

# A Real-World Perspective of Quadruple Treatment Patterns for 1L Multiple Myeloma Patients Across North and South America, Europe, and Asia

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## Background

- Recent combination therapies, such as quadruple (QD) therapy, have become the preferred first-line (1L) treatment option for multiple myeloma (MM) patients.
- These QD combinations have proved to be safer and more effective for MM patients, offering prolonged and sustained responses over time.
- Changes to the 2025 NCCN guidelines include an update to the list of primary regimens for MM 1L in stem cell transplantation (SCT) eligible patients, moving the QD therapy, daratumumab + bortezomib + lenalidomide + dexamethasone (D-VRd), from other recommended regimens to a preferred regimen (category 1) and adding the QD therapy, isatuximab-irfc + bortezomib + lenalidomide + dexamethasone (Isa-VRd) to other recommended regimens.
- Isa-VRd QD therapy was also added for MM 1L SCT ineligible patients as preferred regimens (category 1).

## Objectives

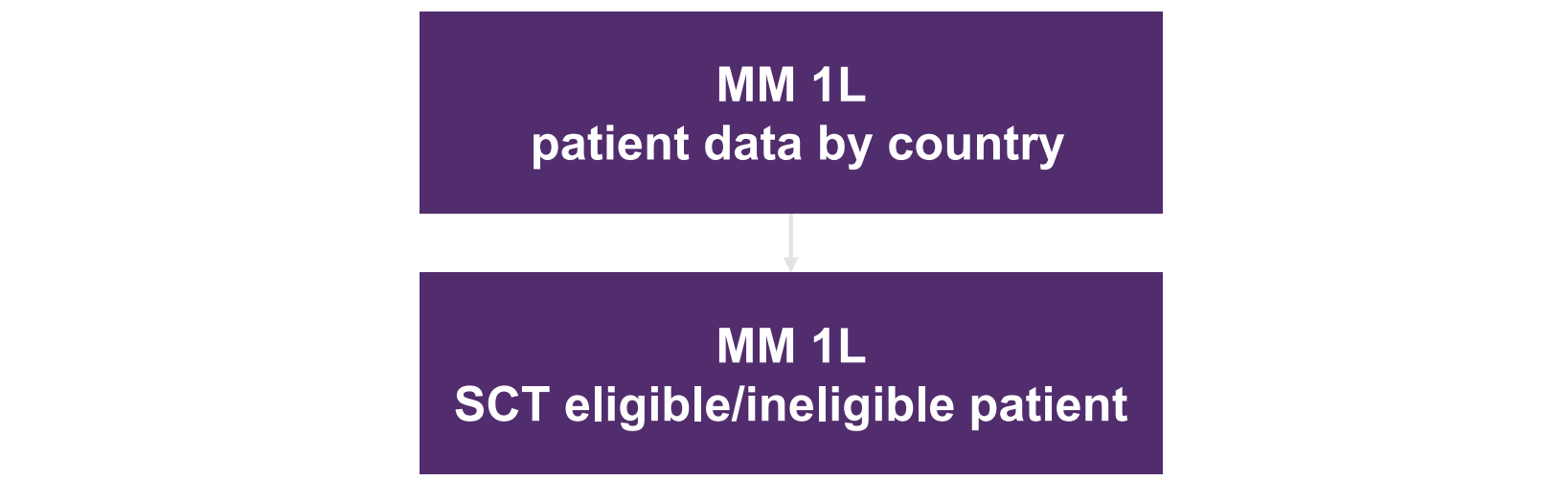
- The objective of this study is to identify and examine QD treatment patterns among 1L MM patients across different countries in the top 10 markets (Brazil, Mexico, US, France, Germany, Italy, Spain, UK, China, and Japan).

## Methods

Patients who received at least one line of therapy were identified through PPD™ Oncolocator™ Global Cancer Treatment Patterns™, a real-time data collection tool, to examine treatment patterns reported by healthcare providers (HCPs) (Figure 1).

- Data were collected on 1L MM patients from December 2022 to November 2024 who were treated with a drug combination that specifically includes a proteasome inhibitor, an immunomodulatory drug, a steroid, and anti-CD38 called as QD.

