

KEYTRUDA®

(pembrolizumab)

in the adjuvant treatment

of patients with Stage III

melanoma

Adverse events should be reported. Reporting forms and information can be found at https://yellowcard.mhra.gov.uk/ 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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KEYTRUDA melanoma indications¹

- XEYTRUDA 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.





KEYTRUDA offers flexibility of dosing¹





Over 30 minutes



Assessment of regimens

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.

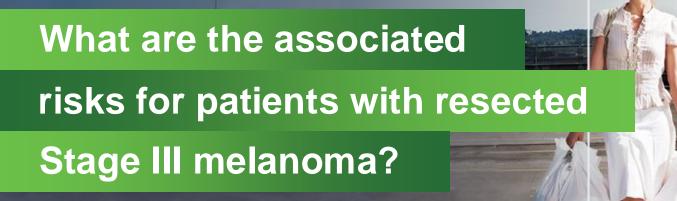
What does the flexibility of dosing mean for you and your patients?

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









Stages of melanoma

Relapse rate and distant metastasis rate

5- and 10-year survival rates

Time to relapse

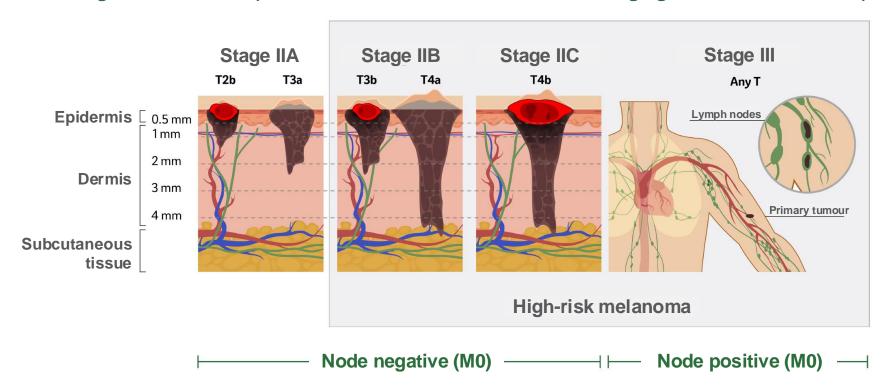






Patients with melanoma Stage IIB or higher are at risk of recurrence following resection*1-3

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

^{1.} Mohr P, et al. Melanoma Manag 2019;6:MMT33. 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.

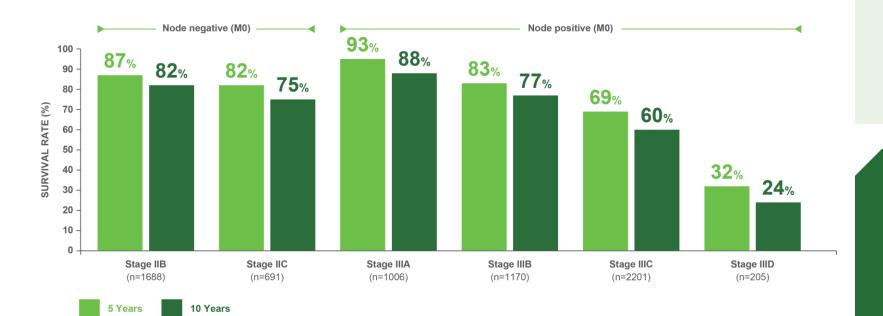




^{*}Stage IV melanoma that is resectable is also high risk but is not discussed here. **AJCC.** American Joint Committee on Cancer.



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).

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.

Were you aware of the difference in survival rates across Stage III melanoma?

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

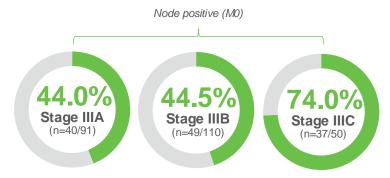


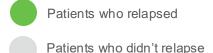




Relapse rates in patients with Stage III melanoma are 44.0%, 44.5% and 74.0% for Stages IIIA, IIIB and IIIC, respectively¹

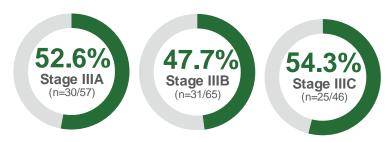
Stage III relapse rates in patients who received watch-and-wait post-surgery¹

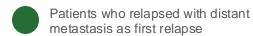




Stage III patients who relapsed with distant metastasis*1

Percentage of patients who relapsed with unresectable or distant metastasis as first relapse*







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 Europe.

- > Relapse-free survival (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 relapses across **Stage III melanoma?**



^{*}The remainder of patients experienced a locoregional relapse or a secondary primary melanoma relapse. AJCC. American Joint Committee on Cancer.

^{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 in Stage III¹



Stage IIIA (n=40/91)



Stage IIIB (n=49/110)



Stage IIIC (n=37/50)

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 Europe.

- > Median follow-up was 3.1 years²
- > 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/death

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





- Patients with Stage III are at risk of relapse following resection*†1,2
- 5- and 10-year estimated survival rates **decrease** in patients with **more advanced** Stage III melanoma^{‡3}
- Over 44% of patients with melanoma in Stages IIIA and beyond will recur*†1
- When patients with Stage III melanoma relapse, approximately 50% present with distant metastases*†1

The median time to relapse in patients with Stage IIIA melanoma is less than 1.5 years and as low as 5.2 months in Stage IIIC patients*†1

Patients with Stage III melanoma could be considered at risk of disease recurrence

^{*}According to AJCC 7th edition pathologic staging criteria for melanoma. †A retrospective chart review of 251 patients from 2011–2016 with Stage III resected melanoma followed by watch-and-wait. Patients included in this study were from North America, South America and Europe. ‡Based on the AJCC 8th edition clinical staging criteria for melanoma.

AJCC. American Joint Committee on Cancer.





KEYTRUDA: bringing immunotherapy to Stage IIB-IV melanoma

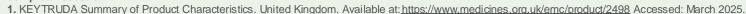
This deck covers KEYNOTE-054 and patients with Stage III melanoma.

To find out more about KEYTRUDA in Stage II and IV melanoma, contact your local MSD representative or visit MSD Connect.



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

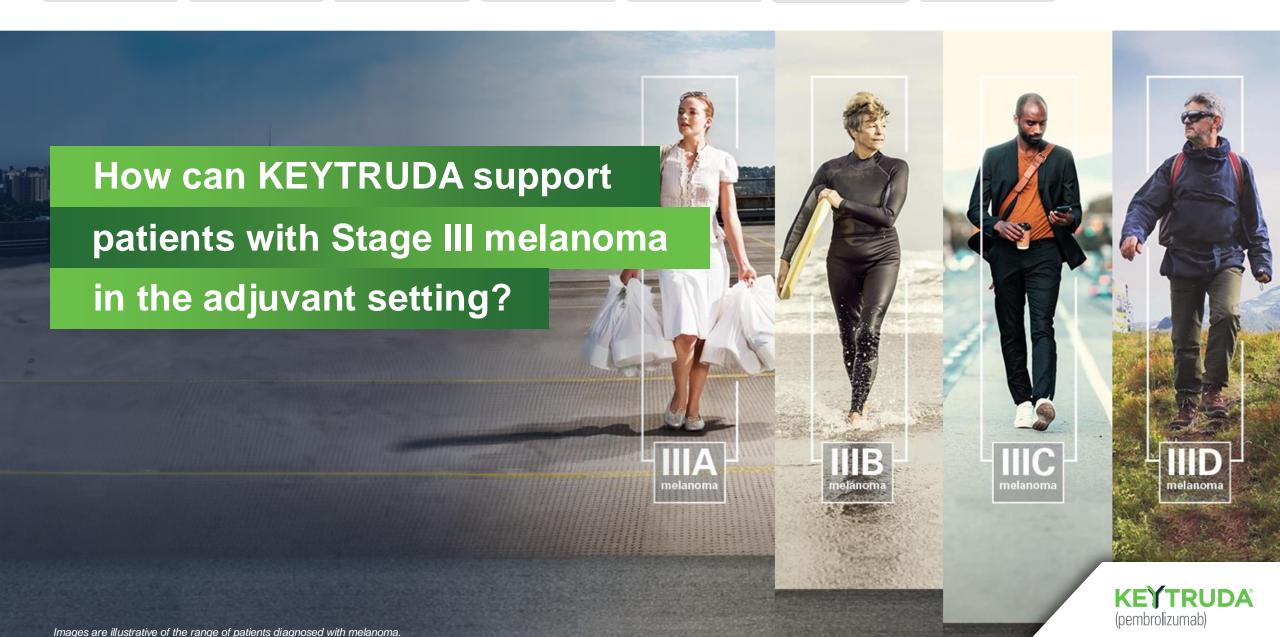
KEYTRUDA as monotherapy is indicated for the treatment of adults and adolescents aged 12 years and older with advanced (unresectable or metastatic) melanoma.¹
KEYTRUDA as monotherapy is indicated for the adjuvant treatment of adults and adolescents aged 12 years and older with Stage IIB, IIC or III melanoma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















Meet Suzie and Claire*

Name: Suzie Age: 31

Medical history:

- > Non-smoker with a fit and active lifestyle
- Saw her doctor after a new mole appeared on her thigh
- A biopsy revealed invasive melanoma and surgery was scheduled
- Underwent a wide local excision to remove the tumour (<2 mm thickness) and conducted a sentinel node biopsy
- Review confirmed that a microscopic tumour had spread to one nearby lymph node, which was removed



Name: Claire Age: 64

Medical history:

- > Retired nurse who enjoys outdoor activities
- > Had ignored a mole on her calf for years until one day it was raised and bleeding
- Consulted her GP and was referred to a dermatologist who conducted a biopsy, which identified melanoma
- Sentinel node biopsy confirmed the tumour (3 mm thickness) had spread to one nearby lymph node
- The tumour was removed along with the lymph node involved

Would you consider Suzie and Claire to be at risk of disease relapse?







