

Updated Analysis of Survival and Treatment Evolution in European Multiple Myeloma Patients (2012–2023) Across 7 Countries From the HONEUR Network

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<https://www.congresshub.com/ASH2025/Oncology/Daratumumab/Comos>

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Introduction

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- As treatment options for MM evolve, real-world data analyses can enhance the validity of evidence-based treatment decisions by supplementing clinical trial data¹⁻⁴
- We assess how treatment patterns and clinical outcomes have evolved in patients with MM who initiated treatment between 2012 and 2023 within the HONEUR federated data network⁵
- To date, the HONEUR federated data network has gathered over 80,000 treated patients with MM from 27 partners
- Here, we present updated results from a previously published analysis at ASH 2024,⁶ featuring extended follow-up and the inclusion of new countries
- At the time of the study, daratumumab was the sole anti-CD38 agent to hold European Medicines Agency approval for first-line therapy in both transplant-eligible and transplant-ineligible patients

HONEUR, Haematology Outcomes Network in Europe; MM, multiple myeloma.

1. National Comprehensive Cancer Network (NCCN). *Multiple Myeloma*. (Version 2.2026). 2. Palumbo A, Anderson K. *N Engl J Med* 2011;364:1046-60. 3. Chari A, et al. *Clin Lymphoma Myeloma Leuk* 2019;19:645-55.

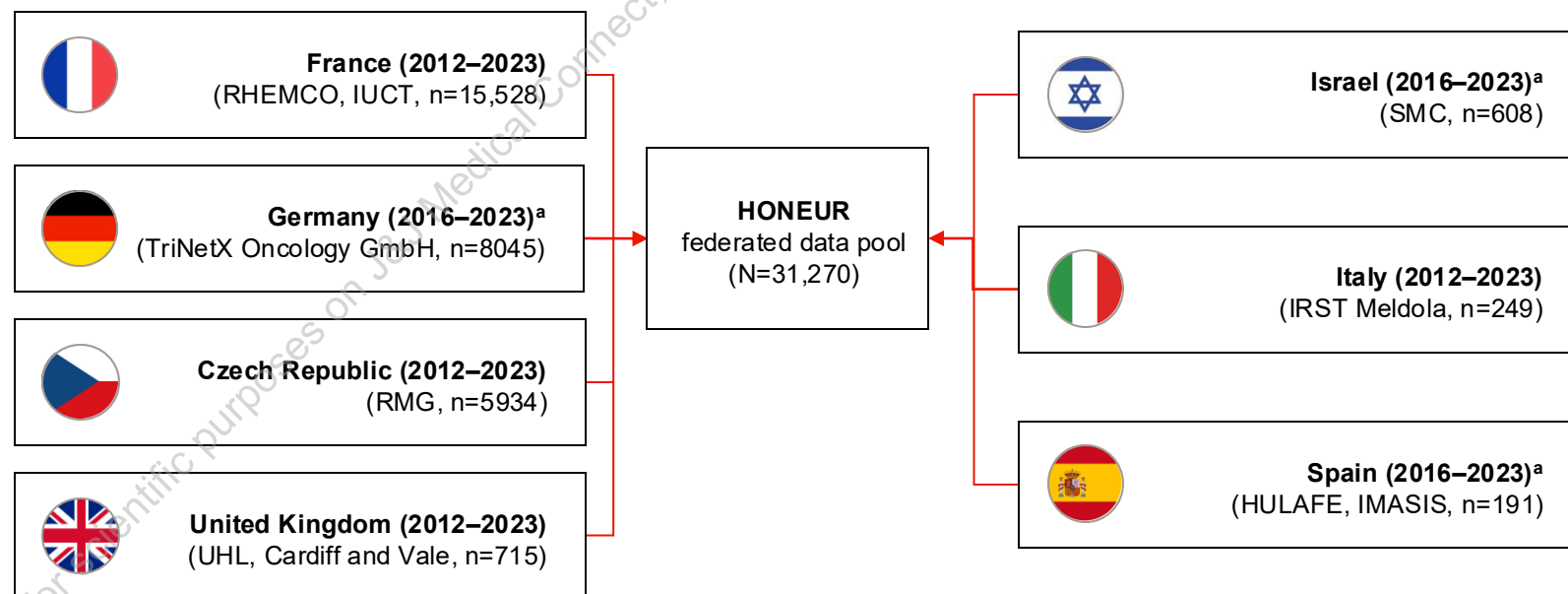
4. Fonseca R, et al. *BMC Cancer* 2020;20:1087. 5. HONEUR. HONEUR Multiple Myeloma Registry Data. Accessed October 20, 2025. <https://www.honeur.org/>. 6. Rückert M, et al. *Blood* 2024;144:2388.