Figure 1. PPD™ Oncolocator™ Global Cancer Treatment Patterns MM 1L Data Examination



MM 1L SCT eligible patients Type of treatment share	MM 1L SCT ineligible patients Type of treatment share
MM 1L SCT eligible patients Treatment share QD examination	MM 1L SCT ineligible patients Treatment share–QD examination
Conclusion about QD treatment for MM 1L patients by country SCT eligible/ineligible patient data	

Abbreviations: 1L = first-line; MM = multiple myeloma; QD = quadruple; SCT= stem cell transplantation

## Results

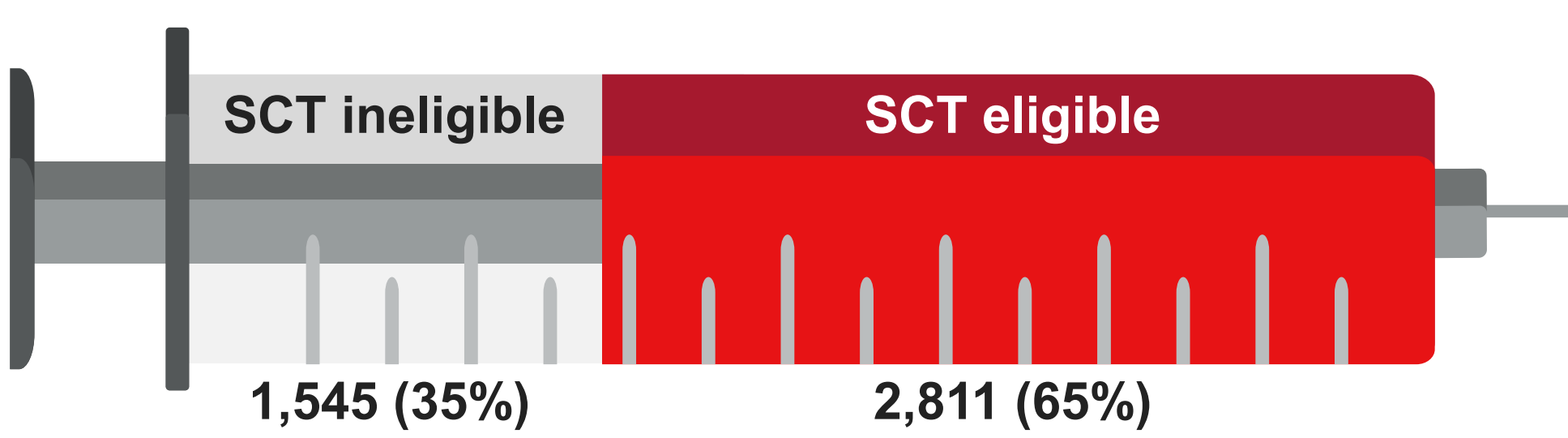
- A total of 4,356 patients were included in the cohort, with an average of 425 patients per country. Among those 1L MM patients, 65% (n=2,811) were SCT eligible, and 35% (n=1,545) were SCT ineligible (Table 1) and (Figure 2).

Table 1. MM 1L Patients by Country

Country	Total No. of MM 1L Patients	Total % of MM 1L Patients
Italy	551	13%
Spain	547	13%
Brazil	497	11%
China	478	11%
Japan	478	11%
US	464	11%
Germany	400	9%
France	388	9%
UK	333	8%
Mexico	220	5%
Grand Total	4,356	100%

Abbreviations: 1L = first-line; SCT= stem cell transplantation  
Data: PPD™ Oncolocator™ Global Cancer Treatment Patterns™, November 2022 –December 2024, MM 1L patients (n=4,356).

Figure 2. MM 1L Patients by SCT Status



Abbreviations: 1L = first-line; MM = multiple myeloma; SCT= stem cell transplantation  
Note: SCT eligible includes patients who have undergone SCT.  
Data: PPD™ Oncolocator™ Global Cancer Treatment Patterns™, November 2022–December 2024, MM 1L patients (n=4,356).

### MM 1L SCT Eligible Patients

- Among 1L SCT eligible patients (n=2,811), the average number of patients per country was 281 patients (n=131–434).
- QD treatment use was highest in France (89%), followed by Germany (82%), Italy (63%), and the UK (61%) (Figure 3).

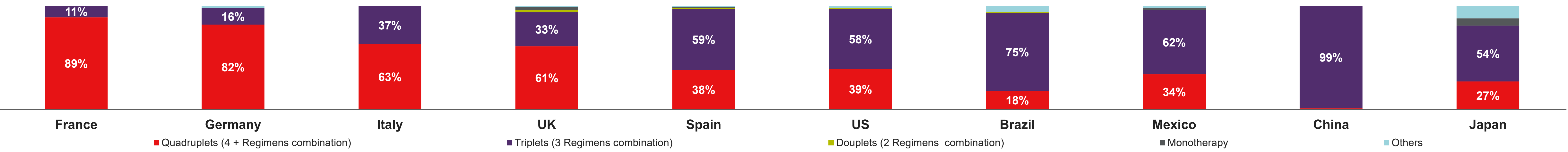
## Conclusions

- Contemporary real-world data on QD trends reflect an evolving landscape, particularly with treatment patterns for SCT eligible MM patients across the US and EU regions.
- Examining QD standards and trends across various countries and time periods can help stakeholders and communities enhance their understanding of the adoption rates of the most recent treatment approvals.
- Monitoring data on QD patterns will provide valuable insights into any persistent market changes, as additional assessments are needed to evaluate the global use of QDs.