Meet Aaron and Tony*

Name: Aaron Age: 34

Medical history:

- At 25, he had a dark spot on his face removed as it was new and had an irregular shape. It was defined as Stage I melanoma
- 9 years later, he noticed an enlarged lymph node under his chin, which following a biopsy was identified as melanoma
- Investigations found the tumour had spread to two further nearby lymph nodes, which were removed



O Name: Tony Age: 58

Medical history:

- A retired builder who enjoys hiking
- His partner noticed a large mole on his back, which had grown rapidly in recent weeks and was dry and bleeding if rubbed
- > The mole was biopsied and excised once identified as melanoma
- The tumour was deep (>4 mm) and ulcerated with a high mitotic rate. Investigations identified melanoma in four nearby lymph nodes, which were removed
- No distant metastases were found

Would you consider Aaron and Tony to be at risk of disease relapse?

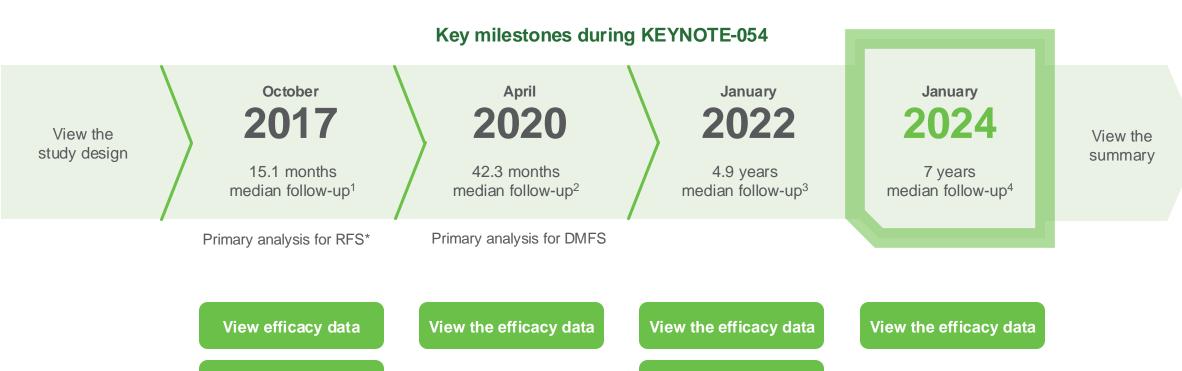


View the safety data





KEYNOTE-054: a randomised, double-blind, placebo-controlled Phase III trial in patients with high-risk, resected Stage III melanoma



View safety data

^{1.} Eggermont AMM, et al. N Engl J Med 2018;378:1789–1801. 2. Eggermont AMM, et al. Lancet Oncol 2021;22:643–654. 3. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214.





^{*}RFS was defined as the time from randomisation until the date of first recurrence (local, regional or distant metastasis) or death from any cause.1 DMFS, distant metastasis-free survival; RFS, recurrence-free survival.

RISKS IN MELANOMA

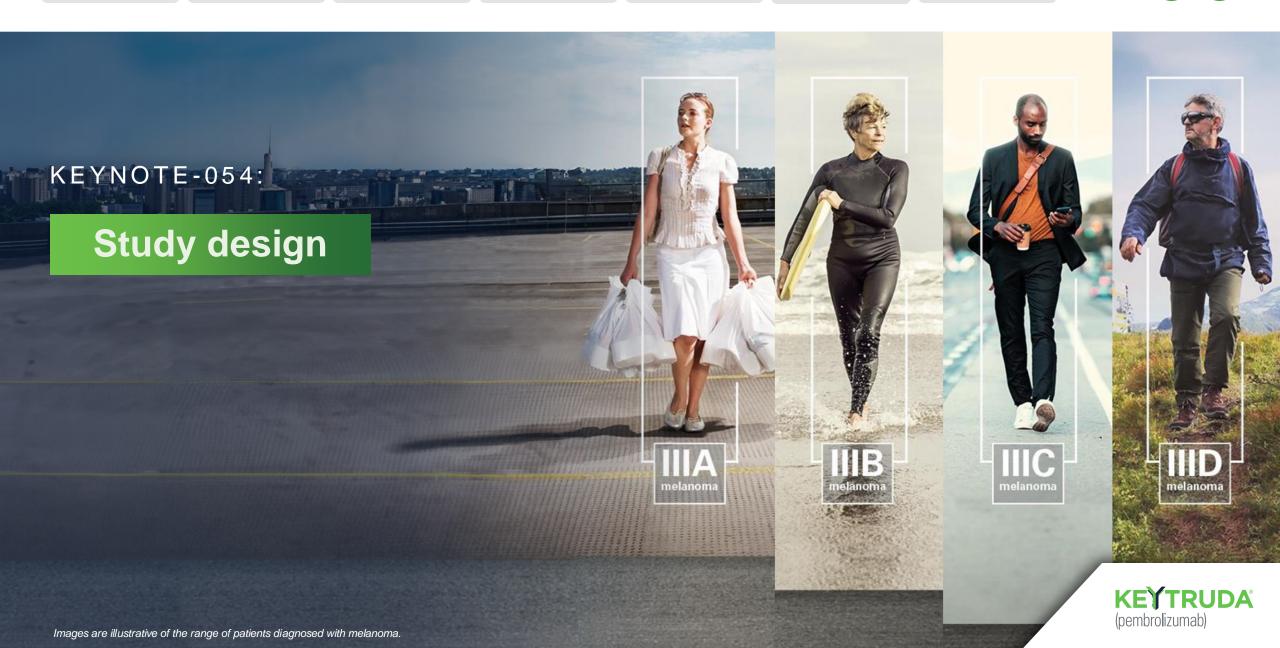
PATIENT EXAMPLES

KEYNOTE-054

KEYNOTE-054 EFFICACY DATA KEYNOTE-054 SAFETY DATA KEYNOTE-054 SUMMARY











KEYNOTE-054 study design: randomised, double-blind, Phase III trial in collaboration with EORTC^{1,2}

Within 13

weeks of

surgery

High-risk, resected, Stage III cutaneous melanoma

- Aged ≥18 years
- No prior systemic therapy for melanoma
- No autoimmune disease or uncontrolled infections
- ECOG PS 0-1

Stratification factors:

by 1–3 countries

2018:18:775-784.

≥4 positive lymph nodes · Region: 17 regions, each formed

- Excluding mucosal or ocular melanoma
- No prior therapy for melanoma, other than surgery or interferon for thick primary melanomas without evidence of lymph node involvement

Stage: IIIA (>1 mm metastasis) vs IIIB

vs IIIC 1-3 positive lymph nodes vs IIIC

200 ma IV Q3W R 1:1

(N=1019)

IV Q3W

PART 1: ADJUVANT THERAPY^{1,2}

KEYTRUDA (n=514)

Total of 18 doses; approximately 1 year*

Placebo (n=505)

Total of 18 doses; approximately 1 year*

Primary endpoint:

Investigator-assessed RFS

Secondary endpoints:

- DMFS and OS
- Safety and tolerability

View baseline patient characteristics

PART 2: POST-RECURRENCE¹

(investigations are ongoing and include non-reimbursed, non-licensed indications)

Recurrence >6 months

Recurrence

Crossover and unblinding

KEYTRUDA 200 mg IV Q3W until progression or recurrence, up to 2 years

Data from the treatment crossover will allow comparison of KEYTRUDA adjuvant therapy vs KEYTRUDA to treat relapses



Please note that the post-recurrence part of KEYNOTE-054 is not covered in this presentation as this is outside the licensed indication for KEYTRUDA

Adapted from Eggermont AMM, et al. N Engl J Med 2022.1

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

*KEYNOTE-054 enrolled patients per AJCC 7th edition. Stage IIIA melanoma according to the AJCC 8th edition identifies a patient population with a better prognosis compared to Stage IIIA according to AJCC 7th edition. 1.3 AJCC, American Joint Committee on Cancer; DMFS, distant metastasis-free survival; ECOG PS, Eastern Cooperative Oncology Group performance status; EORTC, European Organisation for Research and Treatment of Cancer; OS, overall survival; PD-1, programmed death protein 1; RFS, recurrence-free survival. 1. Eggermont AMM, et al. N Engl J Med 2018;378:1789-1801. 2. Eggermont AMM, et al. N Engl J Med 2018;378:1789-1801. Protocol. 3. Keung EZ & Gershenwald JE. Expert Rev Anticancer Ther









KEYNOTE-054: key trial endpoints¹

The efficacy analysis was done in the ITT population, which included all patients randomly assigned to treatment. Safety was assessed in the group of patients who started their randomly assigned trial regimen.

Primary efficacy endpoint:

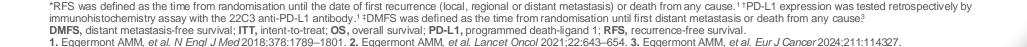
Investigator-assessed, recurrence-free survival (RFS)* in the whole population and in the population with PD-L1-positive tumours[†]

> At the clinical cut-off date (2 October 2017), 351 events (recurrences or deaths) had been reported in the ITT population

Secondary endpoints:

Distant metastasis-free survival (DMFS)[‡] and overall survival (OS) in the whole population; adverse event profile

- > DMFS was a secondary endpoint, and data were only available after the 42.3-month analysis²
- > The OS analysis is planned after 380 deaths or 10 years from the randomisation of the last patient, whichever occurs first3







Patients in KEYNOTE-054 were representative of the Stage III melanoma population*1,2

AJCC 7*					
Stage IIIA (with >1 mm lymph node metastasis)	Stage IIIB	Stage IIIC (1–3 positive lymph nodes)	Stage IIIC (>3 positive lymph nodes)		
15.7% (n=160/1019)	45.8% (n=467/1019)	18.4% (n=188/1019)	20.0% (n=204/1019)		
AJCC 8*					
Stage IIIA	Stage IIIB	Stage IIIC	Stage IIID		
8.0% (n=82/1019)	34.7% (n=354/1019)	49.7% (n=506/1019)	3.7% (n=38/1019)		

BRAF-V600 mutation positive

43.3%

(n=441/1019)

BRAF wild-type

43.9%

(n=447/1019)

PD-L1 positive

83.7%

(n=853/1019)

*AJCC 7 population characteristics are based on randomisation; AJCC 8 population characteristics are based on case report forms. ² †PD-L1 positivity defined as staining on >1% of tumour cells according to an investigational immunohistochemistry assay. ^{1,2} **AJCC**, American Joint Committee on Cancer; **PD-L1**, programmed death-ligand 1.

