MSD Oncology

KEYTRUDA[®]

(pembrolizumab)

KEYTRUDA[®] (pembrolizumab) in the adjuvant treatment of patients with Stage IIB and IIC melanoma

Adverse events should be reported. Reporting forms and information can be found at <u>https://yellowcard.mhra.gov.uk/</u> or search for MHRA Yellow Card in the Google Play or Apple App Store. Adverse events should also be reported to MSD (Tel: 020 8154 8000). By clicking the above link, you will leave the MSD website and be taken to the MHRA website.

Please refer to the full KEYTRUDA Summary of Product Characteristics and Risk Minimisation Materials for Patients before prescribing KEYTRUDA.

These slides are provided to UK healthcare professionals as a resource for data for your personal education. To ensure compliance with all relevant codes and regulations, these slides must not be amended.

Images are illustrative of the range of patients diagnosed with melanoma.

UK prescribing information can be found at https://www.emcpi.com/pi/33162. Full indications can be found on Slide 2.

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melanoma

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GB-OOC-00946 | Date of preparation: April 2025

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melanoma



KEYTRUDA melanoma indications¹

 KEYTRUDA as monotherapy is indicated for the treatment of adults and adolescents aged 12 years and older with advanced (unresectable or metastatic) melanoma KEYTRUDA as monotherapy is indicated for the adjuvant treatment of adults and adolescents aged
 12 years and older with Stage IIB, IIC or III melanoma and who have undergone complete resection

Dosing information¹

- Patients with advanced melanoma should be treated with KEYTRUDA until disease progression or unacceptable toxicity
- For the adjuvant treatment of melanoma, KEYTRUDA should be administered until disease recurrence, unacceptable toxicity or the duration of up to 1 year
- The recommended dose of KEYTRUDA as monotherapy in adults is either 200 mg every 3 weeks or 400 mg every 6 weeks administered as an intravenous infusion over 30 minutes
- The recommended dose of KEYTRUDA as monotherapy in paediatric patients aged 12 years and older with melanoma is 2 mg/kg bodyweight (up to a maximum of 200 mg), every 3 weeks administered as an intravenous infusion over 30 minutes
- A link to the prescribing information for KEYTRUDA can be found at the top of each slide in this presentation
- For any queries, please contact your local MSD contact at <u>msdukoncology@msd.com</u>

MSD does not recommend the use of products outside their licensed indications. Please refer to the Summary of Product Characteristics and risk minimisation materials available on the EMC website before prescribing.

EMC, Electronic medicines compendium.

1. KEYTRUDA Summary of Product Characteristics. United Kingdom. Available at: https://www.medicines.org.uk/emc/product/2498 Accessed: March 2025.





KEYTRUDA offers flexibility of dosing¹



The 200 mg Q3W (once every 3 weeks) regimen has been assessed in Phase II and III registration studies across a multitude of indications of KEYTRUDA. An exposure-response evaluation, using modelling and simulation, led to the approval of the 400 mg Q6W (once every 6 weeks) dosing for monotherapy and combination therapy.

The recommended dose of KEYTRUDA as monotherapy in paediatric patients aged 12 years and older with melanoma is 2 mg/kg body weight (up to a maximum of 200 mg), every 3 weeks administered as an intravenous infusion over 30 minutes.

What does the flexibility of dosing mean for you and your patients?

Please refer to the KEYTRUDA Summary of Product Characteristics and patient Risk Minimisation Materials before prescribing KEYTRUDA.

bw, bodyweight; IV, intravenous; Q3W, every three weeks; Q6W, every six weeks.
 1. KEYTRUDA Summary of Product Characteristics. United Kingdom. Available at: <u>https://www.medicines.org.uk/emc/product/2498</u> Accessed: March 2025.



KEYNOTE-716 SAFETY DATA KEYNOTE-716 SUMMARY





for patients with resected

Stage IIB/IIC melanoma?

B melanoma

melanoma

KEYTRUDA

(pembrolizumab)

Stages of melanoma

5- and 10-year survival rates

Relapse rate and distant metastasis rate

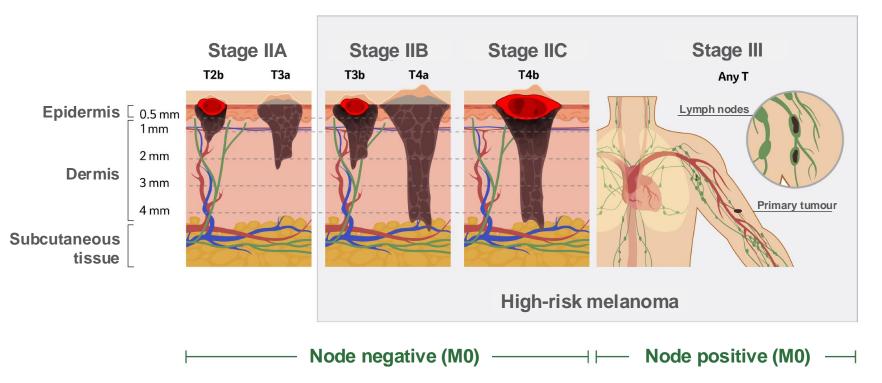
Time to relapse





Patients with melanoma Stage IIB or higher are at risk of recurrence following resection*^{1–3}

Stages of melanoma (based on the AJCC 8th edition clinical staging criteria for melanoma)*⁴



Adapted from Gershenwald JE, et al. CA Cancer J Clin. 2017.4

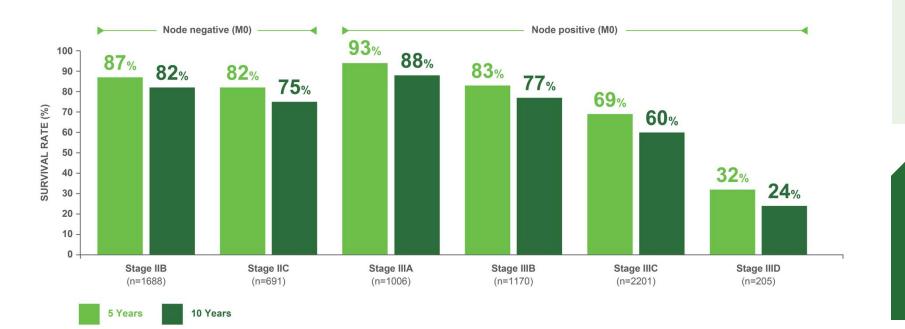
*Stage IV melanoma that is resectable is also high risk but is not discussed here.

AJCC, American Joint Committee on Cancer; M0, no evidence of distant metastasis; T, tumour.

Mohr P, et al. Melanoma Manag 2019;6:MMT33. Supplementary appendix. 2. Yushak M, et al. Am Soc Clin Oncol Educ Book 2019;39:e207–e211. 3. Lee AY, et al. Ann Surg Oncol 2017;24:939–946.
 Gershenwald JE. et al. CA Cancer J Clin 2017;67:472–492.



Melanoma-specific survival rates at 5- and 10-years according to AJCC 8th Edition pathologic staging criteria for melanoma¹



Survival data generated using IMDPP database, containing records of >46,000 patients with melanoma (n=43,792 qualified for analysis)

These data included patient records from 10 institutions in the US, Europe and Australia with melanoma at Stage I–III at initial diagnosis and had received treatment since 1998

Based on this survival data, how would your opinion on treating patients with Stage II melanoma change?

