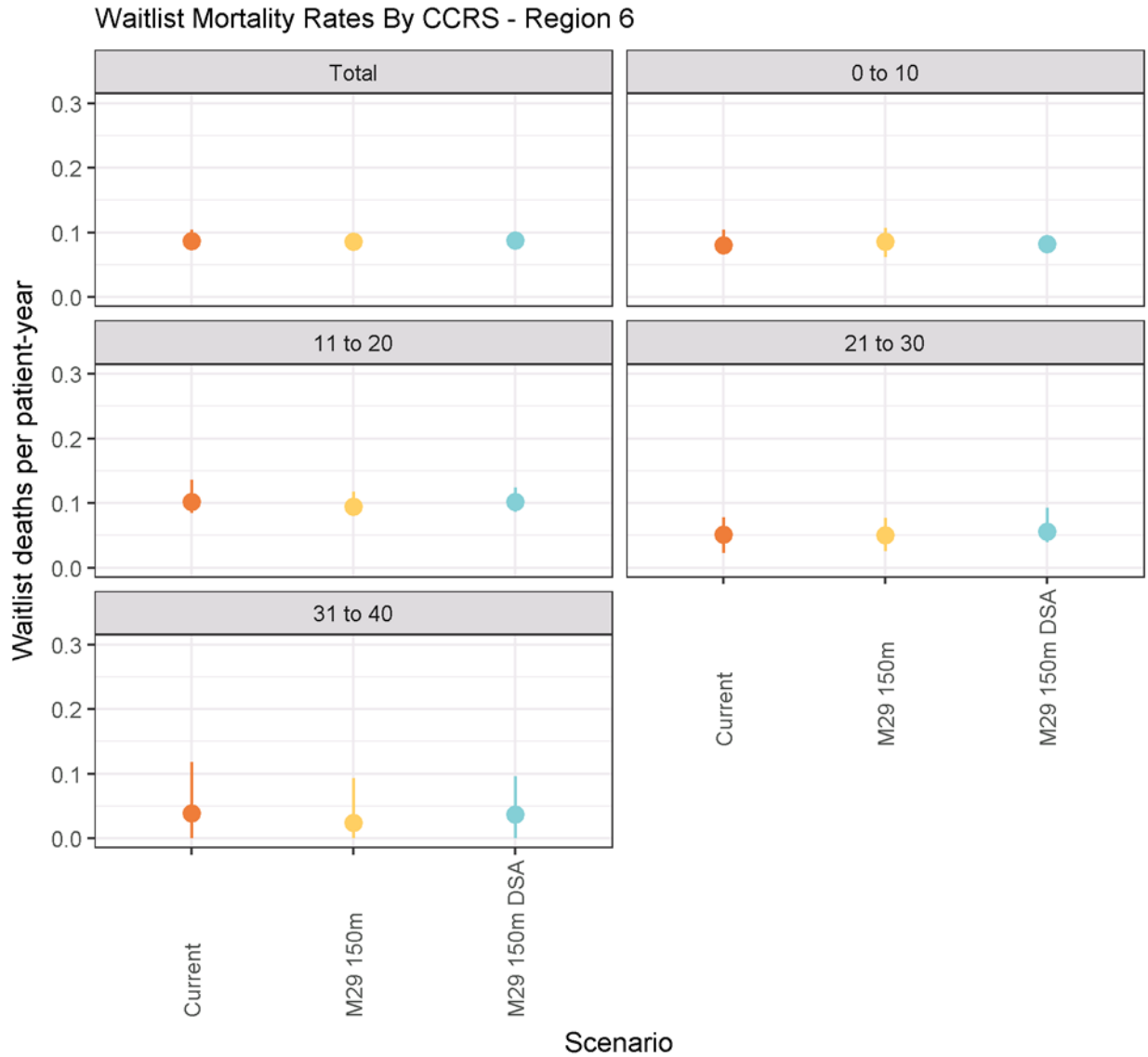


Figure 163 Waitlist mortality rates by CCRS - region 6

Table 163 Waitlist mortality rates by CCRS - region 6

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.087 (0.073,0.104)	0.08 (0.071,0.104)	0.102 (0.084,0.136)	0.051 (0.023,0.078)	0.039 (0,0.118)
M29 150m	0.086 (0.079,0.099)	0.086 (0.062,0.107)	0.094 (0.08,0.117)	0.05 (0.025,0.077)	0.024 (0,0.093)
M29 150m DSA	0.088 (0.076,0.098)	0.082 (0.071,0.094)	0.102 (0.086,0.124)	0.055 (0.039,0.093)	0.037 (0,0.096)

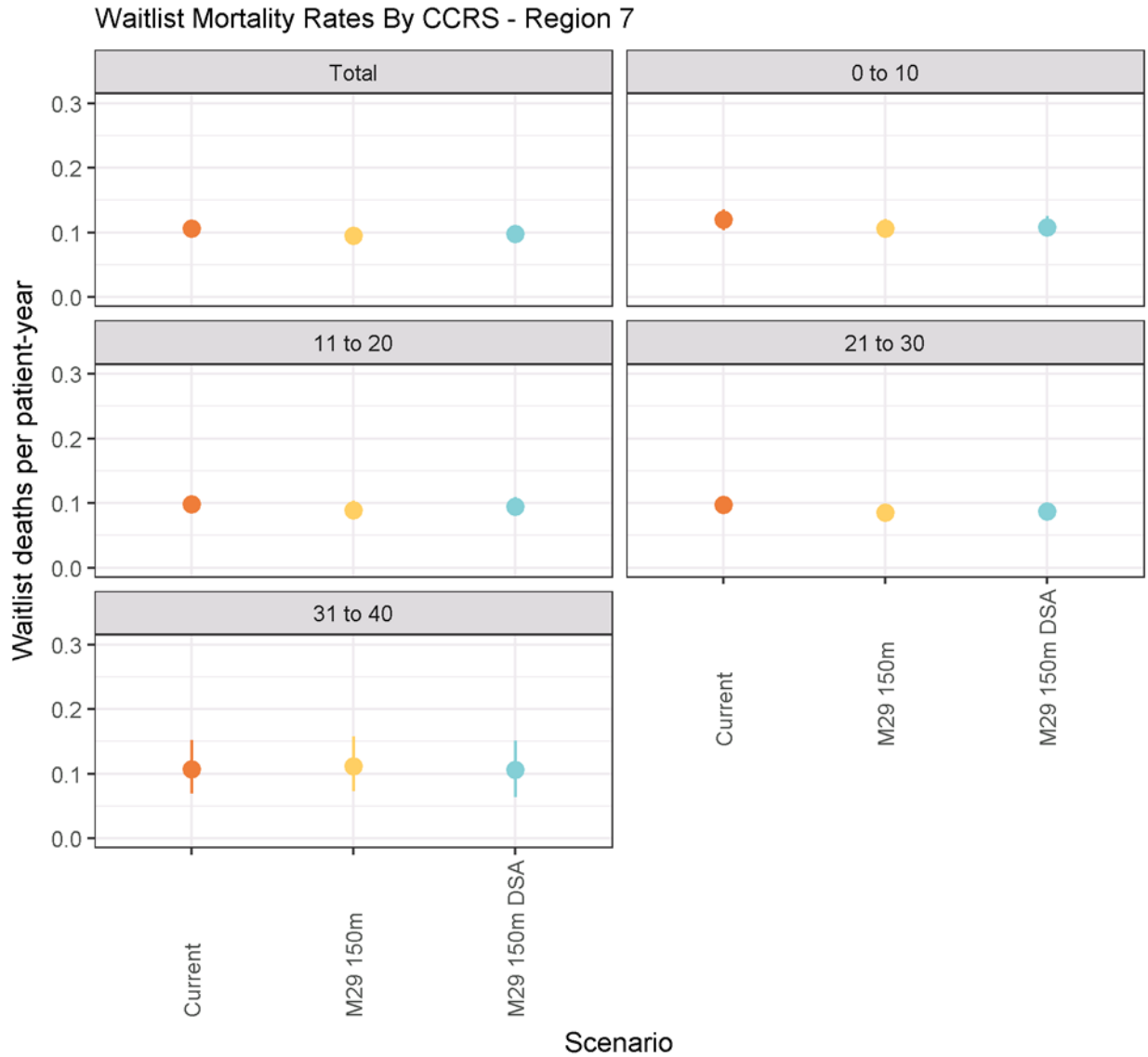


Figure 164 Waitlist mortality rates by CCRS - region 7

Table 164 Waitlist mortality rates by CCRS - region 7

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.106 (0.097,0.114)	0.12 (0.103,0.136)	0.098 (0.086,0.108)	0.097 (0.091,0.108)	0.107 (0.069,0.152)
M29 150m	0.095 (0.091,0.099)	0.106 (0.092,0.121)	0.089 (0.074,0.104)	0.085 (0.079,0.091)	0.111 (0.073,0.158)
M29 150m DSA	0.098 (0.092,0.103)	0.108 (0.093,0.126)	0.095 (0.083,0.11)	0.087 (0.076,0.098)	0.106 (0.063,0.151)