1. Eggermont AMM, et al. N Engl J Med 2018;378:1789–1801. 2. Eggermont AMM, et al. Eur J Cancer 2019;116:148–157.









KEYTRUDA (pembrolizumab)





RFS following treatment with adjuvant KEYTRUDA versus placebo¹



PRIMARY ENDPOINT (median follow-up: 15.1 months)

RFS in the ITT population

- Patients with events: 26.3% (n=135/514) vs 42.8% (n=216/505)
- > HR: 0.57; 95% CI: 0.43-0.74; p<0.001
 - The interim analysis (IA1) was performed at a one-sided alpha level of 0.8% (two-sided alpha level: 1.6%)
- > 12-month RFS rate: 75.4% vs 61.0%

43%

relative reduction in risk of disease recurrence with KEYTRUDA vs placebo

RFS in the PD-L1-positive population

- Patients with events: 23.8% (n=102/428) vs 41.4% (n=176/425)
- > HR: 0.54; 95% CI: 0.42–0.69; p<0.001
- > 12-month RFS rate: 77.1% vs 62.6%

46%

relative reduction in risk of disease recurrence with KEYTRUDA vs placebo

In December 2017, the independent data and safety monitoring committee reviewed the unblinded results and recommended the reporting of the primary endpoints and safety. Because the results were positive in the ITT population, **the interim analysis of RFS became the final analysis**.

See RFS KM curve in ITT population

View RFS KM curve in PD-L1+ population

View RFS data by AJCC classification

View RFS data by BRAF status

View relapse rates

IA1 data cut-off: 2 October 2017.1

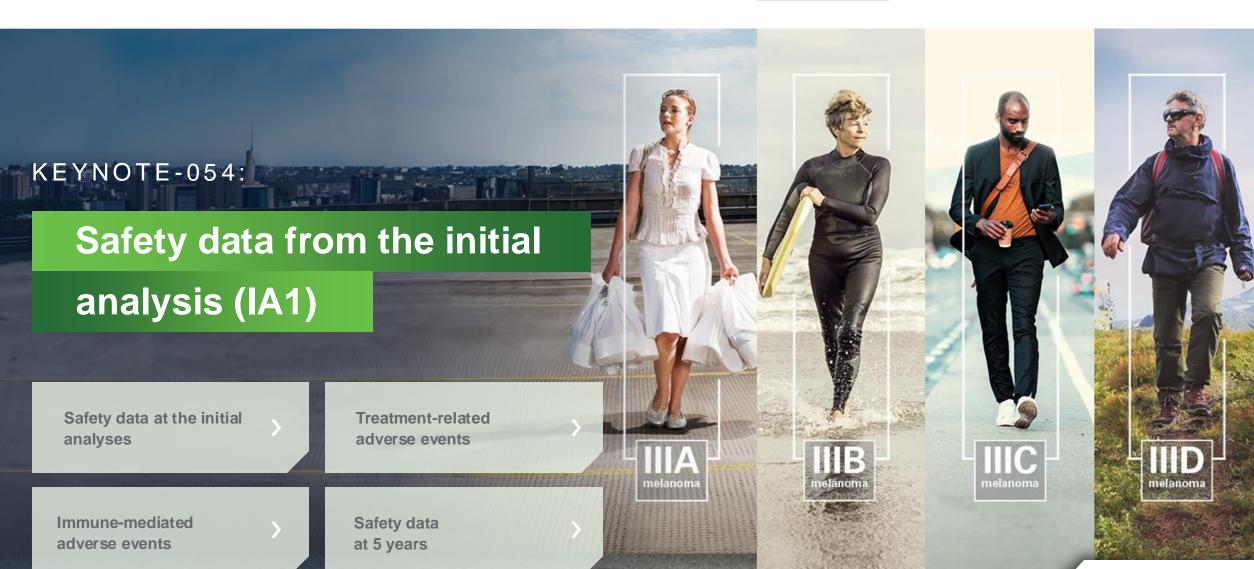
CI, confidence interval; HR, hazard ratio; IA, interim analysis; ITT, intent-to-treat; PD-L1, programmed death-ligand 1; RFS, recurrence-free survival. 1. Eggermont AMM, et al. N Eng J Med 2018;378:1789–1801.







KEYTRUDA* (pembrolizumab)





Summary of adverse events during KEYNOTE-054¹

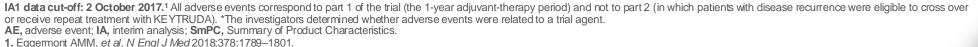
Median follow-up: 15.1 months. Safety data includes patients who received at least one dose of study treatment.

Adverse event, n (%)	KEYTRUDA (n=509)	Placebo (n=502)
Any	475 (93.3)	453 (90.2)
Treatment-related*	396 (77.8)	332 (66.1)
Grade 3–4	75 (14.7)	17 (3.4)
Led to discontinuation	70 (13.8)	11 (2.2)
Immune-mediated and infusion reactions	190 (37.3)	45 (9.0)
Grade 3–4	36 (7.1)	3 (0.6)

- Similar proportions of patients in both study arms completed treatment (n=509 for KEYTRUDA, n=502 for placebo)
- The safety profile of KEYTRUDA among the patients with resected melanoma enrolled in KEYNOTE-054 was consistent with previous analyses
- There was one KEYTRUDA-related death due to myositis

Adapted from Eggermont AMM, et al. N Eng J Med 2018.1

Refer to the SmPC and Risk Management Materials for further details on AEs before prescribing.





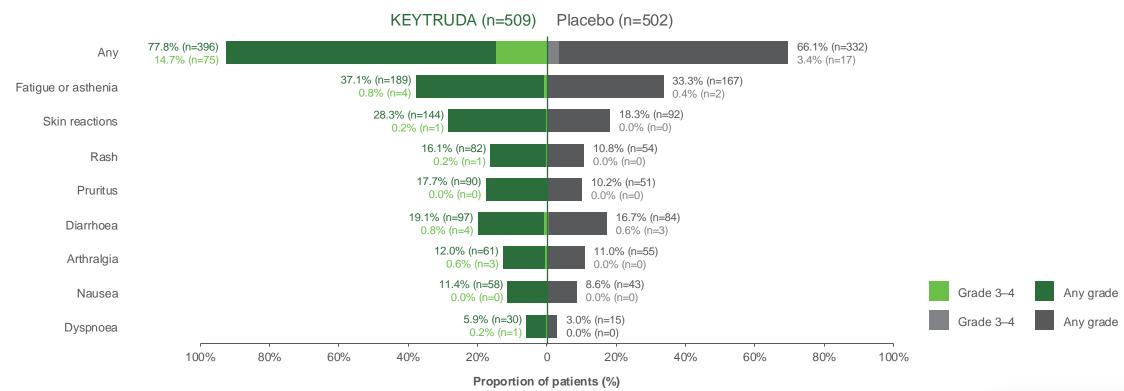




Summary of TRAEs during KEYNOTE-054¹

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

TRAEs reported by 15.1-month median follow-up*



Adapted from Eggermont AMM, et al. N Eng J Med 2018.1

Refer to the SmPC and Risk Management Materials for further details on AEs before prescribing.

IA1 data cut-off: 2 October 2017.1

*The investigators determined whether adverse events were related to a trial agent.

AE, adverse event; **IA**, interim analysis; **SmPC**, Summary of Product Characteristics; **TRAE**, treatment-related adverse event.





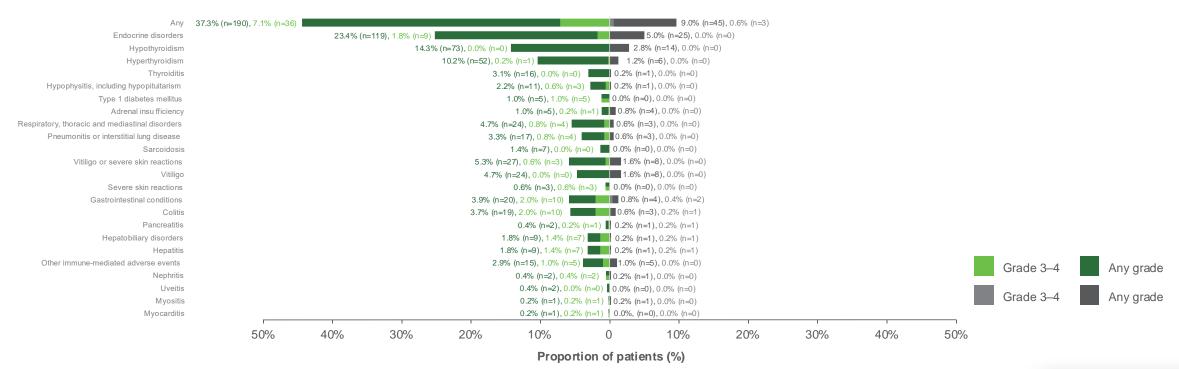


Summary of IMAEs during KEYNOTE-054¹

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

IMAEs reported by 15.1-month median follow-up

KEYTRUDA (n=509) Placebo (n=502)



Adapted from Eggermont AMM, et al. N Eng J Med 2018.

Refer to the SmPC and Risk Management Materials for further details on AEs before prescribing.

IA data cut-off: 2 October 2017.1

AE, adverse event; **IA**, interim analysis; **IMAE**, immune-mediated adverse event; **SmPC**, Summary of Product Characteristics. **1.** Eggermont AMM, et al. N Engl J Med 2018;378:1789–1801.





At 5-year follow-up, serious TRAEs were reported in nine patients receiving KEYTRUDA and one patient receiving placebo*1

Median follow-up: 4.9 years. Safety data includes patients who received at least one dose of study treatment.

Treatment-related serious AEs reported during follow-up treatment with KEYTRUDA²

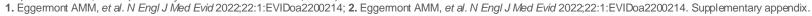
Adverse event	Grade	Number of patients
Allergic oedema	3	1
Diarrhoea	3	2
Enteritis	3	1
Immune thrombocytopenia	4	1
Immune-mediated enterocolitis	4	1
Myositis	5	1
Plasmacytoma	3	1
Pneumonitis	3	1

Adapted from Eggermont AMM, et al. N Eng J Med Evid 2022.2

Refer to the SmPC and Risk Management Materials for further details on AEs before prescribing.