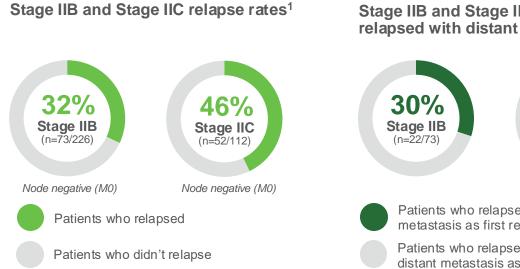
Adapted from Gershenwald JE, et al. CA Cancer J Clin. 2017.1



Data based on Kaplan-Meier estimates of melanoma-specific survival as reported by the AJCC melanoma expert panel.¹ AJCC, American Joint Committee on Cancer; **IMDPP**, International Melanoma Database and Discovery Platform. **1.** Gershenwald JE, *et al. CA Cancer J Clin* 2017;67:472–492.



Relapse rates in patients with Stage IIB melanoma are 32%, increasing to 46% in Stage IIC melanoma¹



Stage IIB and Stage IIC patients who relapsed with distant metastasis*1

52%

Stage IIC

(n=27/52)

Patients who relapsed with distant metastasis as first relapse

Patients who relapsed but didn't have distant metastasis as first relapse*

View relapse rates in Stage III

Data based on a retrospective review of 738 adult patients from a prospectively maintained, single-institution database, with resected pathologic Stage II primary cutaneous melanoma (AJCC 7th ed.)¹

- > All patients were treated at Memorial Sloan Kettering Cancer Center, USA, between January 1993 and December 2013
- > Patients underwent pathological nodal staging by sentinel lymph node biopsy or elective lymph node dissection
- Synchronous initial relapses were scored by the most advanced site. Secondary primary melanomas were not recorded as relapses
- > Median follow-up of all patients was 4.3 years (50.2 and 46.2 months for Stage IIB and Stage IIC melanoma, respectively)

Were you aware of the rate of distant relapses across **Stages IIB and IIC melanoma?**



*The remainder of patients experienced a local/in-transit or regional nodal relapse.

AJCC, American Joint Committee on Cancer; IMDPP, International Melanoma Database and Discovery Platform. 1. Lee AY, et al. Ann Surg Oncol 2017;24:939-946.



The median time to relapse from resection is under 2 years for Stage IIB and under 1.5 years for Stage IIC¹

Median time to relapse in Stage IIB and Stage IIC¹



View time to relapse in Stage III

Data based on a retrospective review of 738 adult patients from a prospectively maintained, single-institution database, with resected pathologic Stage II primary cutaneous melanoma (AJCC 7th ed.)¹

- All patients were treated at Memorial Sloan Kettering Cancer Center, USA, between January 1993 and December 2013
- > Patients underwent pathological nodal staging by sentinel lymph node biopsy or elective lymph node dissection.
- Synchronous initial relapses were scored by the most advanced site. Secondary primary melanomas were not recorded as relapses
- Median follow-up of all patients was 4.3 years (50.2 and 46.2 months for Stage IIB and Stage IIC melanoma, respectively)

Is there more that can be done for patients – beyond observation – to reduce their risk of relapse?



AJCC, American Joint Committee on Cancer. 1. Lee AY, et al. Ann Surg Oncol 2017;24:939–946.



Summary

Patients with Stage IIB and IIC melanoma* have 10-year estimated survival rates of 82% and 75%, respectively.¹

Patients with Stage IIB melanoma[†] or higher are at risk of relapse following resection:^{2–4}

- Relapse rates in patients with Stage IIB and IIC melanoma are 32% and 46%, respectively²
- 30% and 52% of patients with Stage IIB and IIC melanoma relapse with distant metastasis, respectively²

Patients with Stage IIB and IIC melanoma[†] are still at risk of relapse, with half of all Stage IIB and IIC relapses occurring within 2 years²

Patients with Stage IIB/C melanoma could be considered at risk of disease recurrence

*According to AJCC 8th edition Pathological Staging Criteria for Melanoma.¹ +According to AJCC 7th edition Pathologic Staging Criteria for Melanoma.²

AJCC, American Joint Committee on Cancer.

Gershenwald JE, et al. CA Cancer J Clin 2017;67:472–492.
 Lee AY, et al. Ann Surg Oncol 2017;24:939–946.
 Yushak M, et al. Am Soc Clin Oncol Educ Book 2019;39:e207–e211.
 Mohr P, et al. Melanoma Manag 2019;6:MMT33. Supplementary appendix.



KEYTRUDA: bringing immunotherapy to Stage IIB–IV melanoma

This deck covers KEYNOTE-716 and patients with Stage II melanoma. To find out more about KEYTRUDA in Stage III and IV melanoma, contact your local MSD representative or visit MSD Connect.



KEYTRUDA

(pembrolizumab)

Images are illustrative of the range of patients diagnosed with melanoma.

KEYTRUDA as monotherapy is indicated for the treatment of adults and adolescents aged 12 years and older with advanced (unresectable or metastatic) melanoma.¹ KEYTRUDA as monotherapy is indicated for the adjuvant treatment of adults and adolescents aged 12 years and older with Stage IIB, IIC or III melanoma and who have undergone complete resection.¹

1. KEYTRUDA Summary of Product Characteristics. United Kingdom. Available at: https://www.medicines.org.uk/emc/product/2498 Accessed: March 2025.

KEYNOTE-716 SAFETY DATA KEYNOTE-716 SUMMARY



How can KEYTRUDA support

patients with Stage II melanoma

in the adjuvant setting?







KEYNOTE-716

KEYNOTE-716 EFFICACY DATA KEYNOTE-716 SAFETY DATA KEYNOTE-716 SUMMARY



Meet Mark and Tom*

Name: Mark Age: 42

Medical history:

- > Non-smoker with a fit and active lifestyle
- Saw his doctor after an increase in the size of an existing mole with an irregular border
- A biopsy diagnosed melanoma and the mole was excised
- Review confirmed the diagnosis of Stage IIB melanoma:
 - Ulcerated primary tumour (2–4 mm with ulceration)
 - No nodal involvement





Medical history:

- Retired chemistry teacher with no history of cancer but has a family history of melanoma
- Saw his doctor about a dark spot on his back which would bleed when rubbed with a towel
- A biopsy diagnosed melanoma and the tumour was excised
- Review confirmed the diagnosis of Stage IIC melanoma:
 - Deep ulcerated primary tumour (>4 mm)
 - No nodal involvement
 - High mitotic rate
 - T4b Breslow tumour thickness

Would you consider Mark and Tom to be at risk of disease relapse?

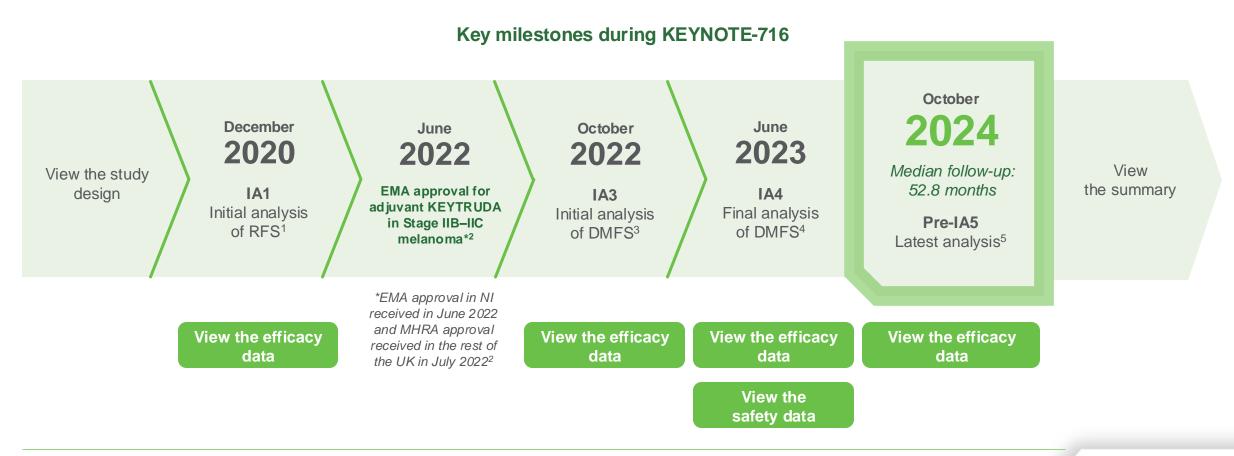


*Hypothetical patient cases.