HONEUR: Study Population

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- Data from patients newly diagnosed with MM starting treatment between 2012 and 2023 in 10 registries across 7 European countries were explored
- From 2012–2023, 31,270 patients with MM initiated frontline therapy:
 - 15,528 (50%) in France
 - 8045 (26%) in Germany
 - 5934 (19%) in Czech Republic
 - 715 (2%) in UK
 - 608 (2%) in Israel
 - 249 (1%) in Italy
 - 191 (1%) in Spain
- Median follow-up was 46.0 months
 - Germany (TrinetX, 40.7), Czech Republic (RMG, 67.8), France (IUCT, 42.2), UK (UHL, 42.5), UK (Cardiff, 25.5), Israel (SMC, 59.3), Spain (HULAFE, 44.3), Spain (IMASIS, 37.0), France (RHEMCO, 84.3), and Italy (Meldola, 58.7)



^aData collection began in 2016.

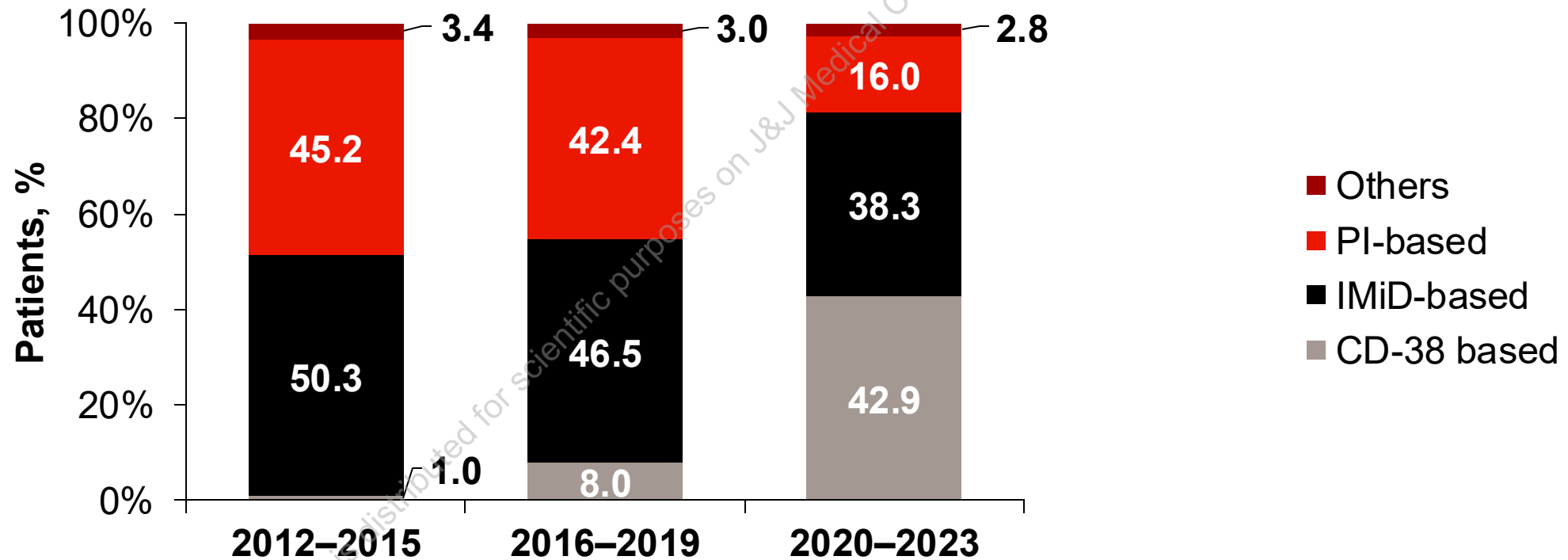
Cardiff and Vale, Cardiff and Vale University Health Board; HONEUR, Haematology Outcomes Network in Europe; HULAFE, Hospital Universitario La Fe; IMASIS, Institut Municipal d'Assistència Sanitària hospital information system; IUCT, Institut Universitaire du Cancer de Toulouse; MM, multiple myeloma; RHEMCO, Registre des Hémopathies Malignes de Côte d'Or; RMG, The Registry of Monoclonal Gammopathies; SMC, Sourasky Medical Center; UHL, University Hospitals Leicester.