### References

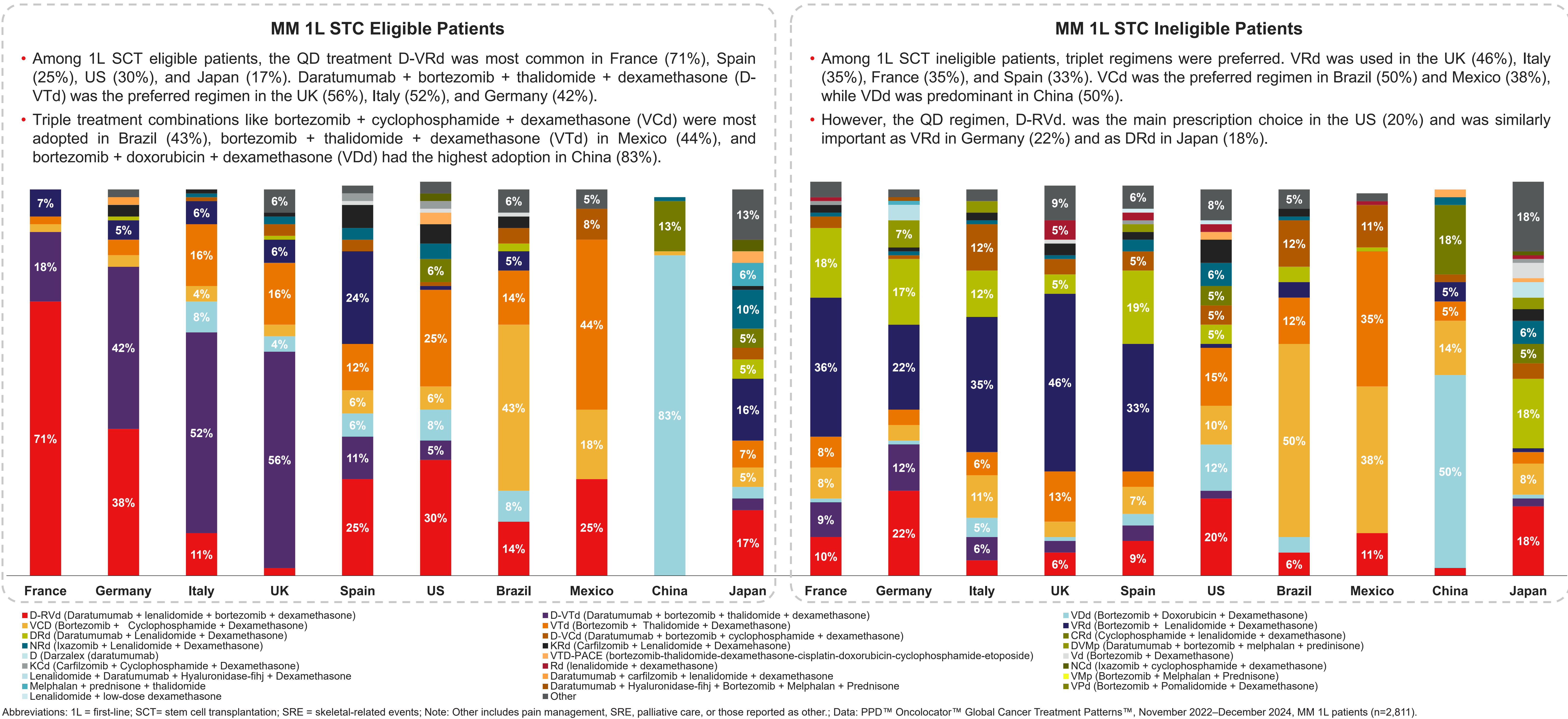
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Figure 3. Treatment Share by Combination Type (MM 1L SCT Eligible Patients)



Abbreviations: 1L = first-line; SCT= stem cell transplantation; SRE = skeletal-related events; Note: Other includes pain management, SRE, palliative care, or those reported as other.; Data: PPD™ Oncolocator™ Global Cancer Treatment Patterns™, November 2022–December 2024, MM 1L patients (n=2,811).

Figure 4. Treatment Share by Country (MM 1L SCT Eligible and Ineligible Patients)



Abbreviations: 1L = first-line; SCT= stem cell transplantation; SRE = skeletal-related events; Note: Other includes pain management, SRE, palliative care, or those reported as other.; Data: PPD™ Oncolocator™ Global Cancer Treatment Patterns™, November 2022–December 2024, MM 1L patients (n=2,811).

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