KEYNOTE-716

SUMMARY

KEYNOTE-716: a multicentre, randomised, double-blind, placebo-controlled Phase III trial in patients with completely resected Stage IIB or IIC melanoma



IA1/2/3/4/5; first/second/third/fourth/fifth interim analysis; DMFS, distant metastasis-free survival; EMA, European Medicines Agency; RFS, recurrence-free survival. 1. Luke JJ, et al. Lancet 2022;399:1718–1729. 2. KEYTRUDA. Procedural steps taken and scientific information after the authorisation. Available at: https://www.ema.europa.eu/en/documents/procedural-

steps-after/keytruda-epar-procedural-steps-taken-scientific-information-after-authorisation_en.pdf Accessed: March 2025. **3.** Long GV, *et al. Lancet Oncol* 2022;23:1378–1388. **4.** Luke JJ, *et al. J Clin Oncol* 2024;42:1619–1624. **5.** Luke JJ, *et al.* Pembrolizumab vs Placebo as Adjuvant Therapy for High-Risk Stage II Melanoma: Long-Term Follow-Up, Rechallenge, and Crossover in KEYNOTE-716. ESMO. 13–17 September 2024. Barcelona, Spain. Oral presentation.



KEYNOTE-716 SAFETY DATA

KEYNOTE-716 SUMMARY



melanoma

KEYTRUDA (pembrolizumab)

KEYNOTE-716:

Study design



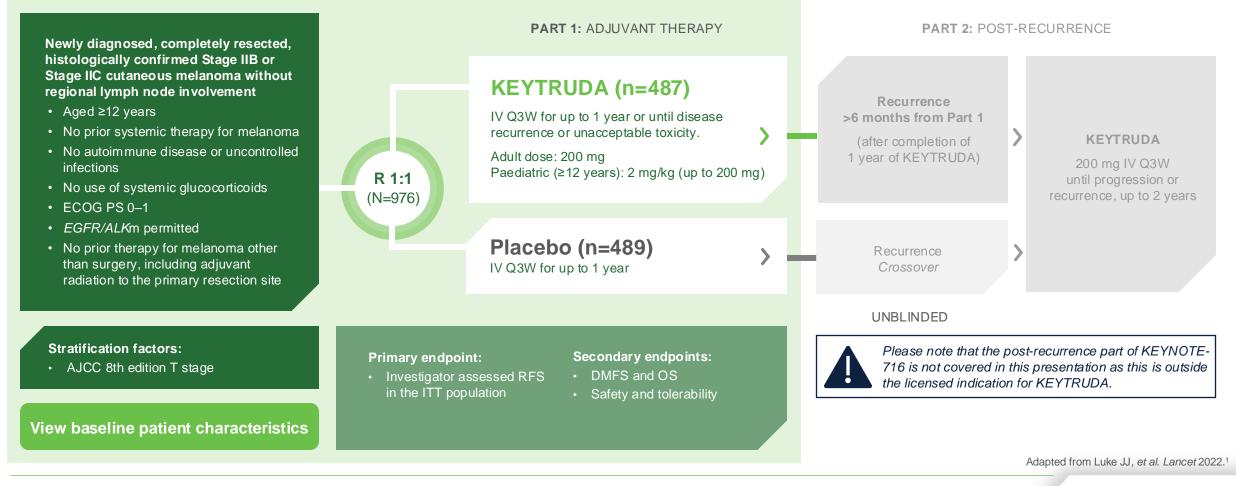
Images are illustrative of the range of patients diagnosed with melanoma.



KEYTRUDA

(pembrolizumab)

KEYNOTE-716 study design: randomised, double-blind, Phase III^{1,2}



Refer to the Supplementary Appendix for a full list of inclusion and exclusion criteria.²

Patients underwent imaging at 6 months from the date of randomisation, then every 6 months from Years 2–4 after randomisation and then once in Year 5 from or until recurrence, whichever came first or as clinically indicated.¹ AJCC, American Joint Committee on Cancer, *ALK*, anaplastic lymphoma kinase gene; **DMFS**, distant metastasis-free survival; **ECOG PS**, Eastern Cooperative Oncology Group performance status; *EGFR*, epidermal growth factor receptor gene; **IV**, intravenous; **m**, mutation; **OS**, overall survival; **Q3W**, every three weeks; **RFS**, recurrence-free survival; **T**, tumour. **1**. Luke JJ, *et al. Lancet* 2022;399:1718–1729. **2**. Luke JJ, *et al. Lancet* 2022;399:1718–1729. Supplementary appendix.



KEYNOTE-716: key trial endpoints¹

The efficacy analysis was done in the intent-to-treat (ITT) population, which included all patients randomly assigned to treatment. Safety was assessed in all patients randomly assigned to treatment who received at least one dose of study treatment.

Primary efficacy endpoint:

Investigator-assessed recurrence-free survival (RFS) (defined as the time between the date of randomisation and the date of first recurrence [local, regional or distant metastases] or death, whichever occurred first) in the ITT population

- The primary endpoint was met if RFS was significantly improved for KEYTRUDA versus placebo
- > The overall type 1 error was controlled at a one-sided alpha of 2.5%

DMFS, distant metastasis-free survival: ITT, intent-to-treat: OS, overall survival: RFS, recurrence-free survival.

1. Luke JJ, et al. Lancet 2022;399:1718–1729. 2. Luke JJ, et al. Lancet 2022;399:1718–1729. Supplementary appendix.

The study met the prespecified RFS endpoint on the basis of results of the first interim analysis with 136 RFS events observed

Secondary endpoints:

Distant metastasis-free survival (DMFS) and overall survival (OS) in the ITT population; safety and tolerability of KEYTRUDA*

As of November 2024, overall survival data is immature and is expected in a future analysis once a minimum of ~154 events have been observed²

*Data on adverse events were collected throughout the study through self-report by patient or reported by caregivers and reviewed by investigators during screening and then every 3 weeks from randomisation, and up to 30 days (90 days for serious adverse events) after treatment discontinuation and graded according to the National Cancer Institute Common Terminology Criteria for Adverse Events, version 4.0.¹



KEYNOTE-716 SAFETY DATA KEYNOTE-716 SUMMARY





Efficacy data from initial

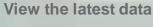
analyses of RFS and DMFS

(IA1 and IA3)

melanoma

View the IA4 data

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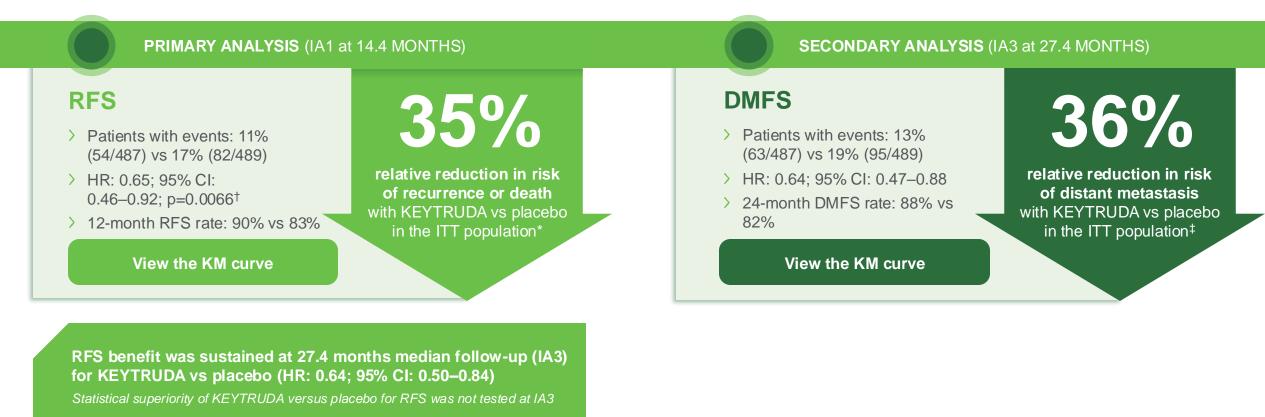
Images are illustrative of the range of patients diagnosed with melanoma.