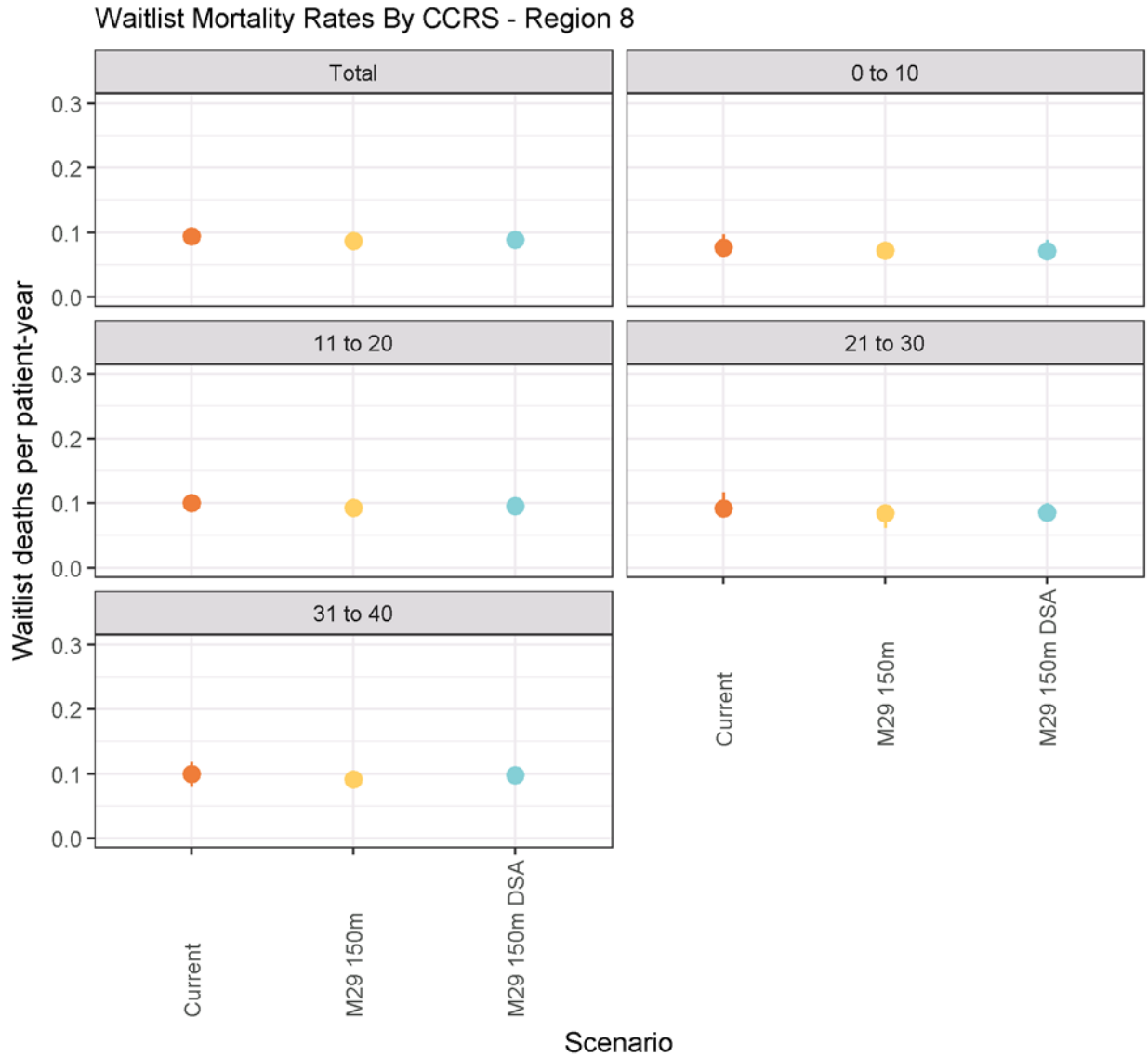


Figure 165 Waitlist mortality rates by CCRS - region 8

Table 165 Waitlist mortality rates by CCRS - region 8

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.094 (0.088,0.107)	0.077 (0.067,0.097)	0.1 (0.088,0.111)	0.092 (0.08,0.116)	0.1 (0.079,0.118)
M29 150m	0.087 (0.08,0.094)	0.072 (0.063,0.082)	0.093 (0.081,0.1)	0.085 (0.061,0.097)	0.091 (0.081,0.103)
M29 150m DSA	0.088 (0.082,0.099)	0.071 (0.058,0.089)	0.095 (0.087,0.106)	0.085 (0.072,0.1)	0.098 (0.084,0.111)

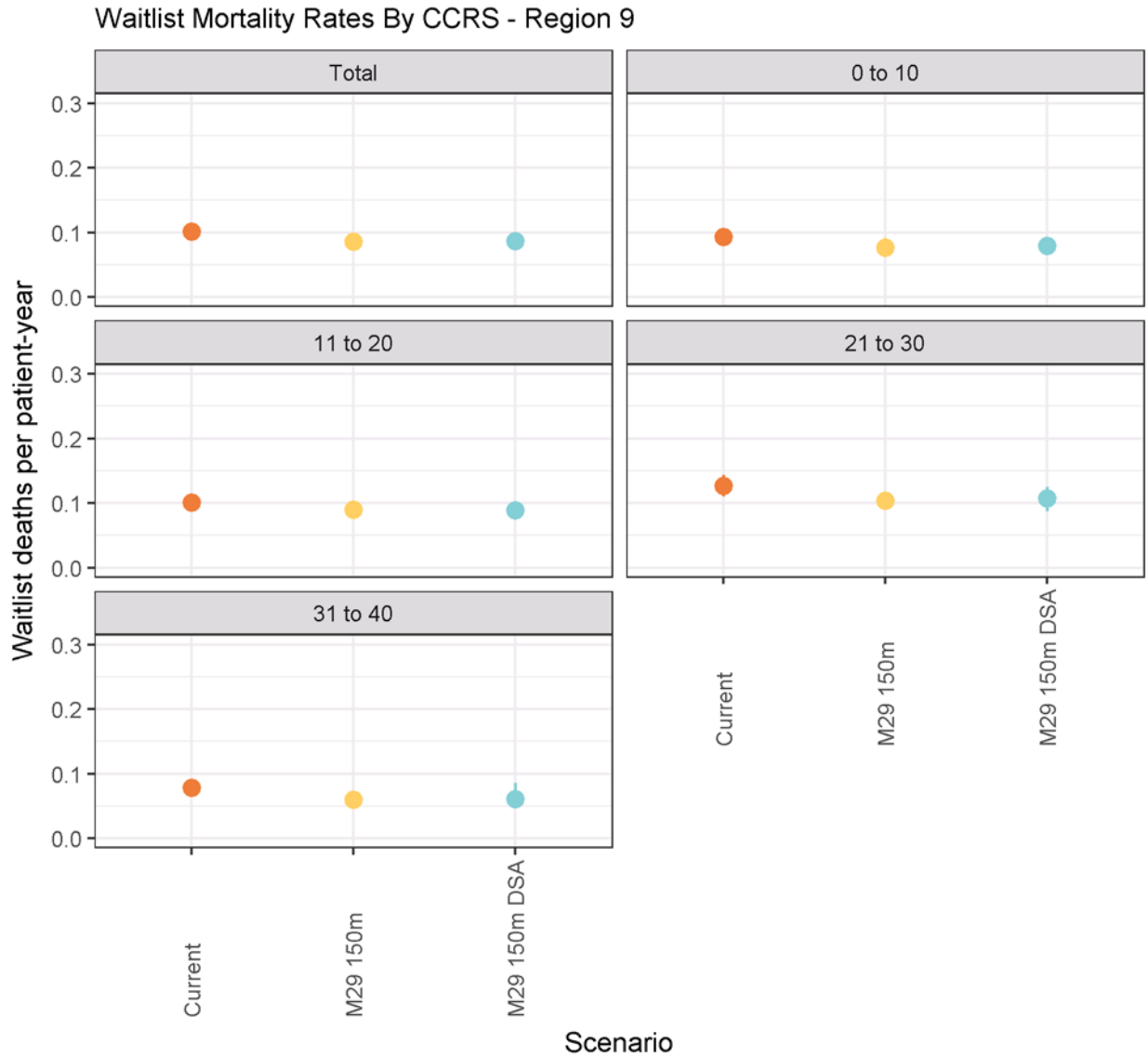


Figure 166 Waitlist mortality rates by CCRS - region 9

Table 166 Waitlist mortality rates by CCRS - region 9

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.102 (0.093,0.109)	0.093 (0.082,0.103)	0.101 (0.094,0.111)	0.127 (0.11,0.143)	0.078 (0.064,0.092)
M29 150m	0.086 (0.082,0.089)	0.077 (0.069,0.091)	0.09 (0.083,0.096)	0.104 (0.094,0.115)	0.06 (0.046,0.072)
M29 150m DSA	0.087 (0.08,0.093)	0.079 (0.065,0.092)	0.089 (0.079,0.095)	0.107 (0.087,0.125)	0.061 (0.046,0.086)