Data cut-off: 17 January 2022.1

*Only serious treatment-related AEs were requested to be reported during the follow-up period starting 90 days after treatment administration.¹ AE, adverse event; SmPC, Summary of Product Characteristics; TRAE, treatment-related adverse event.

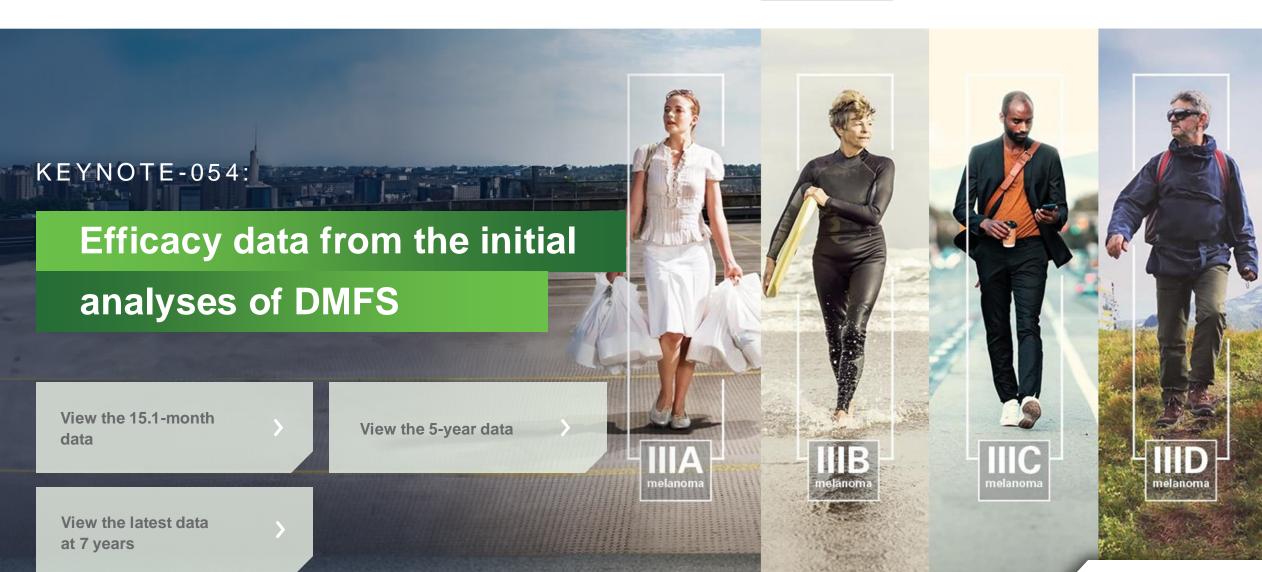








KEYTRUDA* (pembrolizumab)



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

40%

relative risk

reduction

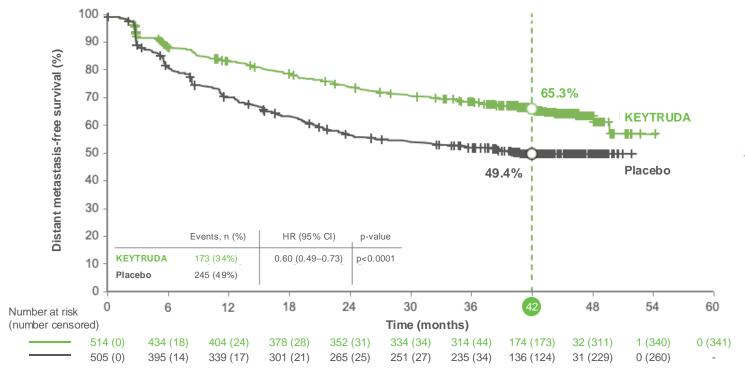




DMFS was significantly higher in patients treated with adjuvant KEYTRUDA vs placebo after 3 years¹

3 years

Kaplan-Meier estimates of DMFS in ITT population



Median follow-up: 42.3 months. DMFS was a secondary endpoint and data were only available at this analysis.¹

- After 3 years, KEYTRUDA demonstrated a 40% relative risk reduction in distant metastasis versus placebo
 - Patients with events: 34% (n=173/514)
 vs 49% (n=245/505)
 - HR: 0.60; 95% CI: 0.49-0.73; p<0.0001

Adapted from Eggermont AMM, et al. Lancet Oncol 2021.1



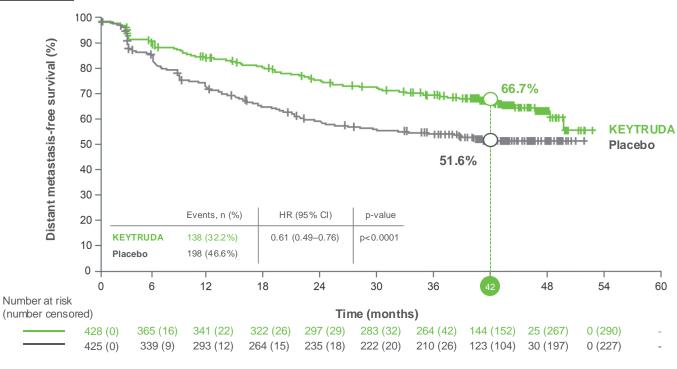




Significant increases in DMFS were also seen in patients with PD-L1-positive tumours treated with adjuvant KEYTRUDA vs placebo¹

3 years

Kaplan-Meier estimates of DMFS in the PD-L1-positive population



Median follow-up: 42.3 months. DMFS was a secondary endpoint and data were only available at this analysis.¹

39% relative risk reduction

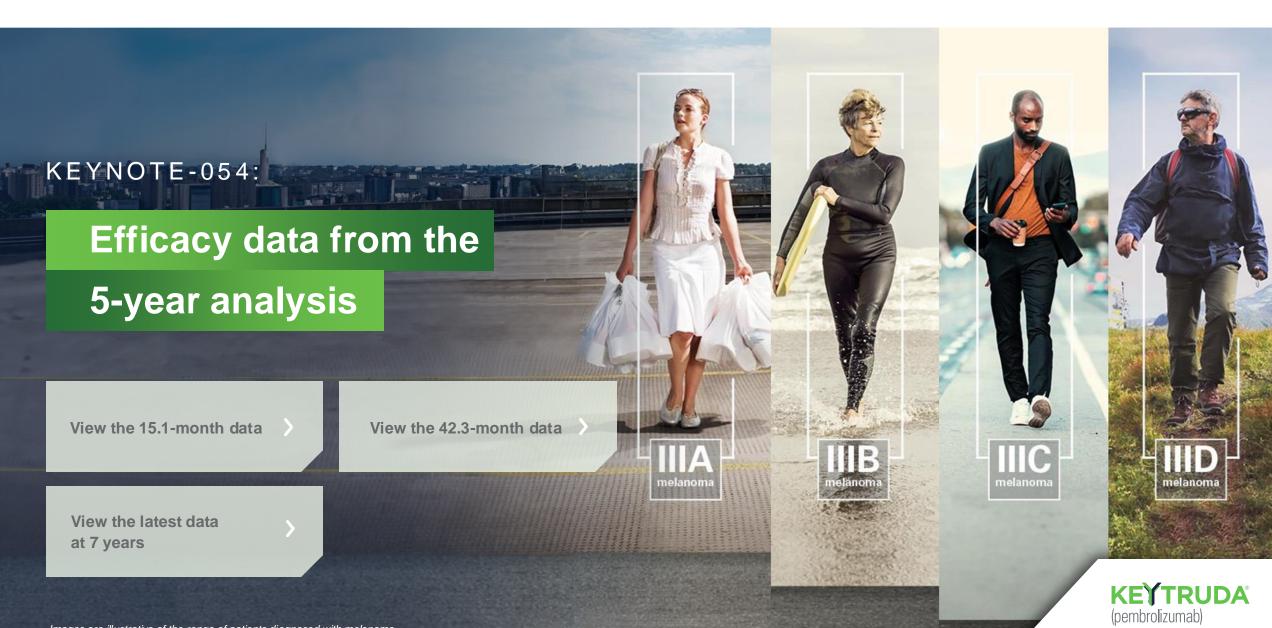
- In the PD-L1-positive population, KEYTRUDA demonstrated a 39% relative risk reduction in distant metastasis versus placebo¹
 - Patients with events: 32.2% (n=138/514)
 vs 46.6% (n=198/505)
 - HR: 0.61; 95% CI: 0.49-0.76; p<0.0001

Adapted from Eggermont AMM, et al. Lancet Oncol 2021.1





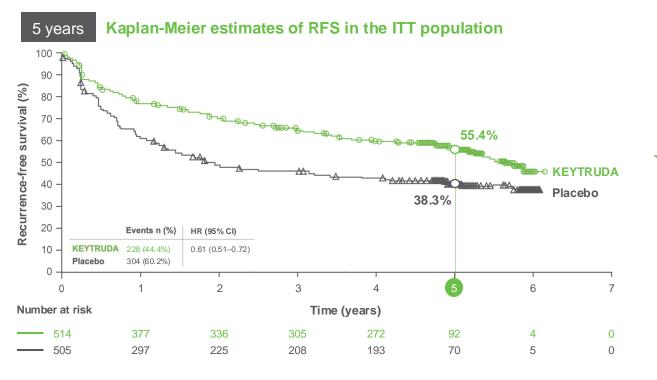




Images are illustrative of the range of patients diagnosed with melanoma.

Patients treated with adjuvant KEYTRUDA showed higher RFS vs placebo after 5 years¹

Median follow-up: 4.9 years. Exploratory long-term analysis; statistical significance was met in the initial analysis; significance was not tested at this timepoint and no statistical conclusions can be drawn from this analysis.



39% recurreduction > After 5 a 39% recurreduction > After 5 a

- After 5 years, KEYTRUDA demonstrated a 39% relative risk reduction in disease recurrence versus placebo¹
 - Patients with events: 44.4% (n=228/514)
 vs 60.2% (n=304/505)
 - HR: 0.61; 95% CI: 0.51-0.72*

View RFS data in the PD-L1-positive population

View RFS data in the PD-L1-negative population

Adapted from Eggermont AMM, et al. N Eng J Med Evid 2022.1

Data cut-off: 17 January 2022.1

*The HR and its CI were estimated using the Cox proportional hazards model stratified by Stage provided at randomisation.¹ CI, confidence interval; HR, hazard ratio; ITT, intent-to-treat; RFS, recurrence-free survival.