Frontline Treatment Regimens Evolved Over Time From PI- to Anti-CD38–Based Regimens

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Utilization of frontline treatment regimens across periods



CD38-based is any treatment with CD38 (CD38, PI + CD38, IMiDs + CD38, PI + IMiDs + CD38). IMiD-based is IMiDs, PI + IMiDs. PI-based is only PI.
IMiD, immunomodulatory drug; PI, proteasome inhibitor.

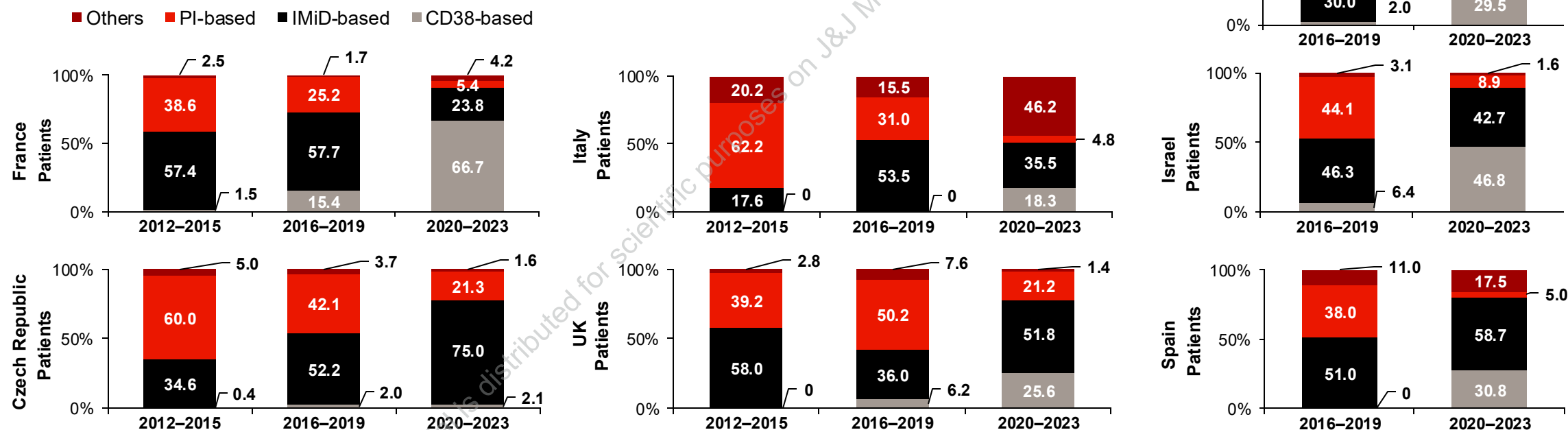


Treatment Patterns Across Countries

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- Treatment patterns varied across countries; variations were related to when anti-CD38-based regimens became available for frontline treatment