KEYTRUDA

(pembrolizumab)

RFS and DMFS following treatment with KEYTRUDA versus placebo at the first and third interim analyses^{1–3}



IA1 analysis cut-off date: 4 December 2020.1 IA3 analysis cut-off date: 4 January 2022.2

*RFS was defined as time from randomisation to the date of first recurrence of melanoma at any site (local, in-transit or regional lymph nodes or distant recurrence) or death due to any cause, whichever occurred first. [†]Based on Cox regression model with Efron's method of tie handling with treatment as a covariate stratified by melanoma T category (T3b versus T4a versus T4b).¹[‡]DMFS was defined as the time from randomisation to the first diagnosis of distant metastasis. **CI**, confidence interval; **DMFS**, distant metastasis-free survival; **HR**, hazard ratio; **IA1/3**; first/third interim analysis; **ITT**, intent-to-treat; **RFS**, recurrence-free survival; **T**, tumour. **1**. Luke JJ, *et al.* Lancet 2022;399:1718–1729. **2**. Long GV, *et al.* Lancet Oncol 2022;23:1378–1388. **3**. Long GV, *et al.* Lancet Oncol 2022;23:1378–1388. Supplementary appendix.

KEYNOTE-716 SAFETY DATA

KEYNOTE-716 SUMMARY



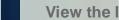
KEYNOTE-716:

Efficacy data from interim analyses of RFS and DMFS (IA4)



melanoma

View the initial analysis



View the latest data



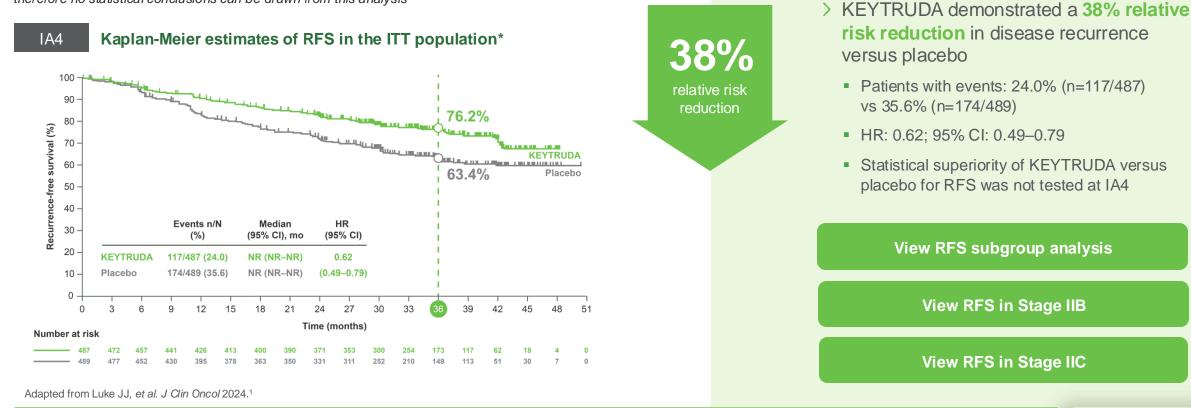
Images are illustrative of the range of patients diagnosed with melanoma.

KEYNOTE-716

SUMMARY

RFS following treatment with KEYTRUDA versus placebo after 39.4 months median follow-up¹

Exploratory long-term analysis: significance was not tested, therefore no statistical conclusions can be drawn from this analysis



IA4 analysis cut-off date: 4 January 2023.1

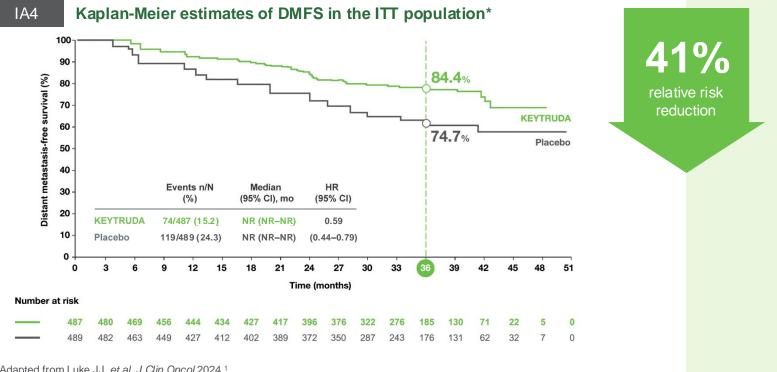
The n number displayed represents the number of events in the treatment arm. RFS was defined as time from randomisation to the date of first recurrence of melanoma at any site (local, in-transit or regional lymph nodes or distant recurrence) or death due to any cause, whichever occurred first. *Based on Cox regression model with Efron's method of tie handling with treatment as a covariate stratified by melanoma T category (T3b versus T4a versus T4b).² CI, confidence interval; HR, hazard ratio; IA4, fourth interim analysis; ITT, intent-to-treat; RFS, recurrence-free survival. 1. Luke JJ, *et al. J Clin Oncol* 2024;42:1619–1624. 2. Luke JJ, *et al. Lancet* 2022;399:1718–1729.





DMFS following treatment with KEYTRUDA versus placebo after 39.4 months median follow-up¹

Exploratory long-term analysis: significance was not tested, therefore no statistical conclusions can be drawn from this analysis



- > KEYTRUDA demonstrated a 41% relative risk reduction in distant metastasis versus placebo
 - Patients with events: 15.2% (n=74/487) vs 24.3% (n=119/489)
 - HR: 0.59: 95% CI: 0.44–0.79
 - Statistical superiority of KEYTRUDA versus placebo for DMFS was not tested at IA4

View DMFS subgroup analysis

Adapted from Luke JJ, et al. J Clin Oncol 2024.1

IA4 analysis cut-off date: 4 January 2023.1

The n number displayed represents the number of events in the treatment arm. *Based on Cox regression model with Efron's method of tie handling with treatment as a covariate stratified by melanoma T category (T3b versus T4a versus T4b).² CI, confidence interval; DMFS, distant metastasis-free survival; HR, hazard ratio; IA4, fourth interim analysis; ITT, intent-to-treat; T, tumour. 1. Luke JJ. et al. J Clin Oncol 2024:42:1619–1624. 2. Luke JJ. et al. Lancet 2022:399:1718–1729.



KEYNOTE-716 SAFETY DATA KEYNOTE-716 SUMMARY DOSING UK PI

KEYNOTE-716:

Safety data from interim analyses (IA1, IA4)

Pooled safety data of KEYTRUDA across all indications and adverse event management can be found in the Summary of Product Characteristics.

The safety profile of KEYTRUDA among the patients with resected melanoma enrolled in KEYNOTE-716 was consistent with previous analyses.