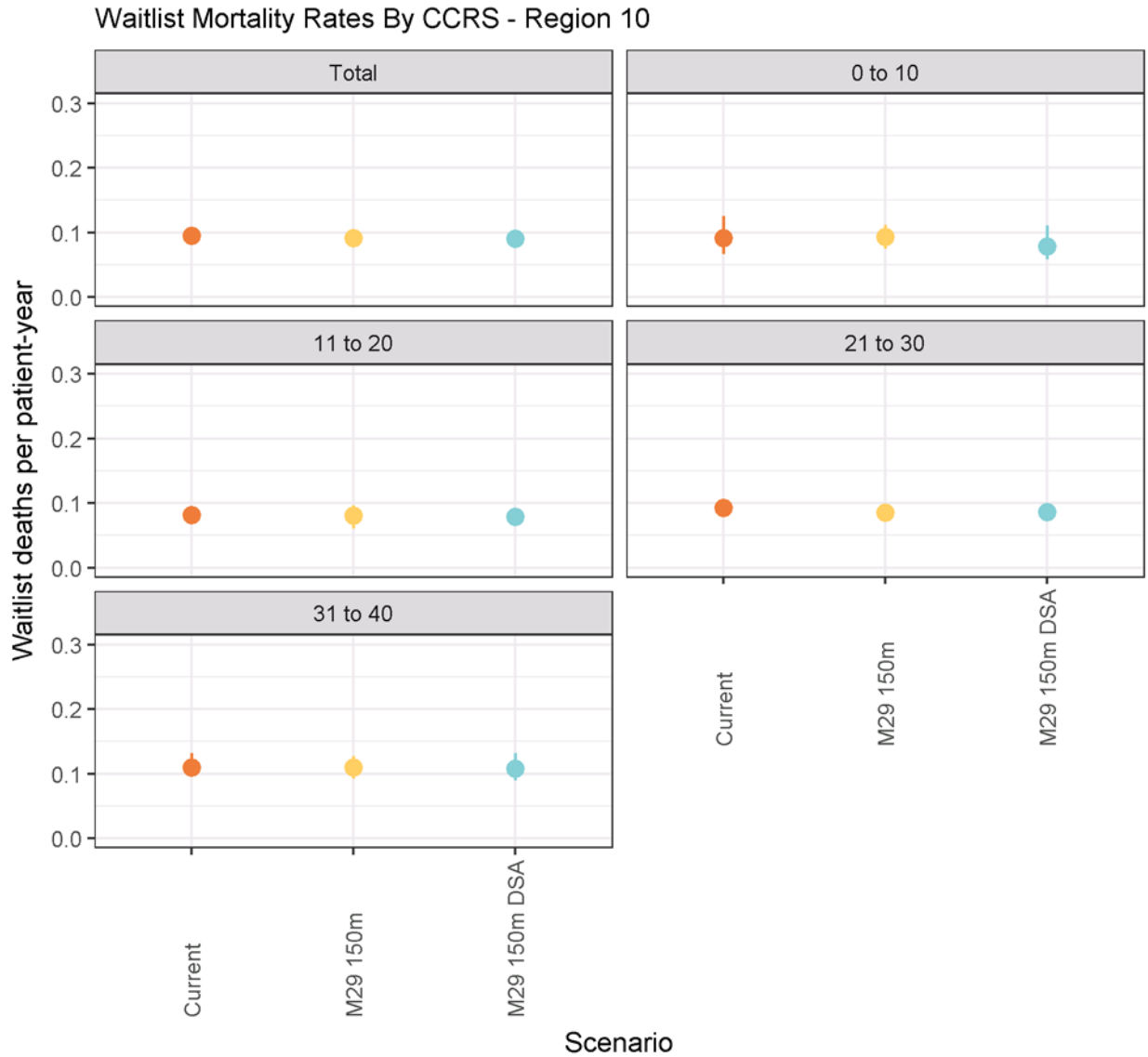


Figure 167 Waitlist mortality rates by CCRS - region 10

Table 167 Waitlist mortality rates by CCRS - region 10

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.095 (0.088,0.101)	0.091 (0.067,0.125)	0.082 (0.068,0.093)	0.093 (0.081,0.103)	0.11 (0.097,0.131)
M29 150m	0.091 (0.082,0.103)	0.093 (0.075,0.111)	0.081 (0.061,0.096)	0.086 (0.078,0.095)	0.109 (0.092,0.127)
M29 150m DSA	0.09 (0.081,0.098)	0.079 (0.058,0.111)	0.079 (0.064,0.09)	0.087 (0.076,0.098)	0.108 (0.089,0.132)

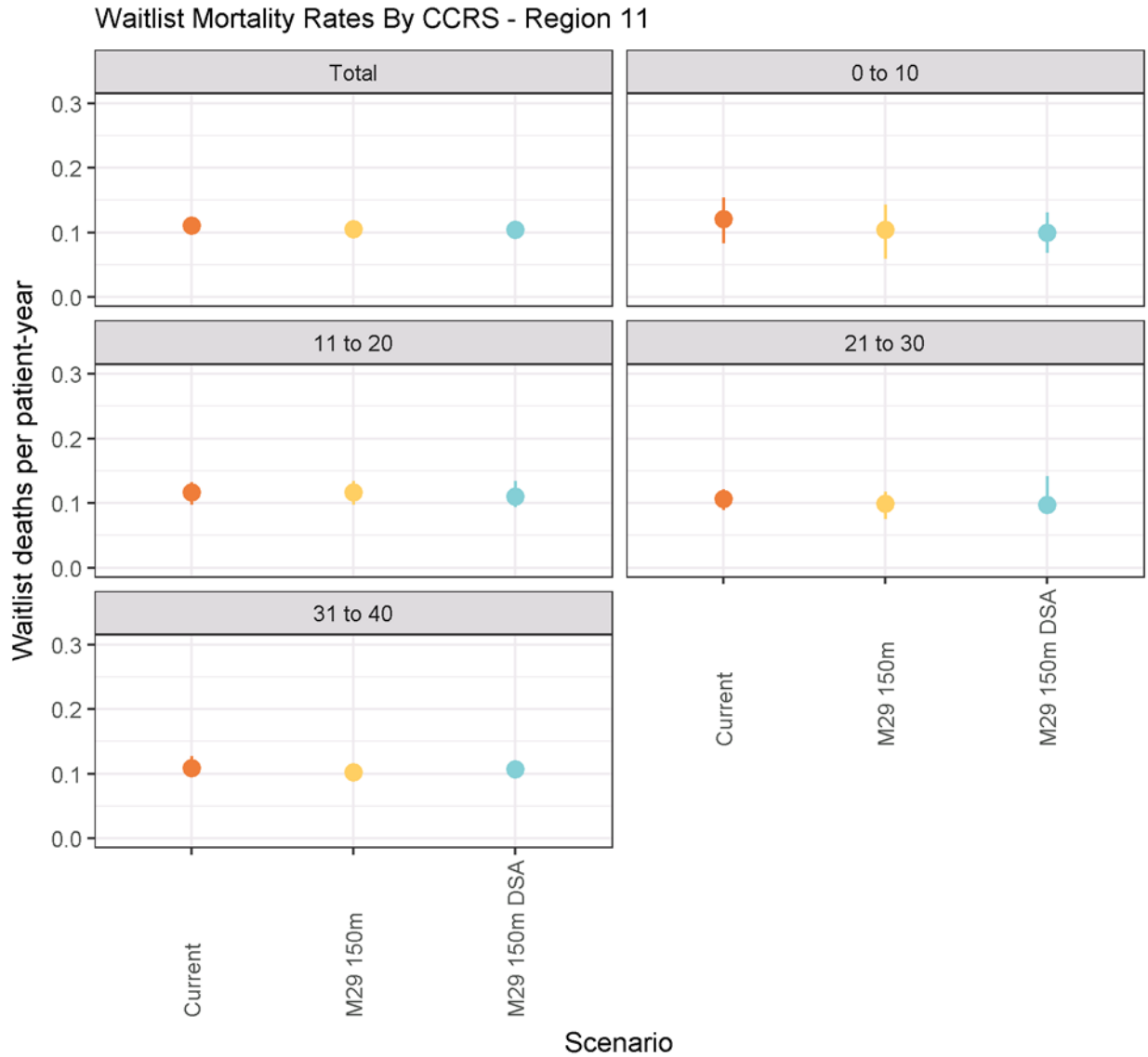


Figure 168 Waitlist mortality rates by CCRS - region 11

Table 168 Waitlist mortality rates by CCRS - region 11

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	0.111 (0.101,0.117)	0.121 (0.083,0.154)	0.117 (0.097,0.132)	0.107 (0.089,0.121)	0.109 (0.095,0.127)
M29 150m	0.105 (0.095,0.115)	0.104 (0.059,0.143)	0.117 (0.098,0.134)	0.099 (0.075,0.118)	0.103 (0.09,0.115)
M29 150m DSA	0.104 (0.098,0.115)	0.099 (0.068,0.131)	0.11 (0.094,0.135)	0.097 (0.085,0.141)	0.107 (0.092,0.12)

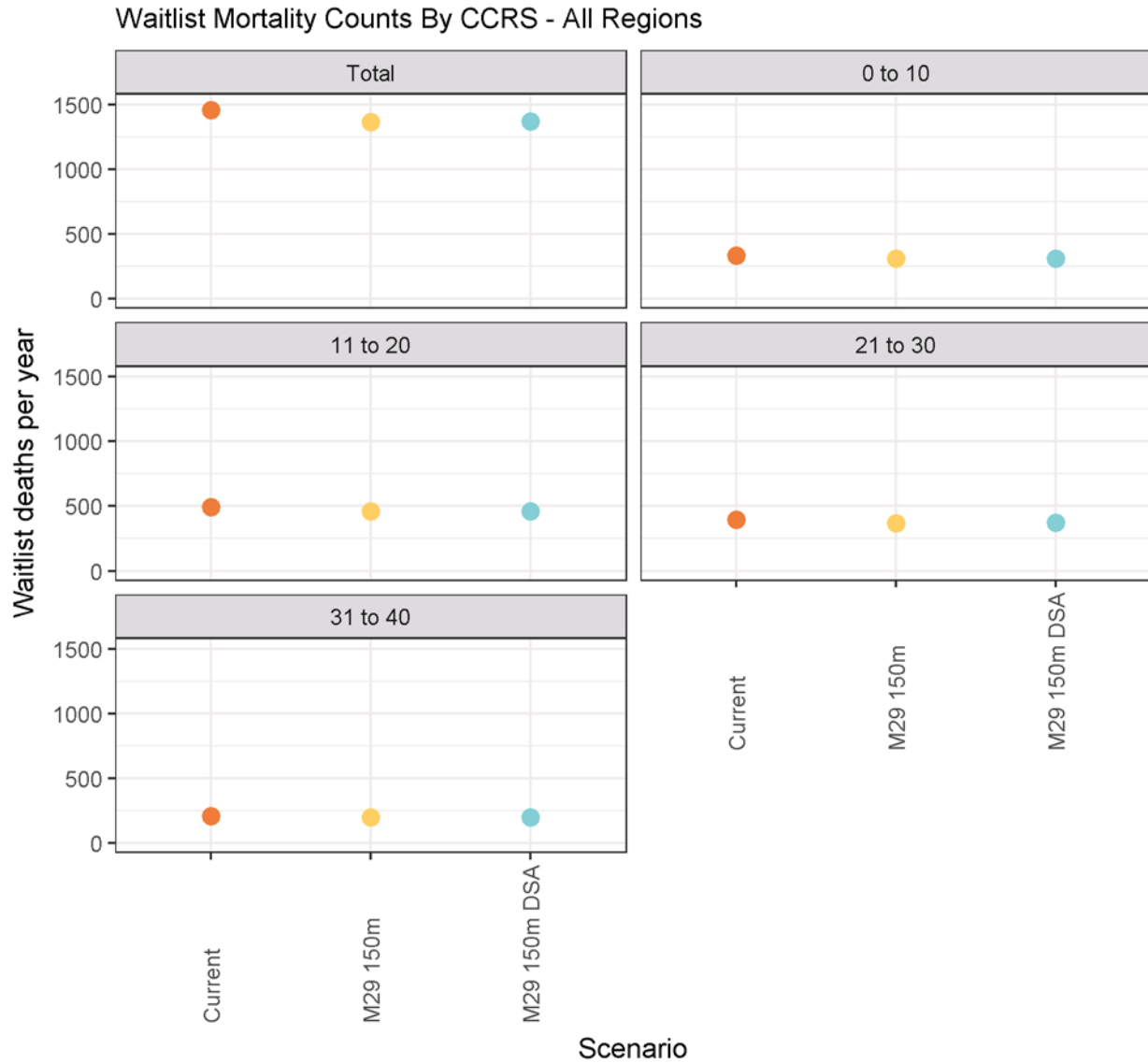


Figure 169 Waitlist mortality counts by CCRS - all regions

Table 169 Waitlist mortality counts by CCRS - all regions

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	1455.1 (1425,1504.3)	332.4 (324,346)	491.8 (475,518)	396.8 (382,406.7)	207 (190.7,216)
M29 150m	1365.7 (1334.7,1403.7)	311.9 (301.3,320)	460.6 (451.7,479.7)	369.2 (359.3,381.7)	198.6 (187.7,211.3)
M29 150m DSA	1368.6 (1343,1407.7)	310.5 (300,321.3)	458.5 (437.7,489)	373.3 (367,384.3)	200.8 (186,213.3)