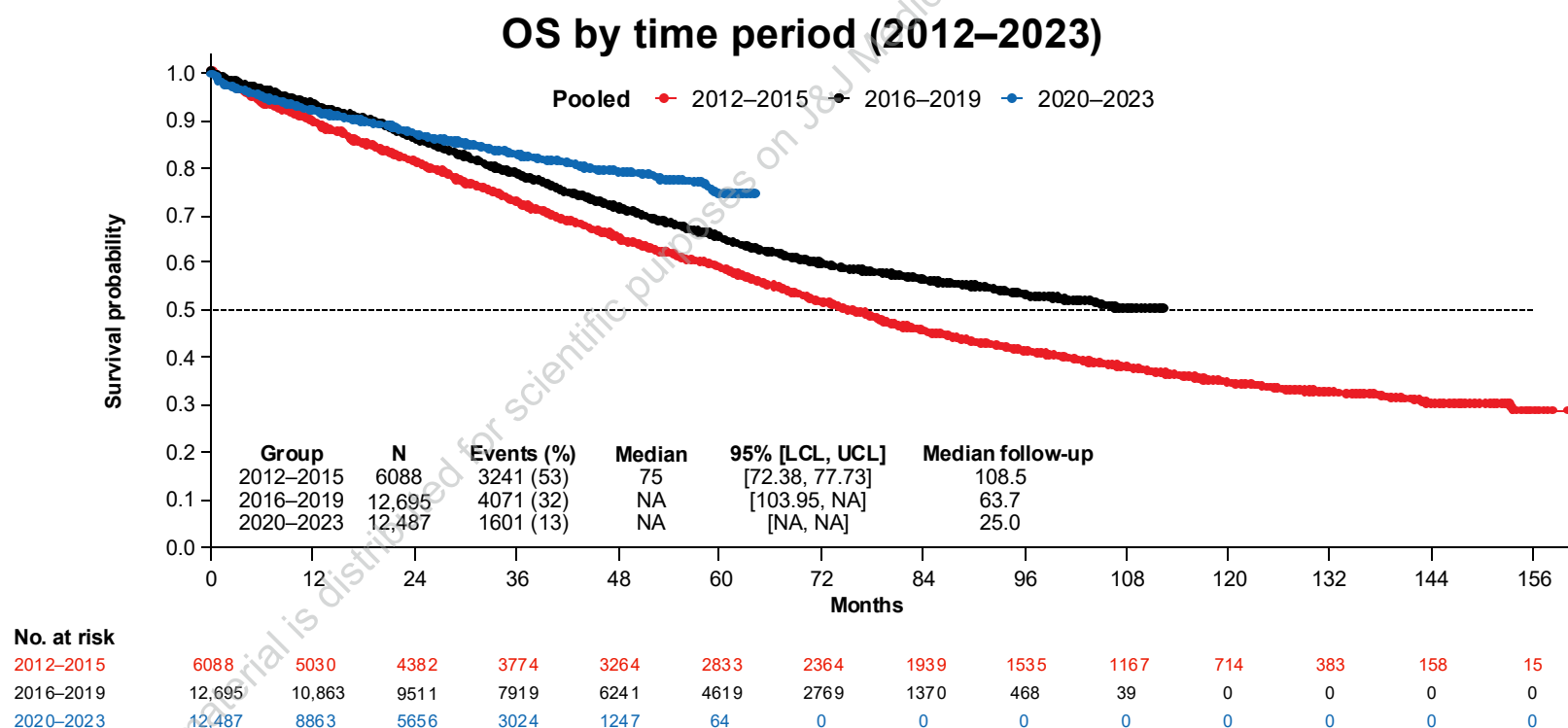
Utilization of frontline treatment regimens over time by country