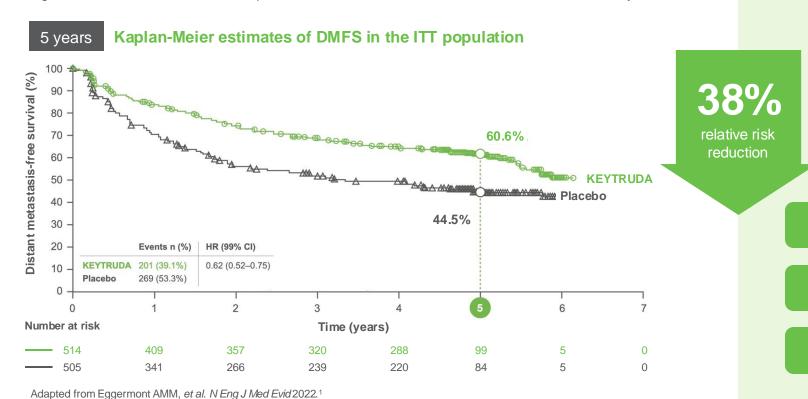
1. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214.





DMFS was higher in patients treated with adjuvant KEYTRUDA vs placebo after 5 years¹

Median follow-up: 4.9 years. Exploratory long-term analysis; statistical significance was met in the initial analysis; significance was not tested at this timepoint and no statistical conclusions can be drawn from this analysis.



After 5 years, KEYTRUDA demonstrated a 38% relative risk reduction in distant metastasis versus placebo

Patients with events: 39.1% (n=201/514)
 vs 53.3% (n=269/505)

- HR: 0.62; 99% CI: 0.52-0.75

View DMFS data in the PD-L1-positive population

View DMFS data by AJCC classification

View DMFS data by BRAF status

Data cut-off: 17 January 2022.1

CI, confidence interval; DMFS, distant metastasis-free survival; HR, hazard ratio; ITT, intent-to-treat; RFS, recurrence-free survival.

1. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214.





DMFS and RFS over the full study period¹

Median follow-up: 4.9 years.

Distant metastasis-free survival status, n (%)

	KEYTRUDA (n=514)	Placebo (n=505)
No event	313 (60.9)	236 (46.7)
Event	201 (39.1)	269 (53.3)
Distant metastasis*	187 (36.4)	264 (52.3)
Lymph node	65 (12.6)	91 (18.0)
Lung	68 (13.2)	108 (21.4)
Liver	40 (7.8)	57 (11.3)
Bone	21 (4.1)	35 (6.9)
Brain	29 (5.6)	38 (7.5)
Skin	14 (2.7)	25 (5.0)
Other soft tissues	28 (5.4)	43 (8.5)
Other site	24 (4.7)	40 (7.9)
Death not due to melanoma†	9 (1.8)	3 (0.6)
Death due to melanoma, no distant metastasis reported	5 (1.0)	2 (0.4)

Recurrence-free survival status, n (%)

	KEYTRUDA (n=514)	Placebo (n=505)
No event	286 (55.6)	201 (39.8)
Event	228 (44.4)	304 (60.2)
Recurrence		
Locoregional recurrence only	74 (14.4)	96 (19.0)
Distant metastasis only	133 (25.9)	174 (34.5)
Both, diagnosed within 30 days of each other	10 (1.9)	32 (6.3)
Death not due to melanoma, including unknown type or recurrence [†]	9 (1.8)	2 (0.4)
Death due to melanoma, no recurrence reported	2 (0.4)	0

Data cut-off: 17 January 2022.2

^{*}Distant metastasis occurring as first type of recurrence or after a locoregional recurrence; the different types of sites involved are indicated; one patient might have several sites involved.¹
†One patient (<1%) died due to myositis in the KEYTRUDA group; all others died due to causes of death unrelated to treatment allocated by randomisation.¹

DMFS, distant metastasis-free survival; RFS, recurrence-free survival.





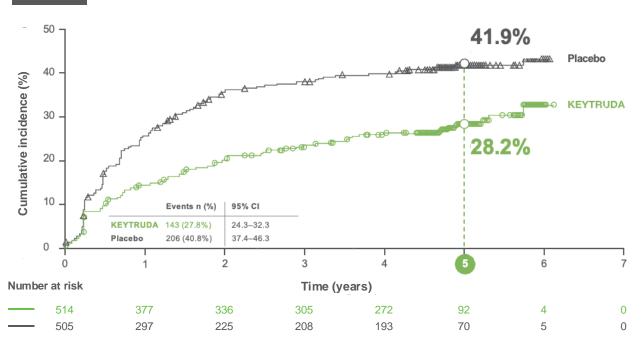




Patients treated with adjuvant KEYTRUDA showed a lower cumulative incidence of distant metastases as first type of recurrence vs placebo^{1,2}

5 years

Cumulative incidence of distant metastasis as first type of recurrence



- > Positive treatment effect was seen for both locoregional recurrences and distant metastases²
- The 5-year cumulative incidence of distant metastasis as first type was 28.2% and 41.9% in the KEYTRUDA and placebo groups, respectively*2

Adapted from Eggermont AMM, et al. N Eng J Med Evid 2022.1,2

Data cut-off: 17 January 2022.2

*5-year cumulative incidence of distant metastasis as the first type of recurrence. Adjuvant KEYTRUDA group: 28.2% (95% CI: 24.3–32.3); 41.9% (95% CI: 37.4–46.3).2 CI, confidence interval.

1. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214. Supplementary appendix. 2. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214.







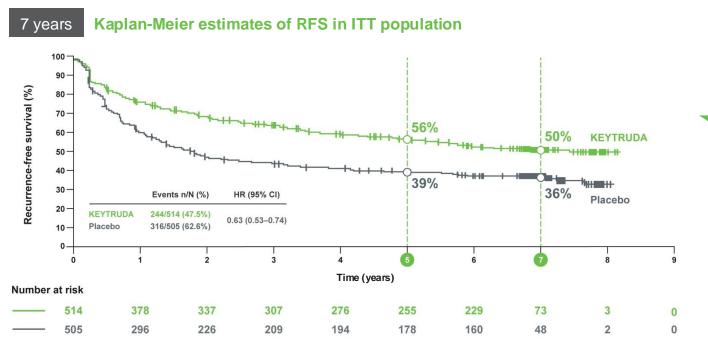


Images are illustrative of the range of patients diagnosed with melanoma.



Patients treated with adjuvant KEYTRUDA showed higher RFS vs placebo after 7 years¹

Exploratory long-term analysis; statistical significance was met in the initial analysis; significance was not tested at this timepoint and no statistical conclusions can be drawn from this analysis.



37% relative risk reduction

- After 7 years, KEYTRUDA demonstrated a 37% relative risk reduction in disease recurrence versus placebo¹
 - Patients with events: 47.5% (n=244/514)
 vs 62.6% (n=316/505)
 - HR: 0.63; 95% CI: 0.53-0.74*

Adjuvant KEYTRUDA continued to provide long-term, sustained benefit in RFS compared with placebo after a median follow-up of 7 years¹

Adapted from Eggermont AMM, et al. Eur J Cancer 2024.1

Data cut-off: 3 January 2024.1

*The estimate of the hazard ratio was based on a Cox model stratified according to disease stage at randomisation.

CI, confidence interval; HR, hazard ratio; RFS, recurrence-free survival; ITT, intent-to-treat; n, number of events; N, number of patients.

1. Eggermont AMM, et al. Eur J Cancer 2024;211:114327.



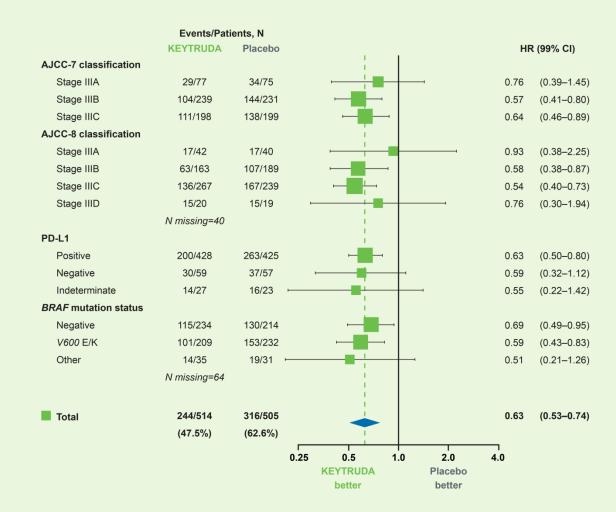


KEYTRUDA showed consistent RFS across subgroups after 7 years¹

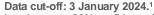
Exploratory long-term analysis; statistical significance was met in the initial analysis; significance was not tested at this timepoint and no statistical conclusions can be drawn from this analysis.

- Improvements vs placebo across AJCC-7 and AJCC-8 classifications, consistent with previous reports, indicate that patients with microscopic minimal residual disease benefit equally, independent of sentinel node status¹
- Treatment effect was similar in both PD-L1-positive and PD-L1-negative patients¹

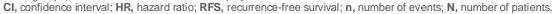
After 7 years, improvement in RFS with adjuvant KEYTRUDA was consistent across all subgroups and similar to previous analyses¹



Adapted from Eggermont AMM, et al. Eur J Cancer 2024.1



In subgroups, 99% confidence intervals are displayed.