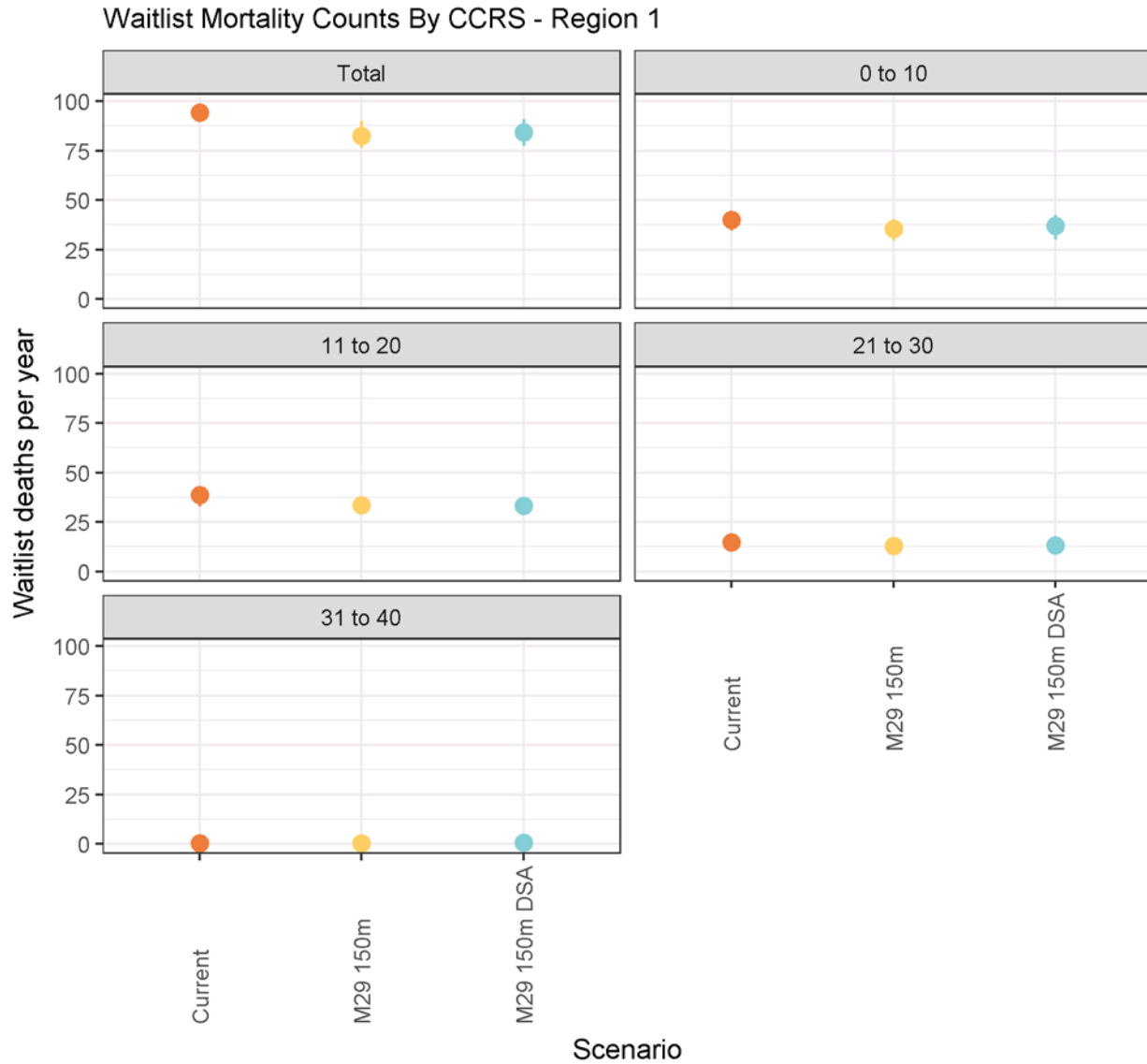


Figure 170 Waitlist mortality counts by CCRS - region 1

Table 170 Waitlist mortality counts by CCRS - region 1

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	94.2 (89.7,98.7)	40.2 (34.7,44)	38.5 (33,41.3)	14.7 (12.7,17.3)	0.4 (0,0.7)
M29 150m	82.5 (76.3,90)	35.4 (29.3,40.3)	33.4 (30,35.3)	12.9 (10.7,16.3)	0.4 (0,0.7)
M29 150m DSA	84.4 (77.3,91)	36.9 (30,42.3)	33.3 (30.7,35.3)	13.2 (9,14.7)	0.5 (0,1)

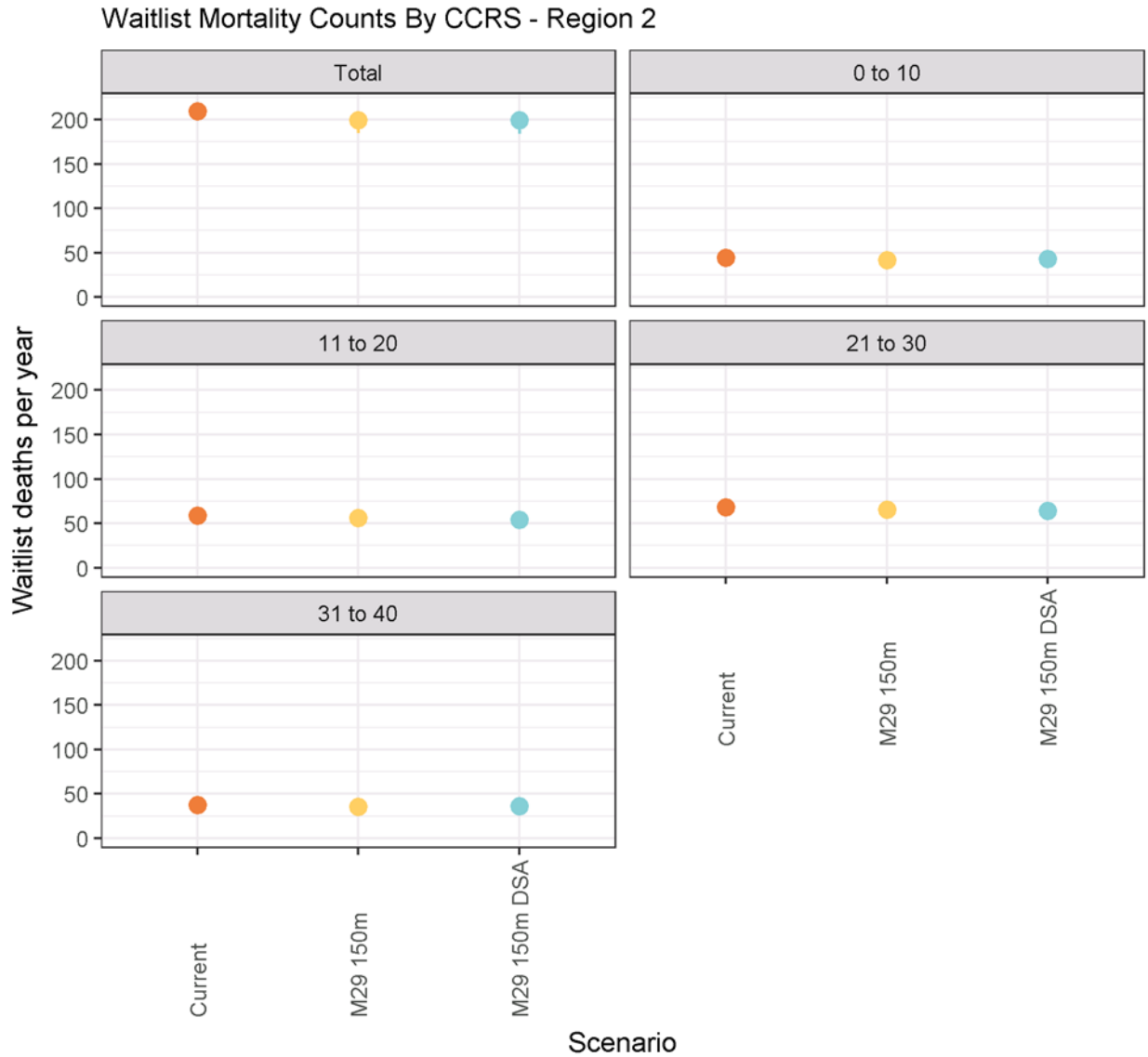


Figure 171 Waitlist mortality counts by CCRS - region 2

Table 171 Waitlist mortality counts by CCRS - region 2

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	209.7 (199.3,218.3)	44.1 (41.7,46.7)	58.9 (55.3,64.3)	68 (65.3,71.3)	37.6 (31,40.7)
M29 150m	199.4 (184.7,207.3)	41.8 (36.7,46)	55.8 (52,58.3)	65.4 (62.3,70.3)	35.8 (33,39.7)
M29 150m DSA	199.1 (183.7,209.7)	43.2 (40.3,45.7)	54.3 (50.7,62)	64.2 (58.7,71)	36.6 (32.7,40.7)