Survival Outcomes Improved Over Time

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- Overall, median OS and frontline TTNT were 93.8 months and 30.6 months, respectively
 - Median OS improved from 75.0 months for the 2012–2015 cohort to not reached for the 2020–2023 cohort (HR, 0.63; $P < 0.001$)
 - Median frontline TTNT was 29 months for the 2012–2015 cohort vs 35.2 months for the 2020–2023 cohort (HR, 0.63; $P < 0.001$)



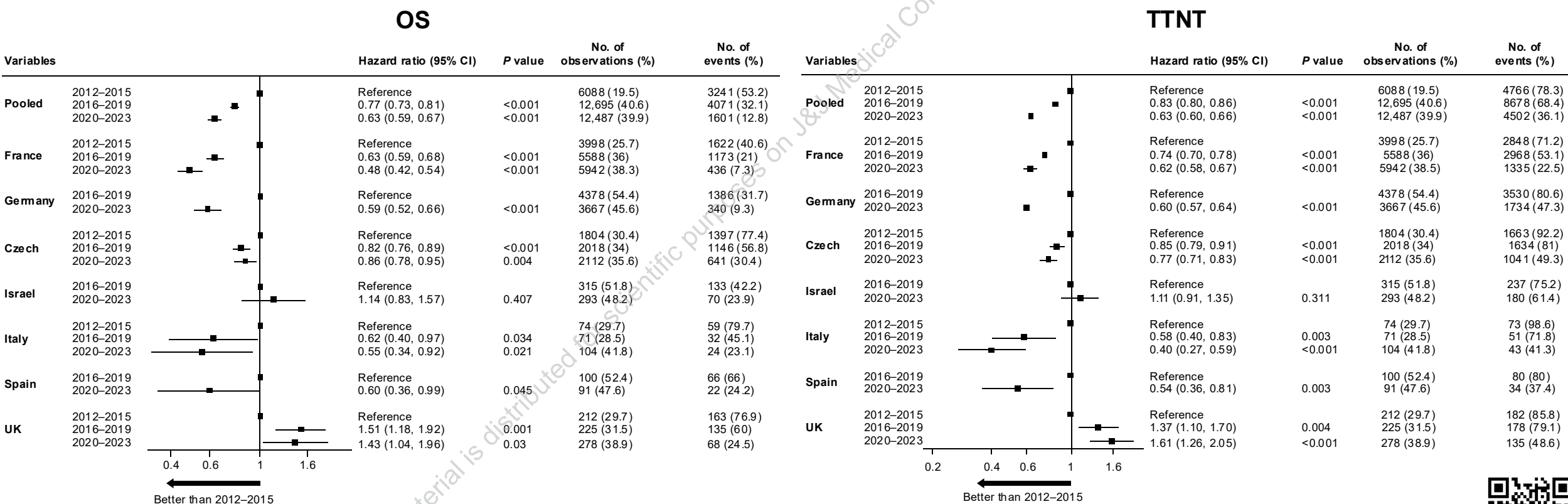
HR, hazard ratio; LCL, lower confidence limit; NA, not applicable; OS, overall survival; TTNT, time to next treatment; UCL, upper confidence limit.



Evolution of OS and TTNT Over Time in the Pooled Population and Per Country

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- While some countries had limited or no data recorded in the first period (Germany, Israel and Spain), outcomes improved over time in France, Germany, Italy, and Spain
- Other countries exhibited no observed differentiation (Czech Republic and Israel) or a decline (UK) during 2020–2023