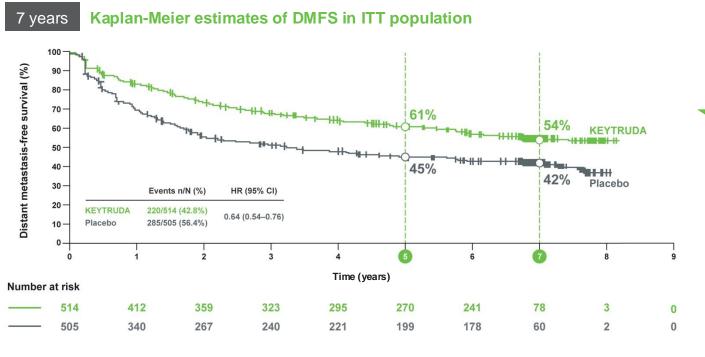






Patients treated with adjuvant KEYTRUDA showed higher DMFS vs placebo after 7 years¹

Exploratory long-term analysis; statistical significance was met in the initial analysis; significance was not tested at this timepoint and no statistical conclusions can be drawn from this analysis.



36% relative risk reduction

- After 7 years, KEYTRUDA demonstrated a 36% relative risk reduction in distant metastasis versus placebo¹
 - Patients with events: 42.8% (n=220/514)
 vs 56.4% (n=285/505)
 - HR: 0.64; 95% CI: 0.54–0.76

Adjuvant KEYTRUDA continued to provide long-term, sustained benefit in DMFS compared with placebo after a median follow-up of 7 years¹

Adapted from Eggermont AMM, et al. Eur J Cancer 2024.1

Data cut-off: 3 January 2024.1

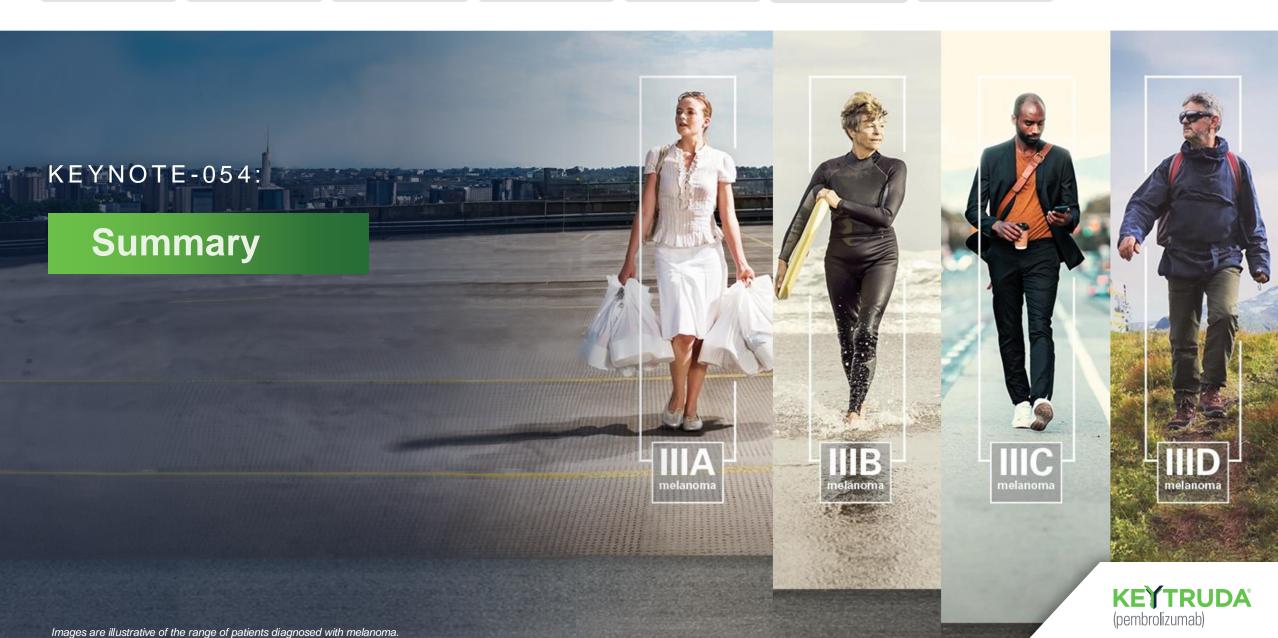
CI, confidence interval; DMFS, distant metastasis-free survival; HR, hazard ratio; ITT, intent-to-treat; n, number of events; N, number of patients.

1. Eggermont AMM, et al. Eur J Cancer 2024;211:114327.











Patients with Stage III could benefit from adjuvant KEYTRUDA treatment, similar to patients in the KEYNOTE-054 trial

During KEYNOTE-054, in patients with Stage III melanoma, KEYTRUDA demonstrated vs placebo:

Significant extension of recurrence-free survival¹

15.1 months median follow-up:

- > ITT population: 43% RRR (HR: 0.57; 98.4% CI: 0.43–0.74; p<0.001)
- PD-L1+ population:46% RRR (HR: 0.54; 95% CI: 0.42–0.69; p<0.001)

Long term, sustained RFS benefit across 7 years of treatment²

7 years median follow-up:

> ITT population: 37% RRR (HR: 0.63; 95% CI: 0.53–0.74)

Improvement in DMFS after 5 years across all subgroups³

4.9 years median follow-up:

- > ITT population: 38% RRR (HR: 0.62; 95% CI: 0.52–0.75)
- Consistent benefit across subgroups, irrespective of AJCC-7/-8 staging, PD-L1 status or BRAF mutation status

A manageable safety profile, consistent with previous reports^{1,3,4}

At the initial analysis:

- > TRAEs occurred in 77.8% vs 66.1% of patients
- > IMAEs occurred in 37.3% vs 9.0% of patients
- KEYTRUDA did not have a significant impact on long-term HRQoL⁵

AJCC, American Joint Committee on Cancer; CI, confidence interval; DMFS, distant metastasis-free survival; HR, hazard ratio; HRQoL, health-related quality of life; ITT, intent-to-treat; PD-L1, programmed death-ligand 1; RFS, recurrence-free survival; RRR, relative risk reduction.



4. Eggermont AMM, et al. Lancet Oncol 2021;22:643–654. 5. Bührer E, et al. Lancet Oncol 2024;25:P1202–1212.



HOME RISKS IN MELANOMA

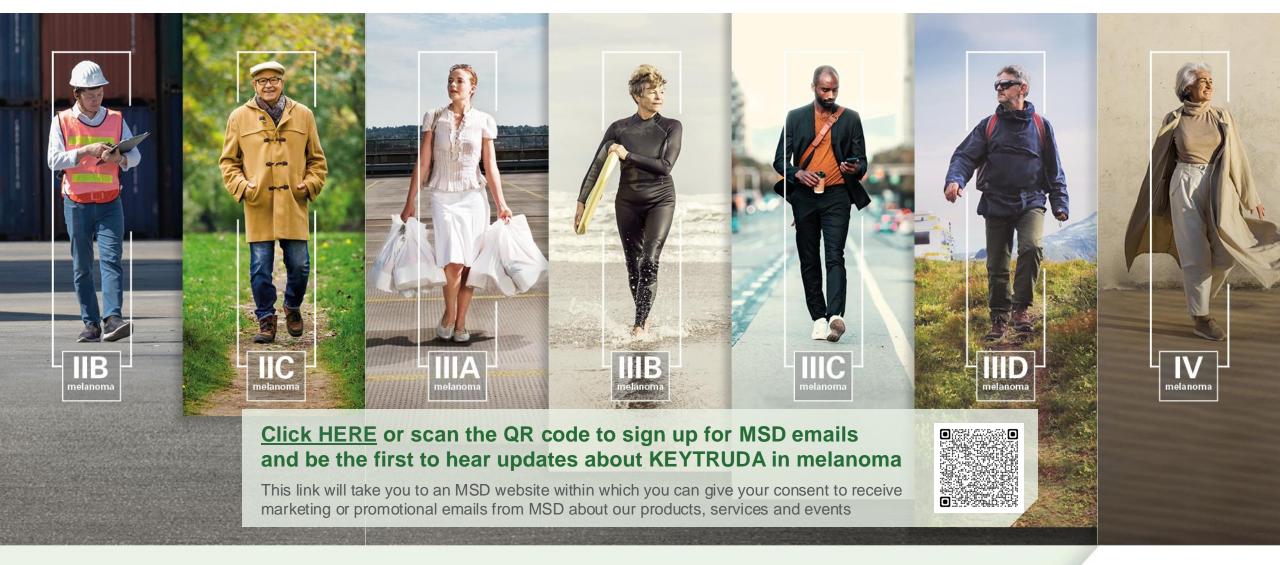
PATIENT EXAMPLES

KEYNOTE-054

KEYNOTE-054 EFFICACY DATA KEYNOTE-054 SAFETY DATA KEYNOTE-054 SUMMARY

















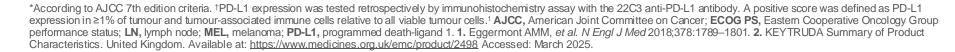
Baseline patient characteristics

		KEYTRUDA (n=514)	Placebo (n=505)
Median age, years		54	54
Aged ≥65 years, n (%)		125 (24.3)	126 (25.0)
Male, n (%)		324 (63.0)	304 (60.2)
Stage, n (%)*	IIIA	80 (15.6)	80 (15.8)
	IIIB	237 (46.1)	230 (45.5)
	IIIC w/ 1–3 positive LN	95 (18.5)	93 (18.4)
	IIIC w/ ≥4 positive LN	102 (19.8)	102 (20.2)
Ulceration, n (%)		208 (40.5)	197 (39.0)
1 vs 2-3 vs ≥4 positive LN, %		44.2 vs 34.4 vs 21.4	46.9 vs 32.9 vs 20.2
LN involvement, n (%)	Microscopic	187 (36.4)	161 (31.9)
	Macroscopic	327 (63.6)	344 (68.1)
PD-L1 status, n (%) [†]	Positive (MEL 2,3,4 or 5)	428 (83.3)	425 (84.2)
	Negative (MEL 0 or 1)	59 (11.5)	57 (11.3)
	Indeterminate	27 (5.3)	23 (4.6)
BRAF mutation status, n (%)	Wild type	233 (45.3)	214 (42.4)
	V600E/K mutant	210 (40.9)	231 (45.7)
	Other	35 (6.8)	31 (6.1)
	Unknown	36 (7.0)	29 (5.7)

- > Baseline characteristics were similar between the two groups
- Out of 1019 patients randomised to KEYNOTE-054, 94% were ECOG PS 0 and 6% were ECOG PS 1²

Return to study design

Adapted from Eggermont AMM, et al. N Engl J Med 2018.1

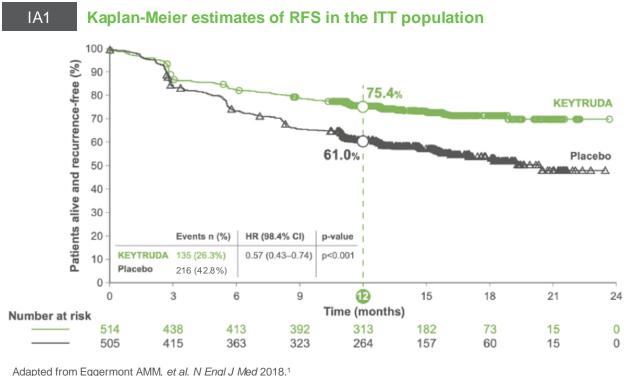






KEYTRUDA treatment was associated with a significant improvement in RFS vs placebo in the overall population¹

Median follow-up: 15.1 months. RFS in the ITT population was a primary endpoint of KEYNOTE-054.