View the summary at IA1 and IA3

View the summary at IA4

View treatment-related adverse events at IA4

View immune-related adverse events at IA4









Summary of adverse events during the initial analyses of KEYNOTE-716^{1,2}

Safety data includes patients who received at least one dose of study treatment

Adverse events reported by 14.4-month median follow-up¹

Adverse events reported by 27.4-month median follow-up²

Adverse event, n (%)	KEYTRUDA (n=483)	Placebo (n=486)	Adverse event, n (%)	KEYTRUDA (n=483)	Placebo (n=486)
Any	449 (93)	433 (89)	Any	462 (96)	445 (92)
Grade 3–4	125 (26)	83 (17)	Led to discontinuation	85 (17)	23 (5)
Led to discontinuation	75 (16)	20 (4)	Led to death	1 (<1)†	5 (1) [†]
Led to death	0 (0)	4 (1) [*]	Treatment-related	400 (83)	309 (64)
Treatment-related	386 (80)	296 (61)	Grade 3–4	83 (17)	24 (5)
Grade 3–4	78 (16)	21 (4)	Led to discontinuation	77 (16)	12 (3)
Led to death	0 (0)	0 (0)	Led to death	0 (0)	0 (0)

Proportion of patients experiencing adverse events at the third interim analysis was similar to the initial analysis²

For further details on adverse events and risk management, please refer to the SmPC and Risk Management Materials.

IA1 data cut-off: 4 December 2020.1 IA3 data cut-off: 4 January 2022.2

*Four deaths occurred: one due to COVID-19-related pneumonia, one due to pneumonia, one due to recurrent cancer and one due to suicide.¹ [†]One death occurred in the KEYTRUDA group due to COVID-19-related pneumonia, five deaths occurred in the placebo group: one due to COVID-19-related pneumonia, one due to pneumonia, one due to malignant neoplasm, one due to recurrent cancer and one due to suicide.² COVID-19, coronavirus disease 2019; IA, interim analysis; SmPC, Summary of Product Characteristics. 1. Luke JJ, et al. Lancet 2022;399:1718–1729. 2. Long GV, et al. Lancet Oncol 2022;23:1378–1388.



KEYNOTE-716

SUMMARY



Summary of adverse events during KEYNOTE-716 after 3 years^{1,2}

Safety data includes patients who received at least one dose of study treatment

Adverse events reported by 39.4-month median follow-up

Adverse event, n (%)	KEYTRUDA (n=483)	Placebo (n=486)		
Any	461 (95.4)	446 (91.8)	 The safety profile of KEYTRUDA the patients with resected melan enrolled in KEYNOTE-716 was consistent with previous analyse No patients died due to treatment 	
Freatment-related	399 (82.6)	309 (63.6)		
Grade 3–4	83 (17.2)	25 (5.1)		
Led to discontinuation	77 (15.9)	12 (2.5)		
nmune-mediated and infusion reactions	183 (37.9)	46 (9.5)	adverse events in either tre	
Grade 3–4	53 (11.0)	6 (1.2)		

For further details on adverse events and risk management, please refer to the SmPC and Risk Management Materials.

IA4 analysis cut-off date: 4 January 2023.1

IA4, fourth interim analysis.

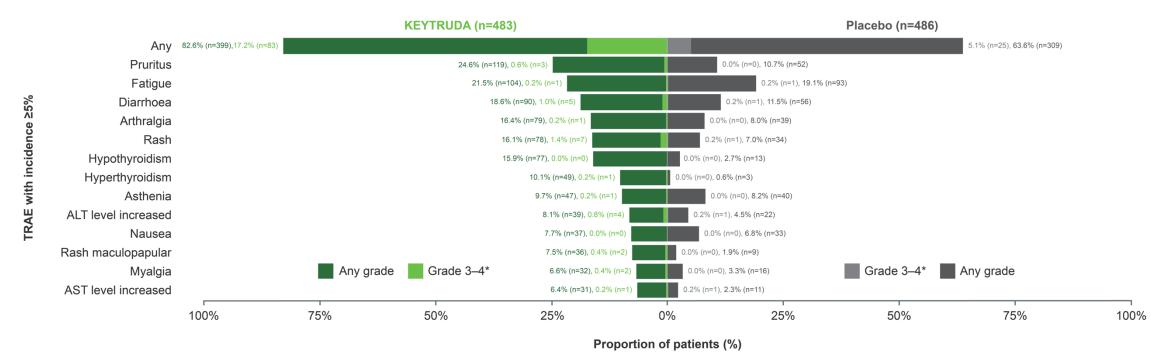
1. Luke JJ, et al. J Clin Oncol 2024;42:1619–1624. 2. Luke JJ, et al. Pembrolizumab versus placebo as adjuvant therapy in stage IIB or IIC melanoma: Final analysis of distant metastasisfree survival in the Phase 3 KEYNOTE-716 study. ASCO. 2–6 June 2023. Chicago, IL, USA. Oral presentation.





Summary of treatment-related adverse events (TRAEs) after 3 years¹

Safety data includes patients who received at least one dose of study treatment



TRAEs reported by 39.4-month median follow-up

For further details on adverse events and risk management, please refer to the SmPC and Risk Management Materials.

Adapted from Luke JJ, et al. J Clin Oncol 2024.1

IA4 analysis cut-off date: 4 January 2023.¹ *There were no grade 5 TRAEs.
ALT, alanine transaminase; AST, aspartate aminotransferase; IA4, fourth interim analysis; TRAE, treatment-related adverse event.
1. Luke JJ, et al. J Clin Oncol. 2024;42:1619–1624.

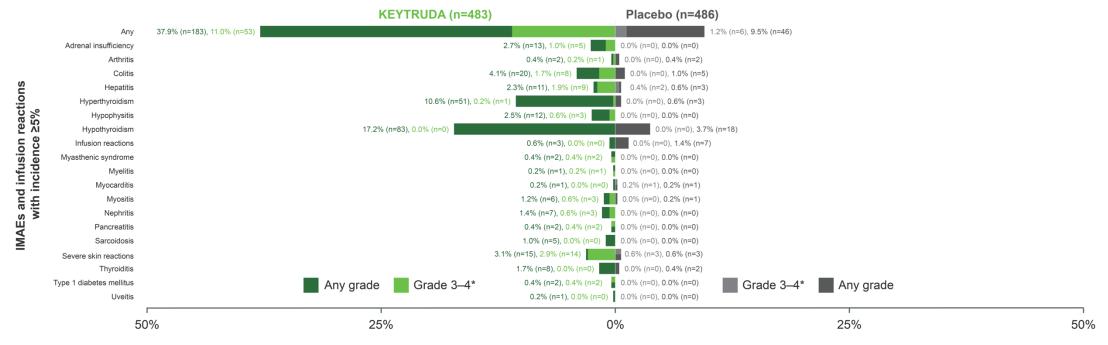


KEYNOTE-716

SUMMARY

Summary of immune-mediated adverse events (IMAEs) and infusion reactions after 3 years¹

Safety data includes patients who received at least one dose of study treatment



IMAEs and infusion reactions reported by 39.4-month median follow-up

Proportion of patients (%)

For further details on adverse events and risk management, please refer to the SmPC and Risk Management Materials.

IA4 analysis cut-off date: 4 January 2023.¹ *There were no grade 5 IMAEs.
IA4, fourth interim analysis; IMAE, immune-mediated adverse event.
1. Luke JJ, et al. J Clin Oncol. 2024;42:1619–1624.