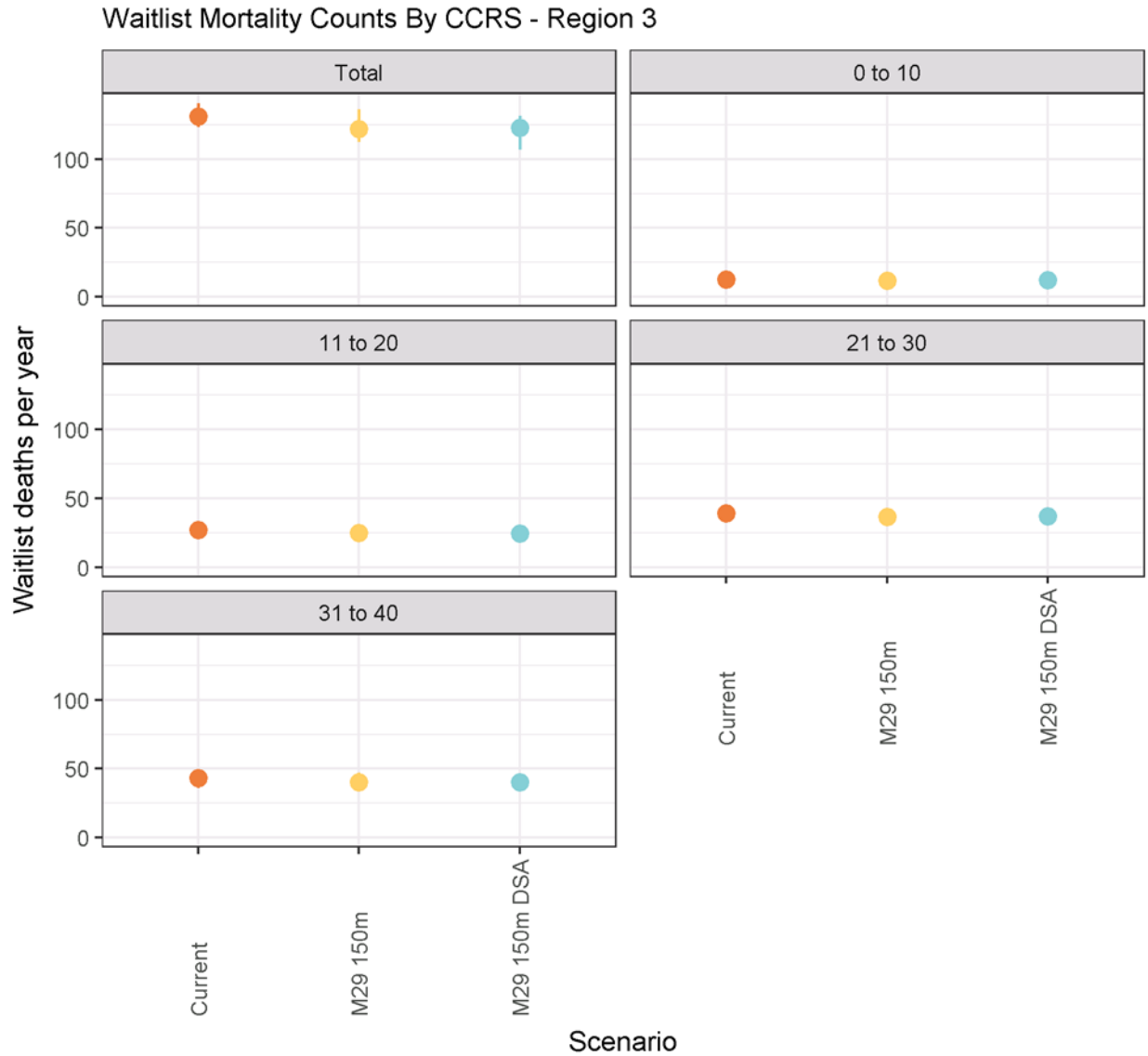


Figure 172 Waitlist mortality counts by CCRS - region 3

Table 172 Waitlist mortality counts by CCRS - region 3

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	131.2 (123.3,140.7)	12.8 (10,16)	27.1 (20.7,30.7)	39.3 (35.7,43.3)	43.1 (36,47)
M29 150m	121.9 (112.3,136.3)	11.7 (9,14)	24.7 (20,31.3)	36.4 (31.3,40)	40.3 (37.3,47)
M29 150m DSA	122.8 (107,131.3)	12.2 (10.7,14.3)	24.3 (21,29.7)	37.1 (33,41.7)	40.3 (34.3,46.7)

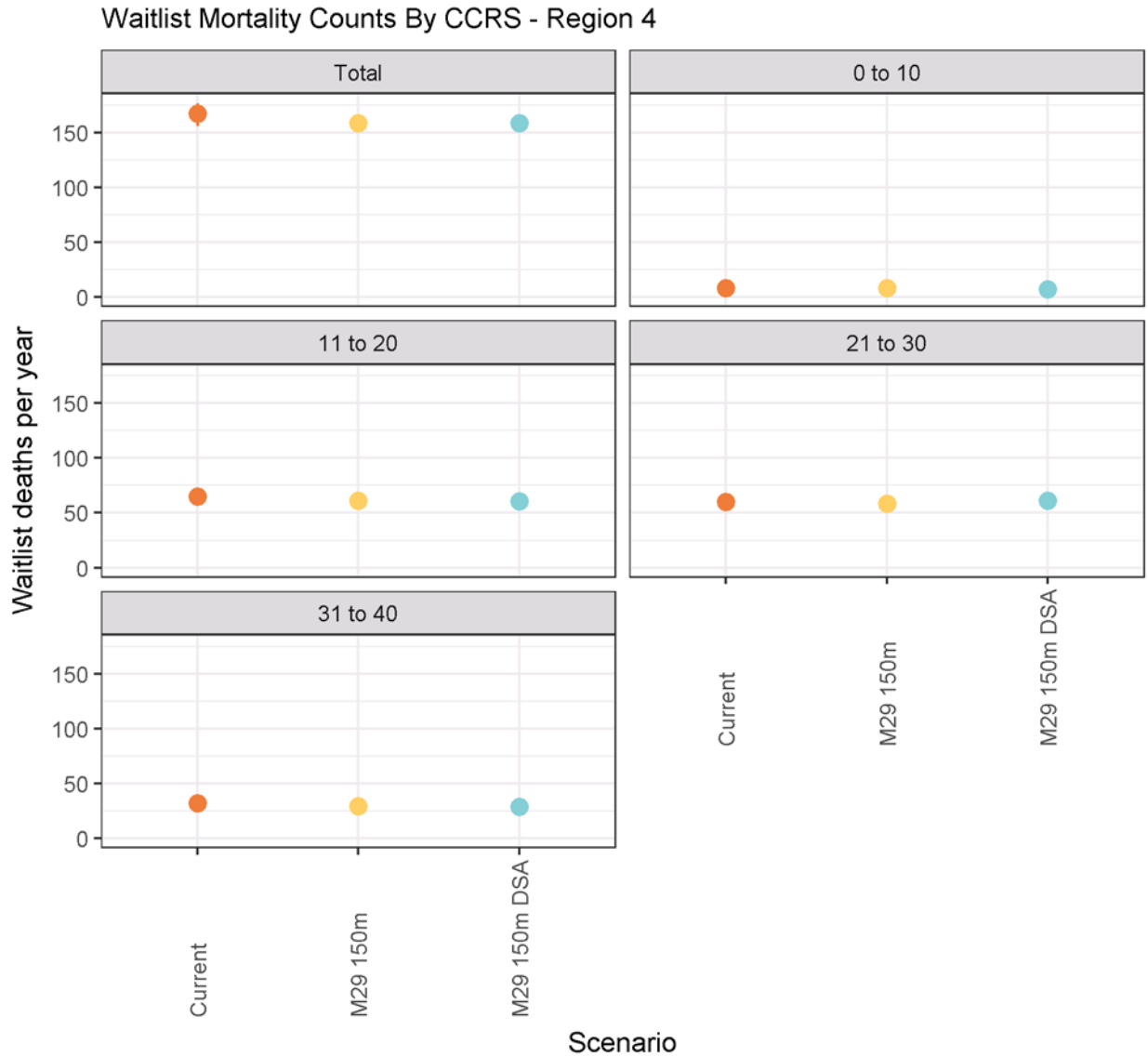


Figure 173 Waitlist mortality counts by CCRS - region 4

Table 173 Waitlist mortality counts by CCRS - region 4

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	167 (155.7,176.7)	8 (6.3,9.7)	64.7 (59,71.7)	60.3 (53.7,65.7)	31.9 (27.7,35.7)
M29 150m	158.6 (151.3,164.3)	7.9 (6.7,9.3)	61.2 (57.7,66)	58.5 (54,64.3)	29.4 (26,33.7)
M29 150m DSA	158.6 (150.7,164.7)	7.2 (5,9.3)	60.4 (54.3,67.3)	61 (57,65.7)	28.6 (25,33.7)