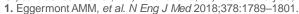


43% relative risk reduction

- During the initial analysis of RFS, adjuvant KEYTRUDA demonstrated a 43% relative risk reduction in disease recurrence versus placebo¹
 - Patients with events: 26.3% (n=135/514) vs 42.8% (n=216/505)
 - HR: 0.57; 95% CI: 0.43-0.74; p<0.001

Benefit from adjuvant KEYTRUDA was maintained **beyond cessation** of treatment

Return to RFS data





reduction

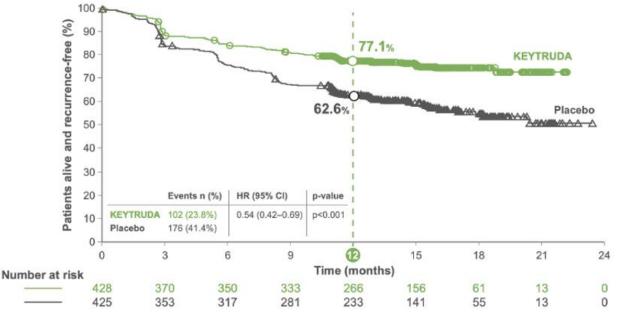




PD-L1-positive patients also showed significant improvement in RFS with KEYTRUDA treatment vs placebo

Median follow-up: 15.1 months. RFS in the PD-L1+ population was a primary endpoint of KEYNOTE-054.





46% relative risk

> Within the PD-L1-positive population, adjuvant KEYTRUDA demonstrated a 46% relative risk reduction in disease recurrence versus placebo¹

 Patients with events: 23.8% (n=102/428) vs 41.4% (n=176/425)

HR: 0.54; 95% CI: 0.42–0.69; p<0.001

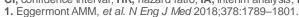
Both the PD-L1-positive and PD-L1-negative subgroups showed greater improvements in RFS with KEYTRUDA adjuvant therapy vs placebo1

Return to RFS data

Adapted from Eggermont AMM, et al. N Engl J Med 2018.1



Duration of treatment: Q3W for 18 doses (~1 year). Stratified by Stage given at randomisation. CI, confidence interval; HR, hazard ratio; IA, interim analysis; ITT, intent-to-treat; n, number; PD-L1, programmed death-ligand 1; Q3W, every three weeks.







Adjuvant KEYTRUDA showed consistent RFS across AJCC staging classifications*1

Median follow-up: 15.1 months. Subgroup analysis was pre-specified but not statistically powered for comparison, therefore results should be interpreted with caution.

Subgroup	KEYTRUDA	Placebo	HR (99% or 98.4% CI) [†]		P-value for interaction
	No. of even	ts/total no.			
Fumour PD-L1 expression					0.60
Positive	102/428	176/425	—	0.54 (0.39-0.74)	
Negative	20/59	27/57		0.60 (0.28-1.28)	
ndeterminate	13/27	13/23		0.80 (0.29-2.19)	
Sex					0.49
Male	86/324	138/304	-	0.53 (0.37–0.76)	
Female	49/190	78/201		0.62 (0.39-1.00)	
age					0.86
18 to <65 years	96/389	154/379	-	0.57 (0.41–0.80)	
≥65 years	39/125	62/126		0.55 (0.32-0.93)	
JCC 2009 melanoma classification					0.69
Stage IIIA	6/77	15/76	← ■	0.38 (0.11–1.31)	
Stage IIIB	62/240	97/232		0.58 (0.38–0.88)	
Stage IIIC	67/197	104/197		0.58 (0.38–0.86)	
lo. of positive lymph nodes					0.78
1	44/227	80/237		0.53 (0.33-0.86)	
2 or 3	46/177	76/166		0.52 (0.32-0.85)	
≥4	45/110	60/102		0.62 (0.37-1.03)	

View RFS in Stage IIIA

View RFS in Stage IIIB

View RFS in Stage IIIC

Return to RFS data

Adapted from Eggermont AMM, et al. N Engl J Med 2018.1



KEYTRUDA better

Placebo better



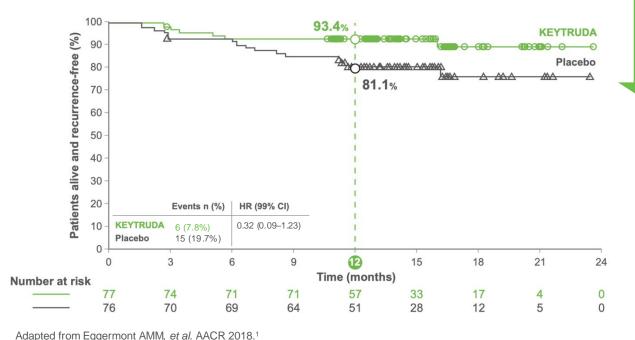
In Stage IIIA patients, adjuvant KEYTRUDA also showed a numerically higher RFS vs placebo¹

Median follow-up: 15.1 months.²

Subgroup analysis was pre-specified but not statistically powered for comparison.

IA1

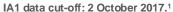
Kaplan-Meier estimates of RFS in Stage IIIA (AJCC 7th edition)



68% relative risk reduction

- > In patients with Stage IIIA melanoma, KEYTRUDA demonstrated a 68% relative risk reduction in disease recurrence versus placebo
 - Patients with events: 7.8% (n=6/77) vs 19.7% (n=15/76)
 - HR: 0.32; 99% CI: 0.09-1.23
 - Due to small patient numbers, results should be interpreted with caution

Return to RFS by AJCC classification



Stratified by stage given at randomisation. Staging per AJCC 7th edition.

Stage IIIA melanoma according to the AJCC 8th edition identifies a patient population with a better prognosis compared to Stage IIIA according to AJCC 7th edition.3

AJCC, American Joint Committee on Cancer; CI, confidence interval; HR, hazard ratio; IA, interim analysis; RFS, recurrence-free survival 1. Eggermont A, et al. AACR Annual Meeting. 14–18 April 2018, Chicago, IL, USA. Abstract: LBA-10526. 2. Eggermont AMM, et al. N Eng J Med 2018:378:1789–1801. 3. Keung EZ & Gershenwald JE. Expert Rev Anticancer Ther 2018;18:775-784.





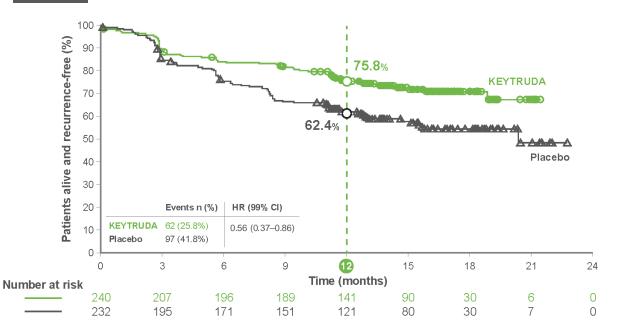
In Stage IIIB patients, adjuvant KEYTRUDA also showed a numerically higher RFS vs placebo¹

Median follow-up: 15.1 months.

Subgroup analysis was pre-specified but not statistically powered for comparison.

IA1

Kaplan-Meier estimates of RFS in Stage IIIB (AJCC 7th edition)



44%
relative risk reduction

In patients with Stage IIIB melanoma, KEYTRUDA demonstrated a 44% relative risk reduction in disease recurrence versus placebo

Patients with events: 25.8% (n=62/240)
 vs 41.8% (n=97/232)

- HR: 0.56; 99% CI: 0.37-0.86

Return to RFS by AJCC classification

Adapted from Eggermont AMM, et al. AACR 2018.1



Stratified by stage given at randomisation. Staging per AJCC 7th edition.

AJCC, American Joint Committee on Cancer; CI, confidence interval; HR, hazard ratio; IA, interim analysis; RFS, recurrence-free survival.





42%

relative risk

reduction



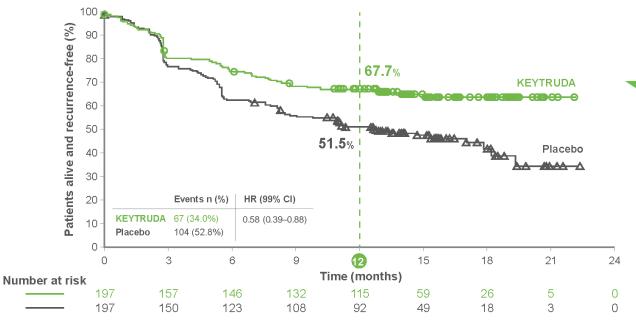


In Stage IIIC patients, adjuvant KEYTRUDA also showed a numerically higher RFS vs placebo¹

Median follow-up: 15.1 months.

Subgroup analysis was pre-specified but not statistically powered for comparison.





> In patients with Stage IIIC melanoma, KEYTRUDA demonstrated a 42% relative risk reduction in disease

 Patients with events: 34.0% (n=67/197) vs 52.8% (n=104/197)

- HR: 0.58; 99% CI: 0.39-0.88



Return to RFS by AJCC classification

Adapted from Eggermont AMM, et al. AACR 2018.1



Stratified by stage given at randomisation. Staging per AJCC 7th edition.

AJCC, American Joint Committee on Cancer, CI, confidence interval; HR, hazard ratio; IA, interim analysis; RFS, recurrence-free survival.