Adapted from Luke JJ, et al. J Clin Oncol 2024.1





KEYNOTE-716 SAFETY DATA KEYNOTE-716 SUMMARY DOSING UK PI

KEYNOTE-716:

Efficacy data from latest analysis of RFS and DMFS

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HIC melanoma

View the initial analysis

View the IA4 data

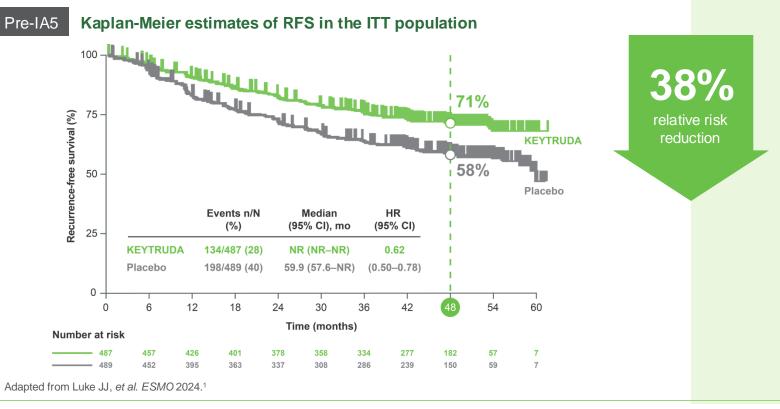


Images are illustrative of the range of patients diagnosed with melanoma.



RFS following treatment with KEYTRUDA versus placebo after 52.8 months median follow-up¹

Exploratory long-term analysis: significance was not tested, therefore no statistical conclusions can be drawn from this analysis



> KEYTRUDA demonstrated a 38% relative risk reduction in disease recurrence versus placebo

 Patients with events: 28% (n=134/487) vs 40% (n=198/489)

- HR: 0.62; 95% CI: 0.50–0.78
- Statistical superiority of KEYTRUDA versus placebo for RFS was not tested at this timepoint

Analysis cut-off date: 16 February 2024.1

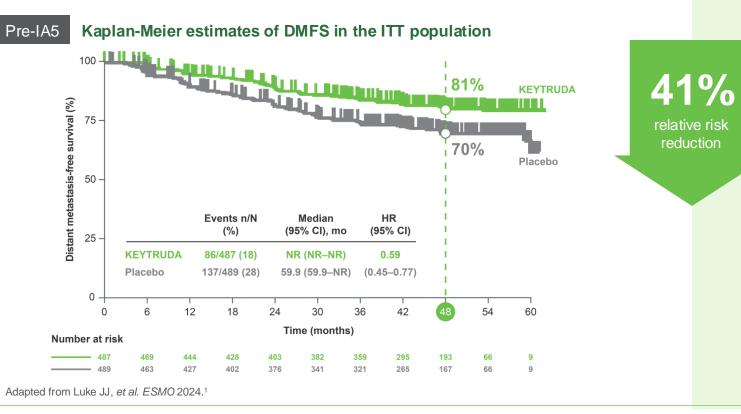
CI, confidence interval; HR, hazard ratio; IA5, fifth interim analysis; ITT, intent-to-treat; mo, months; n, number; NR, not reached; RFS, recurrence-free survival. 1. Luke JJ, *et al.* Pembrolizumab vs Placebo as Adjuvant Therapy for High-Risk Stage II Melanoma: Long-Term Follow-Up, Rechallenge, and Crossover in KEYNOTE-716. ESMO. 13–17 September 2024. Barcelona, Spain. Oral presentation.





DMFS following treatment with KEYTRUDA versus placebo after 52.8 months median follow-up¹

Exploratory long-term analysis: significance was not tested, therefore no statistical conclusions can be drawn from this analysis





 Patients with events: 18% (n=86/487) vs 28% (n=137/489)

- HR: 0.59; 95% CI: 0.45–0.77
- Statistical superiority of KEYTRUDA versus placebo for DMFS was not tested at this timepoint

Analysis cut-off date: 16 February 2024.¹

CI, confidence interval; DMFS, distant metastasis-free survival; HR, hazard ratio; IA5, fifth interim analysis; ITT, intent-to-treat; mo, months; n, number; NR, not reached. 1. Luke JJ, *et al.* Pembrolizumab vs Placebo as Adjuvant Therapy for High-Risk Stage II Melanoma: Long-Term Follow-Up, Rechallenge, and Crossover in KEYNOTE-716. ESMO. 13–17 September 2024. Barcelona, Spain. Oral presentation.





KEYNOTE-716 SAFETY DATA KEYNOTE-716 SUMMARY





KEYNOTE-716 SAFETY DATA KEYNOTE-716 SUMMARY



Your patients with Stage IIB/C could benefit from adjuvant therapy with KEYTRUDA¹

During KEYNOTE-716, in patients with Stage IIB and IIC melanoma, KEYTRUDA demonstrated vs placebo:

35% relative reduction in risk of recurrence²

- > 14.4-month median follow-up (IA1, primary analysis)
- HR: 0.65; 95% CI: 0.46– 0.92; p=0.0066*

Sustained improvement in both RFS and DMFS after over 4 years of follow-up³

- After four years (52.8-month median follow-up), KEYTRUDA demonstrated:
 - 38% RRR in disease recurrence vs placebo (HR: 0.62; 95% CI: 0.50–0.78)[†]
 - 41% RRR in distant metastasis vs placebo (HR: 0.59; 95% CI: 0.45–0.77)[†]

A manageable safety profile, consistent with previous reports²⁻⁴

- > After three years (IA4):
 - Any TRAEs occurred in 82.6% (n=399/483) vs 63.6% (n=309/486) of patients
 - Any IMAEs occurred in 37.9% (n=183/483) vs 9.5% (n=46/486) of patients
 - No patients died due to TRAEs in either treatment arm

No clinically meaningful decrease in HRQOL⁵ (as per EORTC QLQ-C30 score)

- > 20.5-month median follow-up (exploratory analysis)
- > ≥10-point change in score was considered clinically meaningful
- LSM change from baseline to Week 48 was -3.27 (95% CI: -4.61 to -1.92)

For further details on adverse events and risk management, please refer to the SmPC and Risk Management Materials.

*Based on Cox regression model with Efron's method of tie handling with treatment as a covariate stratified by melanoma T category (T3b versus T4a versus T4b).¹ *Statistical superiority of KEYTRUDA versus placebo was not tested at this timepoint. **CI**, confidence interval; **DMFS**, distant metastasis-free survival; **EORTC QLQ-C30**, European Organization for Research and Treatment of Cancer Quality of Life Core Questionnaire; **HR**, hazard ratio; **HRQOL**, health-related quality of life; **LSM**, least squares mean; **RFS**, recurrence-free survival; **RRR**, relative risk reduction; **T**, tumour. **1**. KEYTRUDA Summary of Product Characteristics. United Kingdom. Available at: https://www.medicines.org.uk/emc/product/2498 Accessed: March 2025. **2**. Luke JJ, *et al. Lancet* 2022;399:1718–1729. **3**. Luke JJ, *et al.* Pembrolizumab vs Placebo as Adjuvant Therapy for High-Risk Stage II Melanoma: Long-Term Follow-Up, Rechallenge, and Crossover in KEYNOTE-716. ESMO. 13–17 September 2024. Barcelona, Spain. Oral presentation. **4**. Luke JJ, *et al. J Clin Oncol.* 2024;42:1619–1624. **5**. Khattak MA, *et al. J Clin Oncol.* 2022;40:9581.