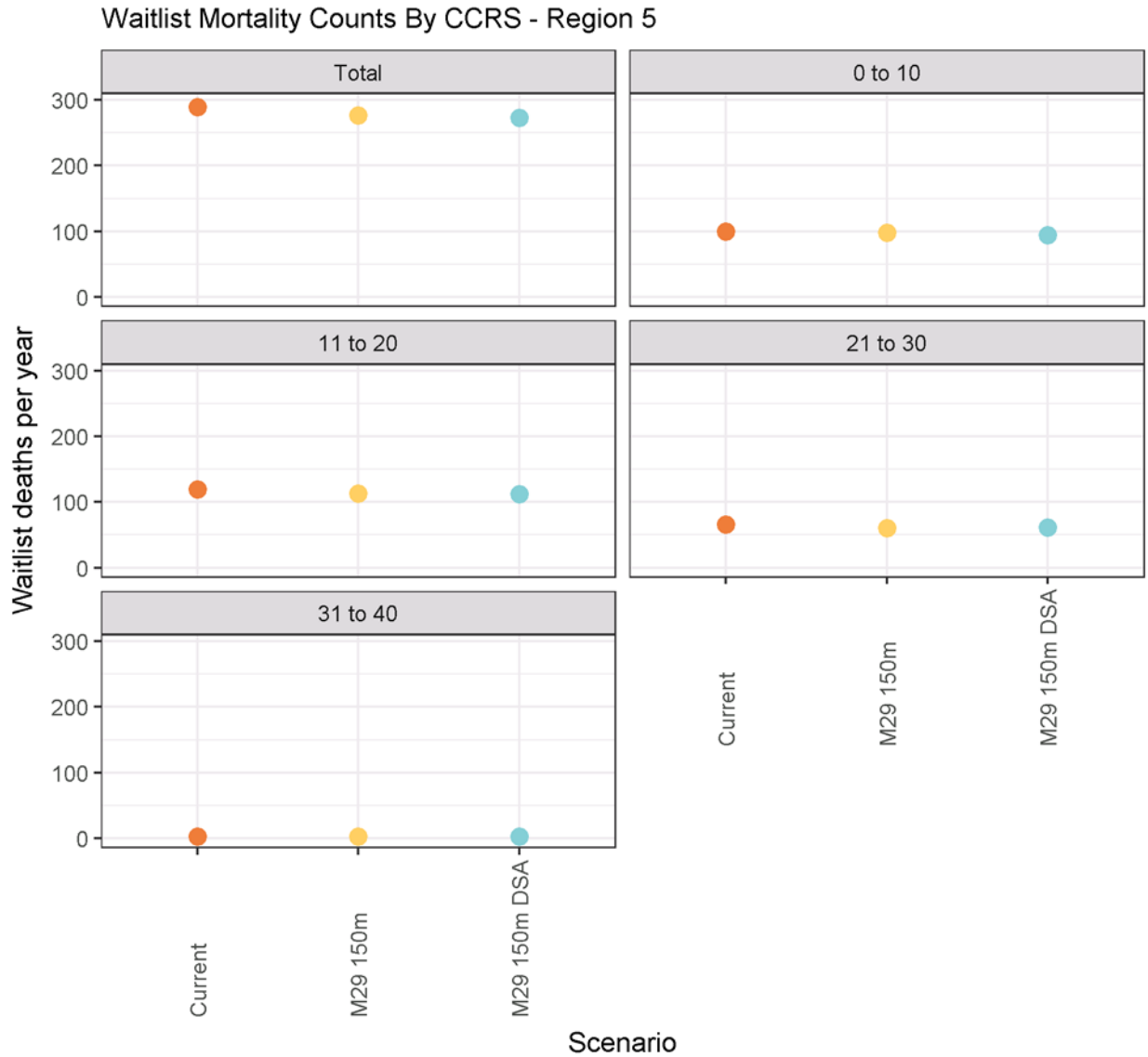


Figure 174 Waitlist mortality counts by CCRS - region 5

Table 174 Waitlist mortality counts by CCRS - region 5

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	288.9 (281.3,295)	99.5 (91,104.7)	119 (112.3,123.7)	65.6 (60.3,69.7)	3 (2,4)
M29 150m	277 (264,283)	98.3 (93,108)	113 (108,117.7)	60.6 (56.3,67.3)	3.2 (2.7,4)
M29 150m DSA	272.7 (264.3,281.3)	94.6 (87,99.3)	112.3 (104.7,117.7)	61 (55.3,65)	2.9 (2.3,4)

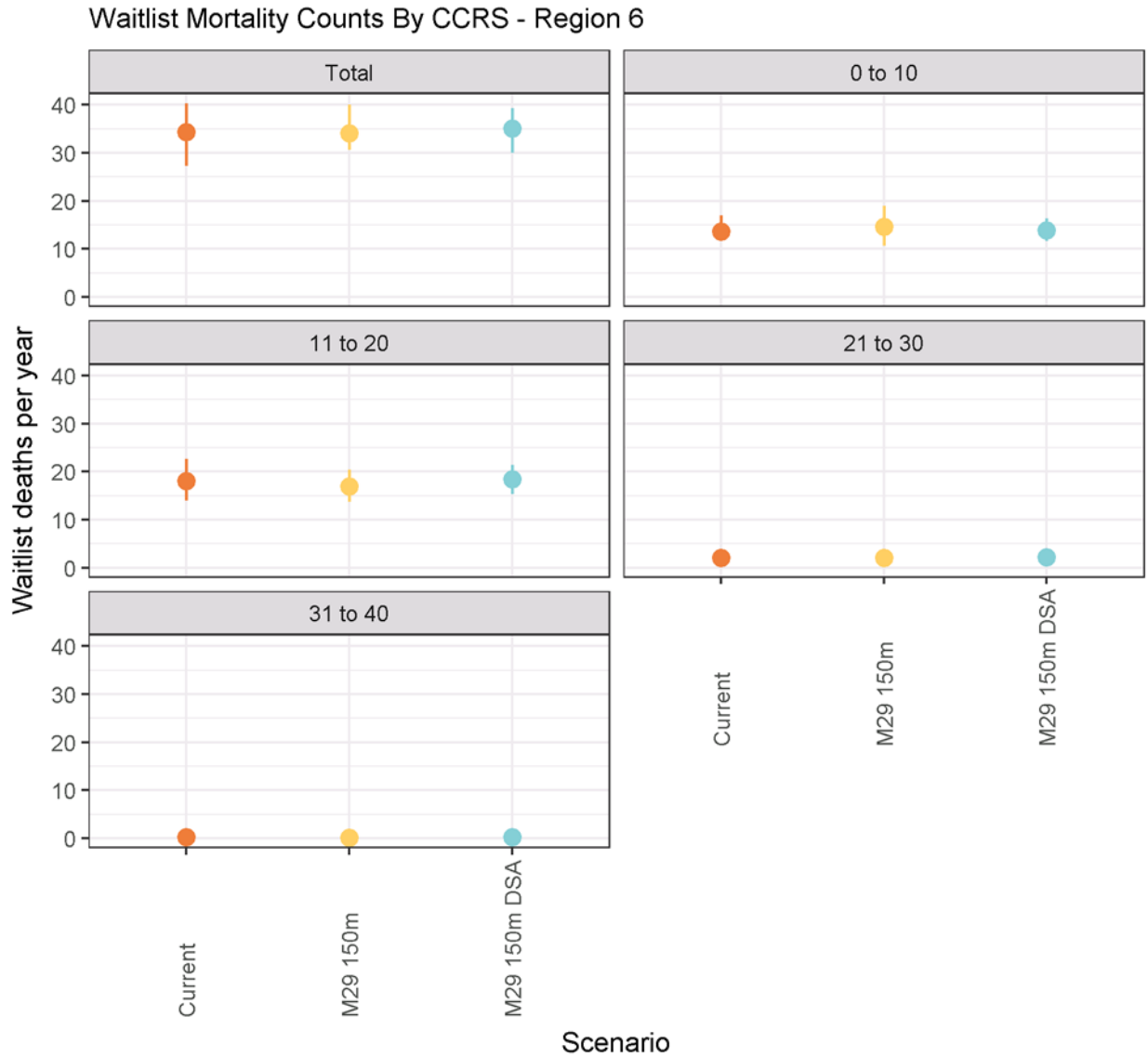


Figure 175 Waitlist mortality counts by CCRS - region 6

Table 175 Waitlist mortality counts by CCRS - region 6

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	34.3 (27.3,40.3)	13.6 (11.7,17)	18.1 (14,22.7)	2 (1,3)	0.2 (0,0.7)
M29 150m	34.1 (30.7,40)	14.7 (10.7,19)	16.9 (13.7,20.3)	2 (1,3)	0.1 (0,0.7)
M29 150m DSA	35.1 (30,39.3)	13.9 (11.7,16.3)	18.4 (15.3,21.3)	2.2 (1.7,3.7)	0.2 (0,0.7)