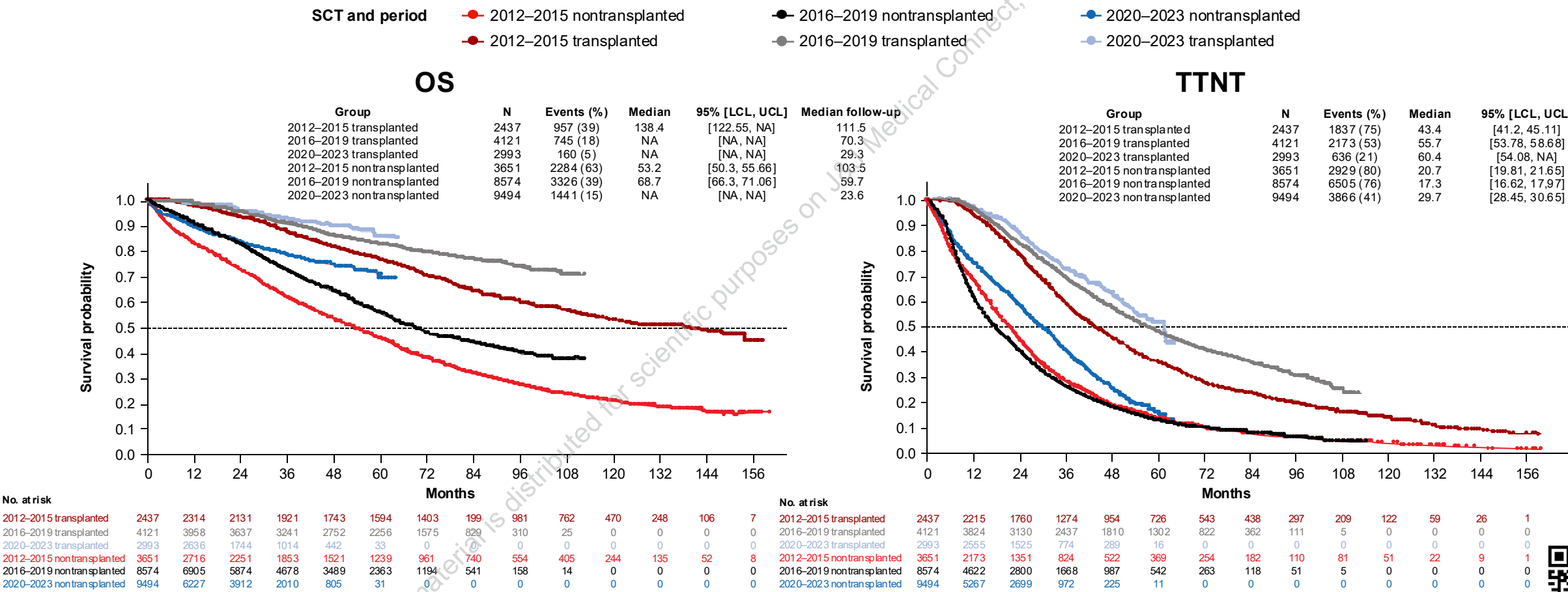
HRs in the pooled population were calculated using a univariable Cox model stratified by country to account for between-country differences. HR, hazard ratio; OS, overall survival; TTNT, time to next treatment.



Outcomes by Transplant Status and Time Period

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- Across time periods, OS and TTNT were longer in patients who received stem cell transplant vs those without transplant



HR, hazard ratio; LCL, lower confidence limit; NA, not applicable; OS, overall survival; TTNT, time to next treatment; UCL, upper confidence limit.



Conclusions

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- Extended follow-up and additional countries consistently highlight an increased adoption of CD38-based regimens, along with improved TTNT and OS over time from the first (2012–2015) to the last (2020–2023) period
- Survival outcomes improved over time in France, Germany, Italy, and Spain, coinciding with increased uptake of CD38-based regimens, while other countries showed no difference (Czech Republic and Israel) or a decline (UK) during 2020–2023
- Median OS and TTNT were longer in the 30.5% of patients who received stem cell transplant

Real-world data indicate that survival rates for patients with MM have improved over time, especially in the latest period, coinciding with the approval and availability of daratumumab in frontline treatment