KEYNOTE-716 SAFETY DATA





<u>Click HERE</u> or scan the QR code to sign up for MSD emails and be the first to hear updates about KEYTRUDA in melanoma

This link will take you to an MSD website within which you can give your consent to receive marketing or promotional emails from MSD about our products, services and events





KEYNOTE-716 SAFETY DATA KEYNOTE-716 SUMMARY







Relapse rates in patients with Stage III melanoma are 44.0%, 44.5% and 74.0% for Stages IIIA, IIIB and IIIC, respectively¹

Stage III patients who relapsed Stage III relapse rates in patients who with distant metastasis*1 received watch-and-wait post-surgery¹ Percentage of patients who relapsed with Node positive (M0) unresectable or distant metastasis as first relapse* 44.0% 52.6% 44.5% 47.7% 74.0% 54.3% Stage IIIA Stage IIIA Stage IIIB Stage IIIB Stage IIIC Stage IIIC (n=40/91) (n=30/57) (n=49/110)(n=31/65) (n=37/50) (n=25/46) Patients who relapsed with distant Patients who relapsed metastasis as first relapse Patients who relapsed but didn't have Patients who didn't relapse distant metastasis as first relapse*

Return to Stage IIB/IIC

Data based on a retrospective chart review of 251 patients from 2011–2016 with Stage III resected melanoma (AJCC 7th ed.) followed by watch-and-wait. Patients included in this study were from North America, South America and Europe²

> RFS was measured from the date of initial surgery for Stage III melanoma to the earliest among the date of first relapse (event), date of death (event) or end of follow-up (i.e., end of care for the patient or date of data collection; censoring) among patients with known information on time of relapse/death²

> Median follow-up was 3.1 years²

Were you aware of the rate of distant recurrence across Stage III melanoma?



*The remainder of patients experienced a loco-regional recurrence or a secondary primary melanoma recurrence.
AJCC, American Joint Committee on Cancer; RFS, recurrence-free survival.
1. Mohr P, et al. Melanoma Manag 2019;6:MMT33. Supplementary appendix.
2. Mohr P, et al. Melanoma Manag 2019;6:MMT33.



The median time to relapse from resection is 5.2 months at Stage IIIC and less than 1.5 years at Stage IIIA¹

Median time to relapse among patients who relapsed¹



Data based on a retrospective chart review of 251 patients from 2011–2016 with Stage III resected melanoma (AJCC 7th ed.) followed by watch-and-wait. Patients included in this study were from North America, South America and Europe²

- > RFS was measured from the date of initial surgery for Stage III melanoma to the earliest among the date of first relapse (event), date of death (event) or end of follow-up (i.e., end of care for the patient or date of data collection; censoring) among patients with known information on time of relapse/death²
- > Median follow-up was 3.1 years²

Would you treat patients with Stage IIIA melanoma differently to those with Stage IIIB melanoma?



AJCC, American Joint Committee on Cancer; RFS, recurrence-free survival.

1. Mohr P, et al. Melanoma Manag 2019;6:MMT33. Supplementary appendix. 2. Mohr P, et al. Melanoma Manag 2019;6:MMT33.

FCOG PS. n (%)

DO

Placebo

(n=489)

Baseline patient characteristics were similar between the KEYTRUDA and placebo arms¹

KEYTRUDA (n=487)	Placebo (n=489)
60 (51–68)	61 (53–69)
303 (62)	295 (60)
184 (38)	194 (40)
187 (38)	200 (41)
300 (62)	289 (59)
435 (89)	439 (90)
392 (80)	409 (84)
95 (20)	80 (16)
	(n=487) 60 (51–68) 303 (62) 184 (38)

20001 0, 11 (70)		
0	454 (93)	452 (92)
1	32 (7)	35 (7)
2	0	1 (<1)
Missing	1 (<1)	1 (<1)
T category, n (%)		
ТЗа	2 (<1)	0
T3b	200 (41)	201 (41)
T4a	113 (23)	116 (24)
T4b	172 (35)	172 (35)
Disease stage, n (%)		
IIB	309 (63)	316 (65)
IIC	171 (35)	169 (35)

KEYTRUDA

(n=487)

KEYNOTE-716

SUMMARY

Return to study design

Adapted from Luke JJ, et al. Lancet 2022.1



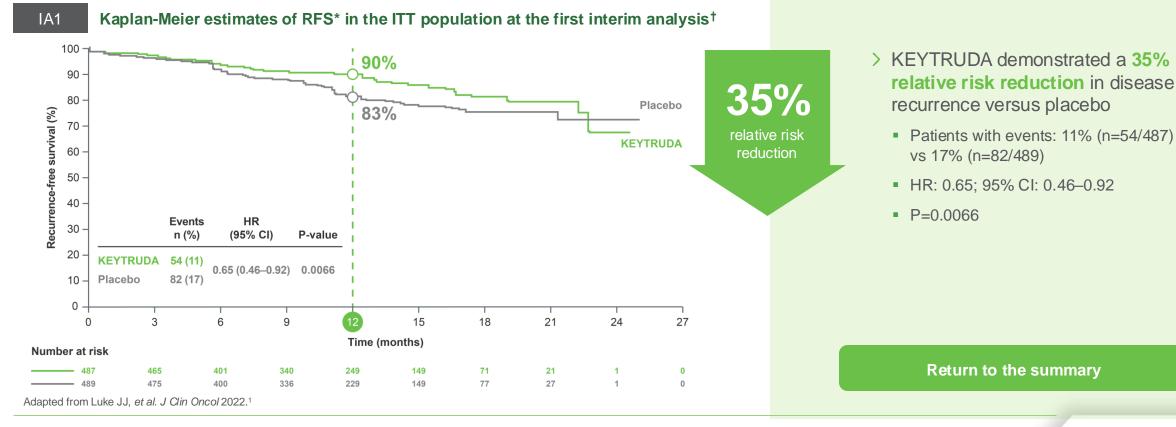
T-category is based on TNM staging.¹

Disease stage is defined by the 8th AJCC 2017 classification.¹

AJCC, American Joint Committee on Cancer; ECOG PS, Eastern Cooperative Oncology Group performance status; IQR, interquartile range; T, tumour; TNM, tumour, node, metastasis. 1. Luke JJ, et al. Lancet 2022;399:1718–1729.



Recurrence-free survival following treatment with KEYTRUDA versus placebo¹



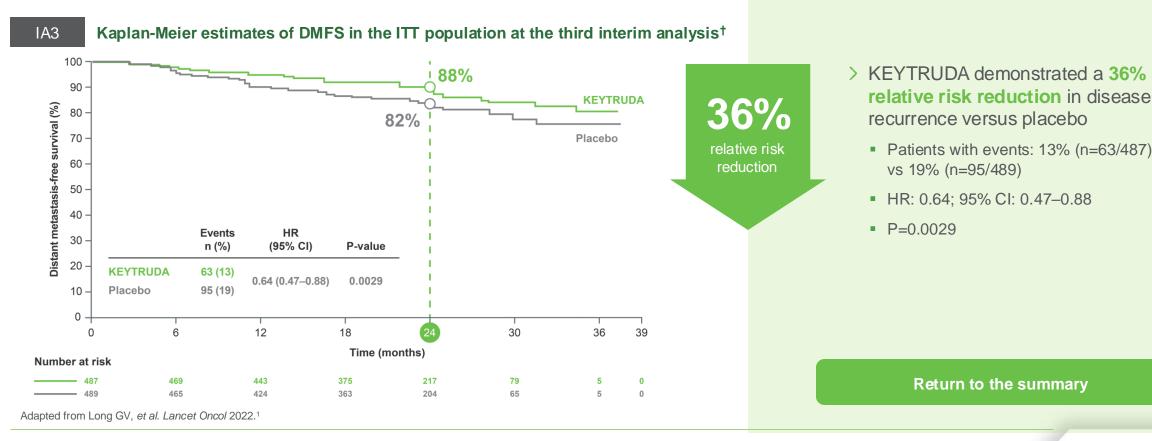
IA1 data cut-off: 4 December 2020.¹ The n number displayed represents the number of events in the treatment arm. *RFS was defined as time from randomisation to the date of first recurrence of melanoma at any site (local, in-transit or regional lymph nodes or distant recurrence) or death due to any cause, whichever occurred first.¹[†]Based on Cox regression model with Efron's method of tie handling with treatment as a covariate stratified by melanoma T category (T3b versus T4a versus T4b).¹

CI, confidence interval; HR, hazard ratio; IA, interim analysis; ITT, intent-to-treat; RFS, recurrence-free survival; T, tumour. 1. Luke JJ, *et al. Lancet* 2022;399:1718–1729.