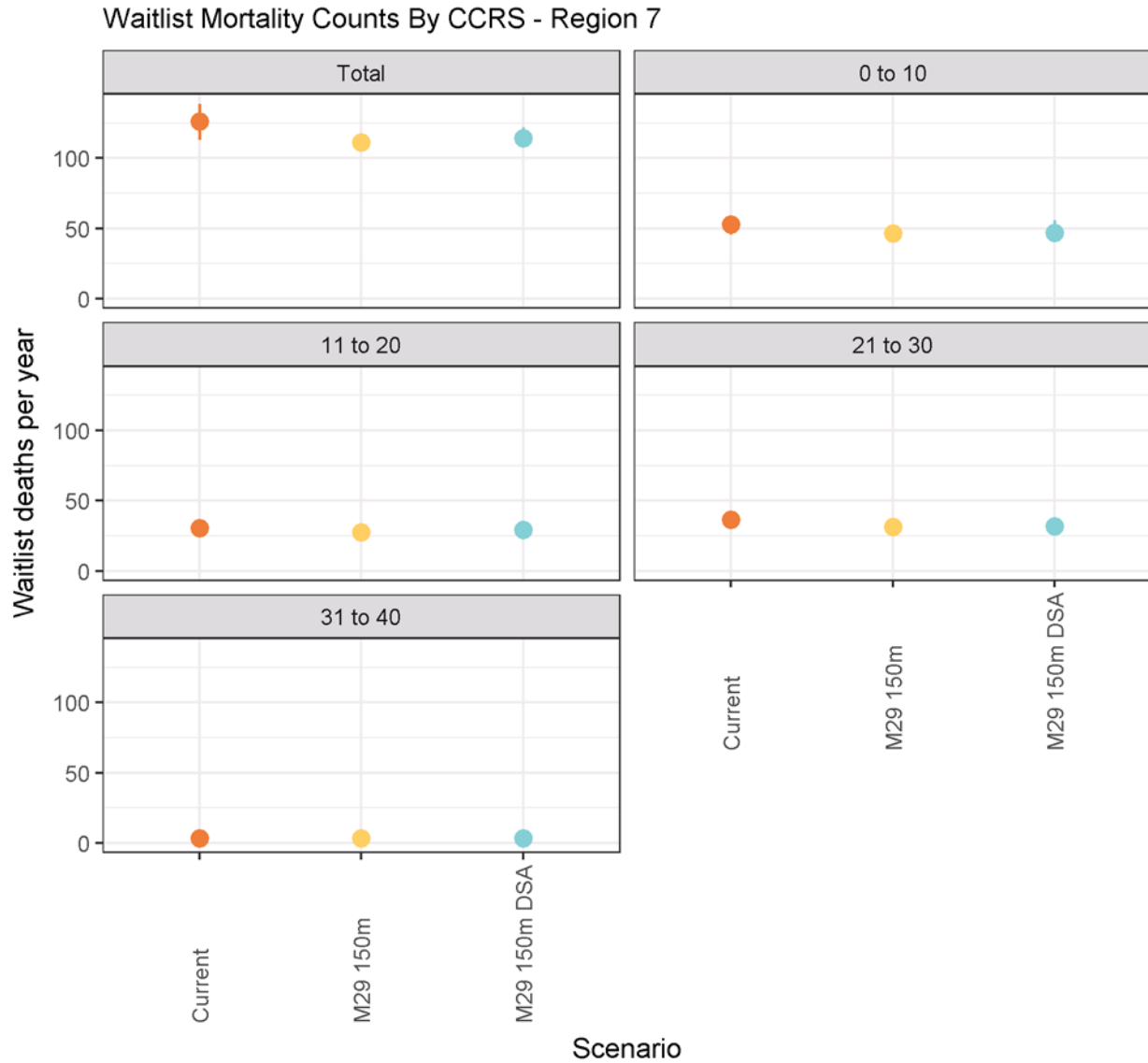


Figure 176 Waitlist mortality counts by CCRS - region 7

Table 176 Waitlist mortality counts by CCRS - region 7

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	126 (113,138.7)	52.8 (45.7,59.3)	30.6 (26.7,34)	36.5 (33.3,41.3)	3.4 (2,5)
M29 150m	111.4 (107.3,117)	46.3 (41.7,52.3)	27.4 (22,32.3)	31.3 (29,33.7)	3.5 (2.3,5.3)
M29 150m DSA	114.2 (108.7,122)	47 (42,55.7)	29.1 (25,32.3)	32 (27.3,35.7)	3.4 (2,5.3)

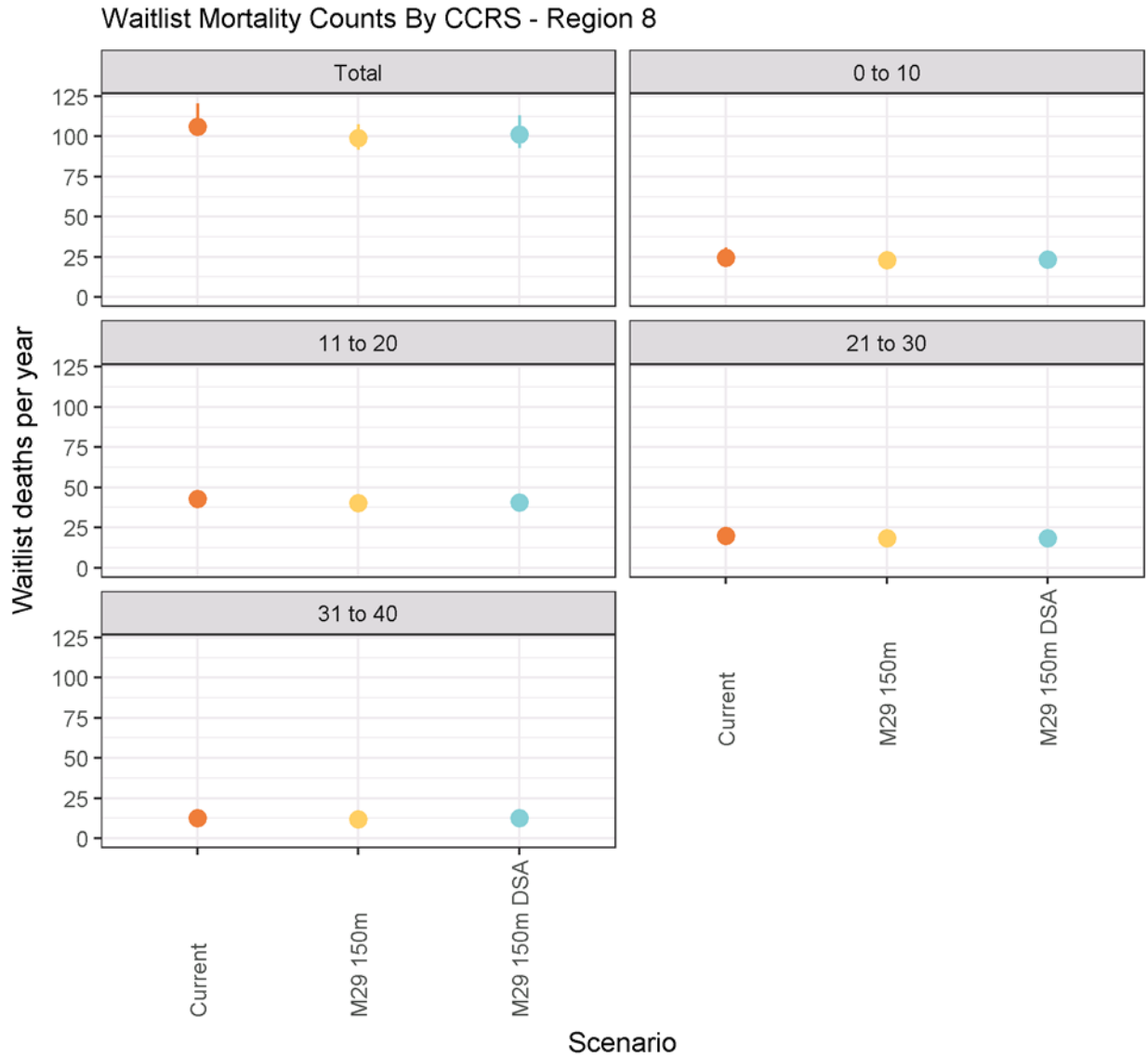


Figure 177 Waitlist mortality counts by CCRS - region 8

Table 177 Waitlist mortality counts by CCRS - region 8

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	106.1 (100.7,120.7)	24.5 (21.7,30.7)	42.7 (38,47)	19.7 (16.7,24.7)	12.5 (10,13.7)
M29 150m	99.1 (91.7,107.7)	23.1 (20,26.7)	40.1 (35,43)	18.3 (13.3,21.3)	11.7 (10.3,13.3)
M29 150m DSA	101.2 (92.7,113)	23.2 (19.3,29)	40.8 (37,45.7)	18.3 (15.7,21)	12.6 (11,14)



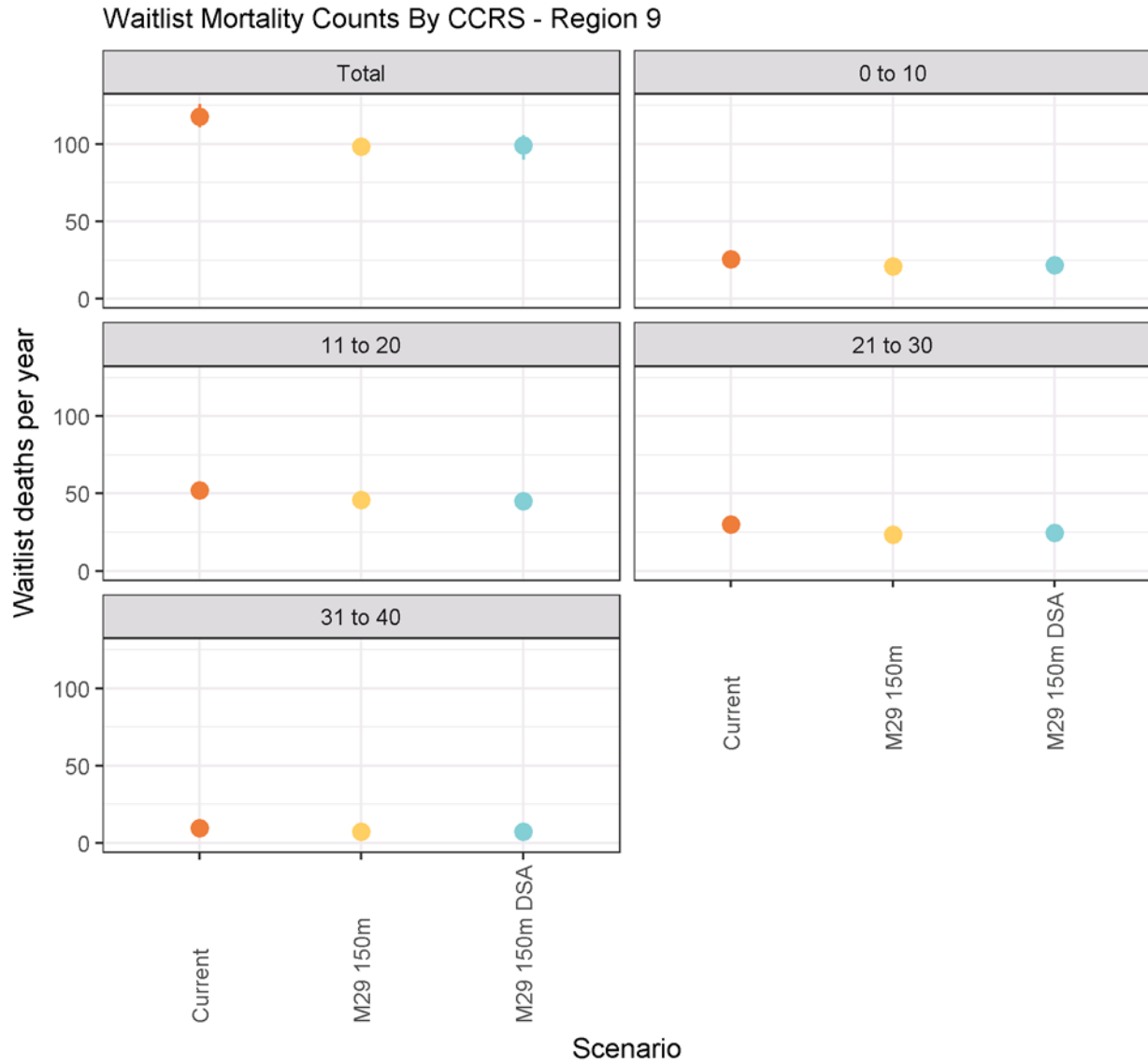


Figure 178 Waitlist mortality counts by CCRS - region 9

Table 178 Waitlist mortality counts by CCRS - region 9

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	117.6 (110.7,126)	25.6 (21.7,28)	52.2 (48.3,58)	29.9 (26.7,33.3)	9.8 (8,11)
M29 150m	98.2 (93.3,101.7)	21.1 (18,25.3)	45.9 (42.7,48.7)	23.6 (21.3,26.3)	7.3 (5.7,9)
M29 150m DSA	99.2 (90,105.7)	21.8 (17.3,25)	45.2 (40.3,48.7)	24.6 (19.3,28.3)	7.4 (5.7,10)