Distant metastasis-free survival* following treatment with KEYTRUDA versus placebo¹



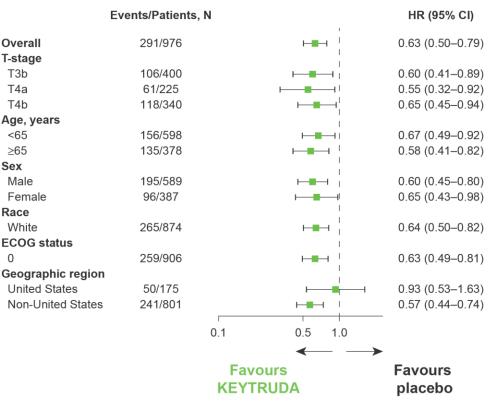
IA3 data cut-off: 4 January 2022.¹ The n number displayed represents the number of events in the treatment am. *DMFS was defined as the time from randomisation to the first diagnosis of distant metastasis.¹[†]Based on Cox regression model with Efron's method of tie handling with treatment as a covariate stratified by melanoma T category (T3b versus T4a versus T4b).¹
 CI, confidence interval; DMFS, distant metastasis-free survival; HR, hazard ratio; IA, interim analysis; ITT, intention-to-treat; T, tumour.
 Long GV, et al. Lancet Oncol 2022;23:1378–1388.





RFS in key patient subgroups following treatment with KEYTRUDA versus placebo after 39.4 months median follow-up (IA4)¹

KEYNOTE-716 was not powered to detect differences in the treatment effect in these subgroups; therefore, results from exploratory analyses should be interpreted with caution because of the modest patient numbers and potential imbalances in baseline characteristics within subgroups.



Adapted from Luke JJ, et al. J Clin Oncol 2024.1



Return to RFS analysis

IA4 analysis data cut-off: 4 January 2023.1

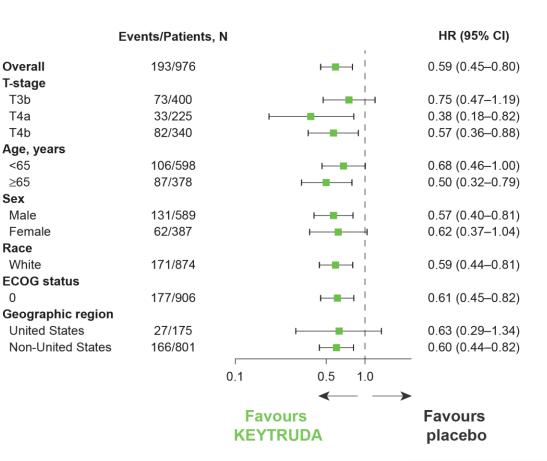
CI, confidence interval; ECOG, Eastern Cooperative Oncology Group; HR, hazard ratio; IA4, fourth interim analysis; RFS, recurrence-free survival; T, tumour. 1. Luke JJ, et al. J Clin Oncol. 2024;42:1619–1624.

IA4 analysis data cut-off: 4 January 2023.1



DMFS in key patient subgroups following treatment with KEYTRUDA versus placebo after 39.4 months median follow-up (IA4)¹

KEYNOTE-716 was not powered to detect differences in the treatment effect in these subgroups; therefore, results from exploratory analyses should be interpreted with caution because of the modest patient numbers and potential imbalances in baseline characteristics within subgroups.



Return to DMFS analysis

Phase 3 KEYNOTE-716 study, ASCO, 2-6 June 2023, Chicago, IL, USA, Oral presentation,

CI, confidence interval; DMFS, distant metastasis-free survival; ECOG, Eastern Cooperative Oncology Group; HR, hazard ratio; IA4, fourth interim analysis; T, tumour.

1. Luke JJ, et al. J Clin Oncol. 2024;42:1619–1624. 2. Luke JJ, et al. Pembrolizumab versus placebo as adjuvant therapy in stage IIB or IIC melanoma: Final analysis of distant metastasis-free survival in the

Adapted from Luke JJ, et al. J Clin Oncol 2024 & Luke JJ, et al. 2023.^{1,2}

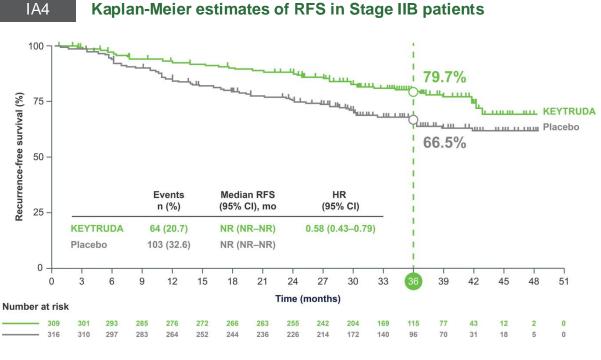


KEYNOTE-716 SUMMARY



RFS in Stage IIB following treatment with KEYTRUDA versus placebo after 39.4 months median follow-up¹

Exploratory long-term analysis: significance was not tested, therefore no statistical conclusions can be drawn from this analysis



Adapted from Luke JJ, et al. J Clin Oncol. 2024.1

Analysis cut-off date: 4 January 2023.¹

CI, confidence interval; HR, hazard ratio; IA4, fourth interim analysis; NR, not reached; RFS, recurrence-free survival. 1. Luke JJ, *et al. J Clin Oncol.* 2024;7:1619–1624.

- KEYTRUDA demonstrated a 42% relative risk reduction in disease recurrence versus placebo
 - Patients with events: 20.7% (n=64/309) vs 32.6% (n=103/316)
 - HR: 0.58; 95% CI: 0.43–0.79
 - Statistical superiority of KEYTRUDA versus placebo for RFS was not tested at this timepoint

Return to RFS analysis

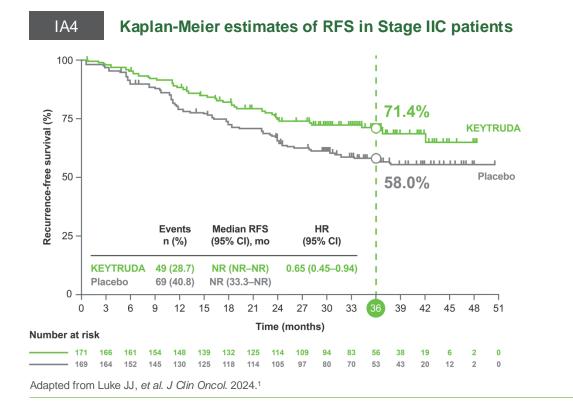
Images are illustrative of the range of patients diagnosed with melanoma.



KEYNOTE-716 SUMMARY DOSING UK PI

RFS in Stage IIC following treatment with KEYTRUDA versus placebo after 39.4 months median follow-up¹

Exploratory long-term analysis: significance was not tested, therefore no statistical conclusions can be drawn from this analysis



> KEYTRUDA demonstrated a 35% relative risk reduction in disease recurrence versus placebo

- Patients with events: 28.7% (n=49/171) vs 40.8% (n=69/169)
- HR: 0.65; 95% CI: 0.45–0.94
- Statistical superiority of KEYTRUDA versus placebo for RFS was not tested at IA4

Return to RFS analysis

Images are illustrative of the range of patients diagnosed with melanoma.



(pembrolizumab)

Analysis cut-off date: 4 January 2023.¹

CI, confidence interval; HR, hazard ratio; IA4, fourth interim analysis; NR, not reached; RFS, recurrence-free survival. 1. Luke JJ, et al. J Clin Oncol. 2024;7:1619–1624.