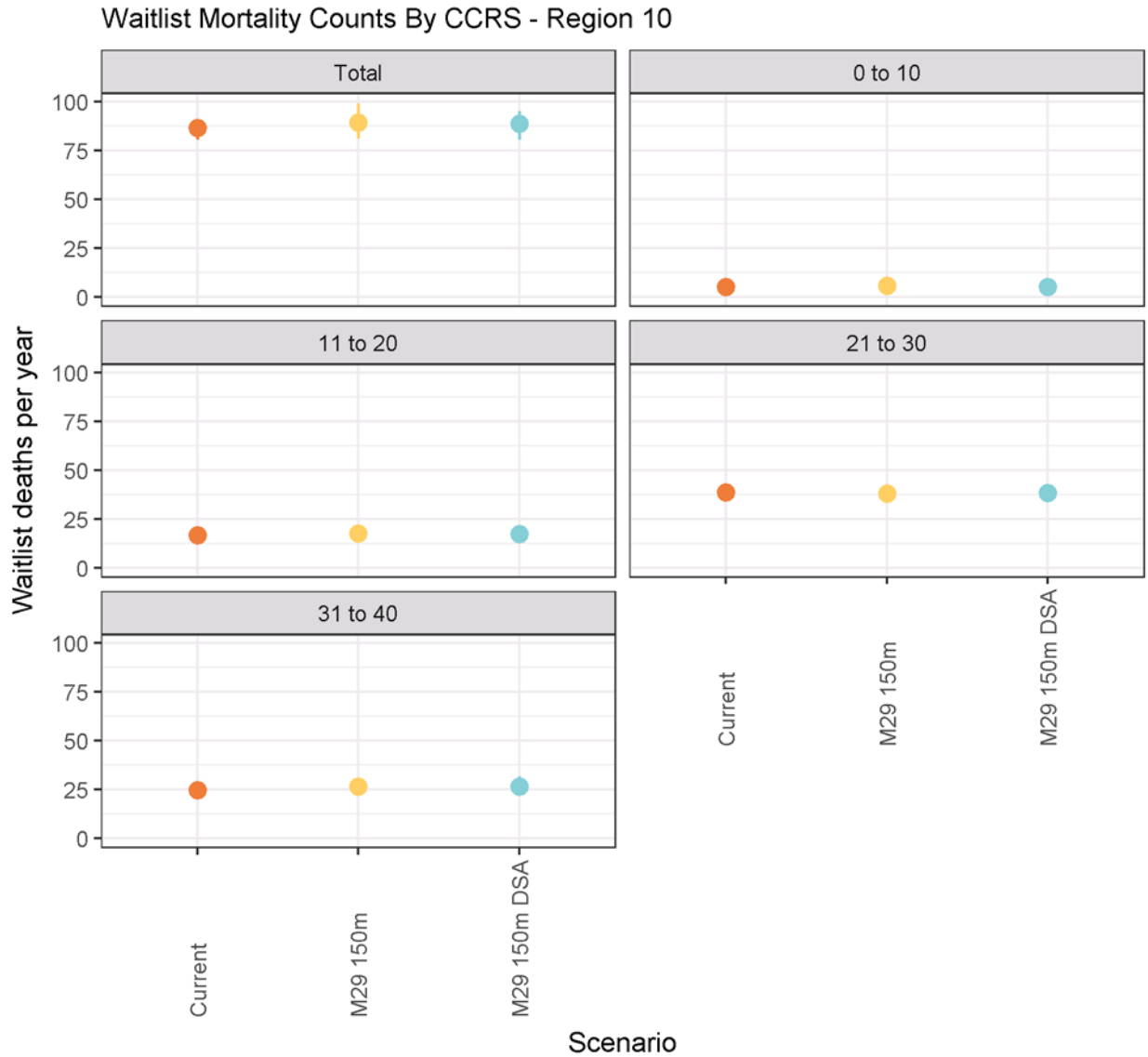


Figure 179 Waitlist mortality counts by CCRS - region 10

Table 179 Waitlist mortality counts by CCRS - region 10

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	86.7 (80.7,91)	5.3 (3.7,7)	16.7 (13.3,19.7)	38.7 (35.3,43)	24.7 (22.3,29)
M29 150m	89.4 (81.3,99.3)	6 (4.7,7)	17.5 (14.3,20.3)	38.2 (34,41.3)	26.5 (22.3,30.7)
M29 150m DSA	88.9 (80.7,95.3)	5.1 (3.3,6.7)	17.4 (13.3,20)	38.5 (33.3,43)	26.6 (23,31.7)

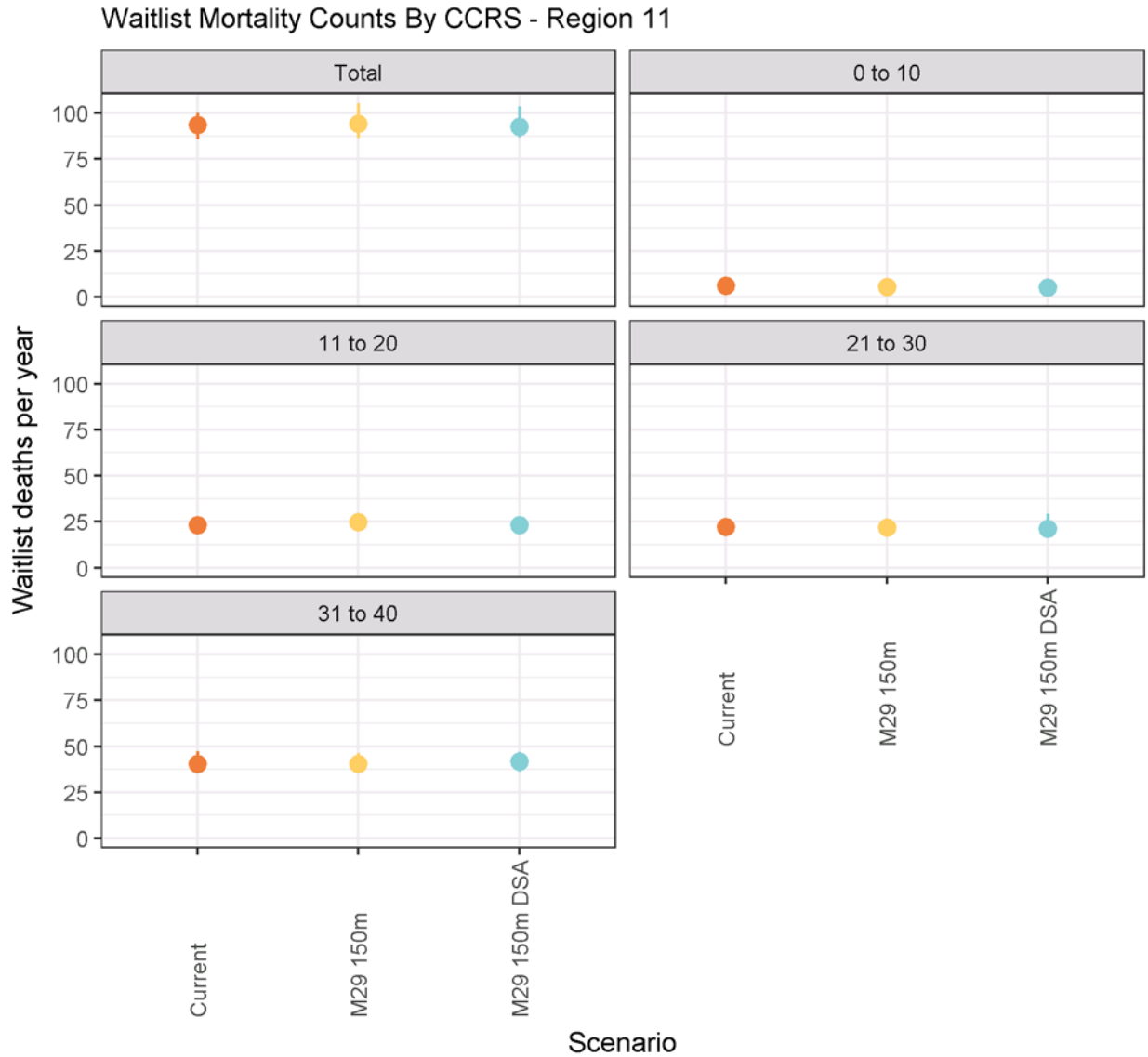


Figure 180 Waitlist mortality counts by CCRS - region 11

Table 180 Waitlist mortality counts by CCRS - region 11

Scenario	Total	0 to 10	11 to 20	21 to 30	31 to 40
Current	93.4 (85.7,100)	6 (4,8.3)	23.3 (19.7,27)	22.1 (17.3,24.7)	40.5 (35.7,47.3)
M29 150m	94.2 (86.3,105.3)	5.6 (3,7.7)	24.7 (21.3,27.3)	22 (17,26.3)	40.4 (36.7,46.3)
M29 150m DSA	92.5 (86.7,103.7)	5.3 (3.7,7)	23 (19.7,26)	21.2 (17.7,29.3)	41.7 (36.3,47)