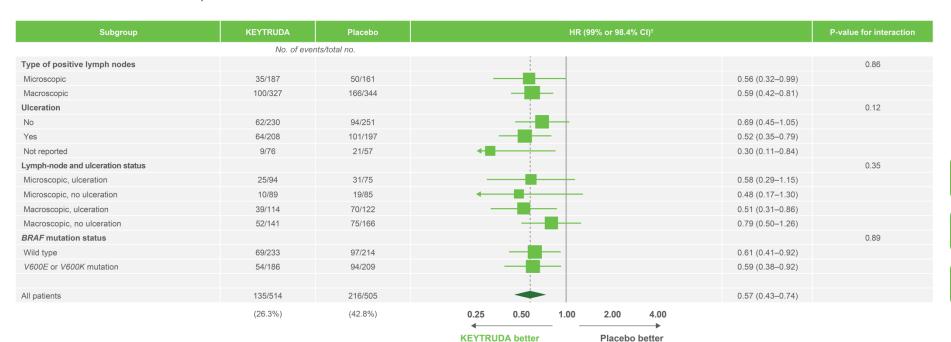






Adjuvant KEYTRUDA showed consistent RFS regardless of *BRAF* mutation status*1

Median follow-up: 15.1 months. Subgroup analysis was pre-specified but not statistically powered for comparison, therefore results should be interpreted with caution.



View RFS data by BRAF V600E/K

View RFS data by BRAFWT

Return to RFS data

Adapted from Eggermont AMM, et al. N Engl J Med 2018.1

IA1 data cut-off: 2 October 2017.1

The green diamond is centred on the overall HR (dashed line) and covers its 98.4% CI.

*Small patient sample can be a limitation. †Unstratified HR. 98.4% CI covers the overall HR. 99% CI is presented for subgroup analysis.1

CI, confidence interval; HR, hazard ratio; IA, interim analysis; Q3W, every 3 weeks; RFS, recurrence-free survival.

1. Eggermont AMM, et al. N Engl J Med 2018;378:1789–1801.

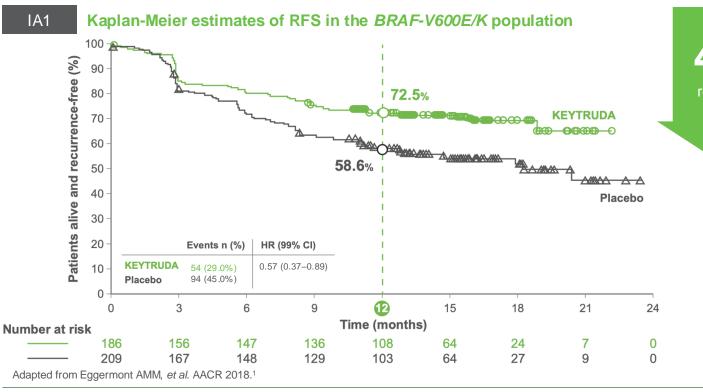




In patients with BRAF-V600E/K, adjuvant KEYTRUDA showed consistent RFS benefit vs placebo¹

Median follow-up: 15.1 months.

Subgroup analysis was pre-specified but not statistically powered for comparison.



43%

relative risk reduction

- > In patients with a BRAF-V600E/K mutation, KEYTRUDA demonstrated a 43% relative risk reduction in disease recurrence versus placebo
 - Patients with events: 29.0% (n=54/186) vs 45.0% (n=94/209)
 - HR: 0.57; 99% CI: 0.37-0.89

RFS results in BRAF subgroups were consistent with results in the ITT population¹

Return to RFS by BRAF status



CI, confidence interval; HR, hazard ratio; IA, interim analysis; ITT, intent-to-treat; RFS, recurrence-free survival.

1. Eggermont A, et al. AACR Annual Meeting. 14–18 April 2018, Chicago, IL, USA. Abstract: LBA-10526

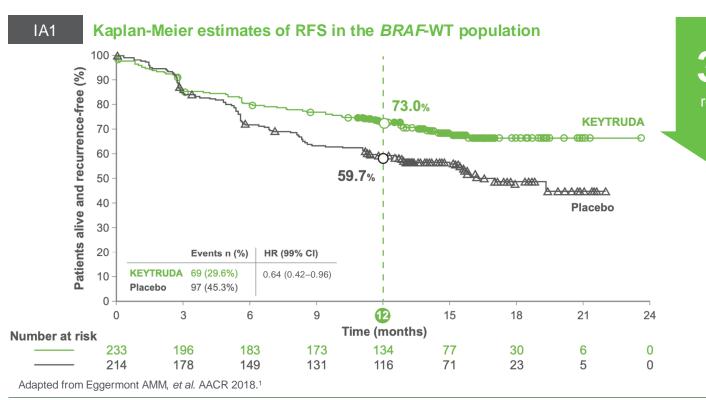




In patients with *BRAF*-WT, adjuvant KEYTRUDA showed a numerically higher RFS vs placebo¹

Median follow-up: 15.1 months.

Subgroup analysis was pre-specified but not statistically powered for comparison.



36% relative risk reduction

- In patients with BRAF-WT, KEYTRUDA demonstrated a 36% relative risk reduction in disease recurrence versus placebo
 - Patients with events: 29.6% (n=69/233)
 vs 45.3% (n=97/214)
 - HR: 0.64; 99% CI: 0.42-0.96

RFS results in *BRAF* subgroups were consistent with results in the ITT population¹

Return to RFS by BRAF status

IA1 data cut-off: 2 October 2017.1

CI, confidence interval; HR, hazard ratio; IA, interim analysis; ITT, intent-to-treat; RFS, recurrence-free survival.







Patients receiving adjuvant KEYTRUDA had a lower relapse rate vs placebo¹

Median follow-up: 15.1 months. Exploratory analysis.

	KEYTRUDA (n=514)	Placebo (n=505)	
No RFS event, n (%)	379 (73.7)	289 (57.2)	
Locoregional recurrence only, n (%)	55 (10.7)	77 (15.2)	Relapse rate
Distant metastasis only, n (%)	69 (13.4)	114 (22.6)	
Both, diagnosed within 30 days of each other, n (%)	9 (1.8)	24 (4.8)	15.2% vs 27.4%
Death without an RFS event, n (%)	2 (0.4)	1 (0.2)	

Adapted from Eggermont AMM, et al. ACCR 2018.1

Return to DMFS data

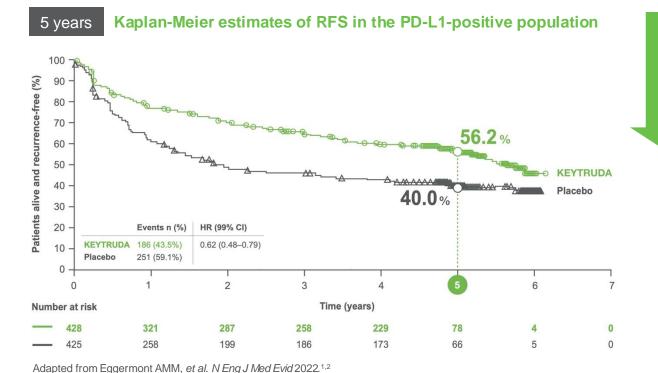






In patients with PD-L1-positive tumours, adjuvant KEYTRUDA resulted in higher RFS vs placebo after 5 years 1,2

Median follow-up: 4.9 years. Exploratory subgroup analysis was pre-specified but not statistically powered for comparison.



38% relative risk reduction

- > In the PD-L1-positive population, KEYTRUDA demonstrated a 38% relative risk reduction distant metastasis versus placebo¹
 - Patients with events: 43.5% (n=186/428) vs 59.1% (n=251/425)
 - HR: 0.62; 99% CI: 0.48-0.79*

KEYTRUDA resulted in higher RFS in patients with PD-L1-positive and PD-L1-negative tumours vs placebo^{1,2}

View RFS data in the PD-L1-negative population Return to RFS data at 5 years

Data cut-off: 17 January 2022.1

1. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214. 2. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214. Supplementary appendix.



^{*}The HR and its CI were estimated using the Cox proportional hazards model stratified by Stage provided at randomisation.1 CI, confidence interval; HR, hazard ratio; PD-L1, programmed death-ligand 1; RFS, recurrence-free survival

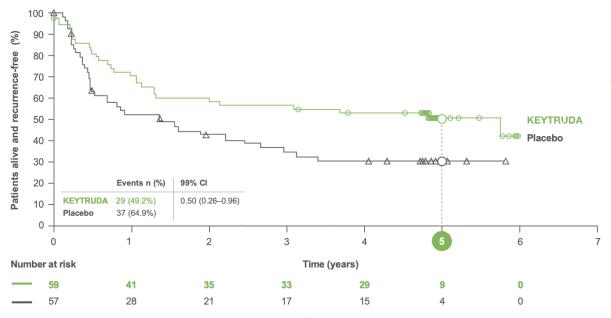


In patients with PD-L1-negative tumours, adjuvant KEYTRUDA resulted in higher RFS vs placebo after 5 years^{1,2}

Median follow-up: 4.9 years. Exploratory subgroup analysis was pre-specified but not statistically powered for comparison.

5 years

Kaplan-Meier estimates of RFS in the PD-L1-negative population



50%

relative risk reduction

- > In the PD-L1-negative population, KEYTRUDA demonstrated a 50% relative risk reduction in distant metastasis versus placebo²
 - Patients with events: 49.2% (n=29/59) vs 64.9% (n=37/57)
 - HR: 0.50; 99% CI: 0.26-0.96*

KEYTRUDA resulted in higher RFS in patients with PD-L1-positive and PD-L1-negative tumours vs placebo^{1,2}

View RFS data in the PD-L1-positive population Return to RFS data at 5 years

Adapted from Eggermont AMM, et al. N Eng J Med Evid 2022. Supplementary appendix.2

Data cut-off: 17 January 2022.1

*The HR and its CI were estimated using the Cox proportional hazards model stratified by Stage provided at randomisation.1

CI, confidence interval; HR, hazard ratio; PD-L1, programmed death-ligand 1; RFS, recurrence-free survival

1. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214. 2. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214. Supplementary appendix.

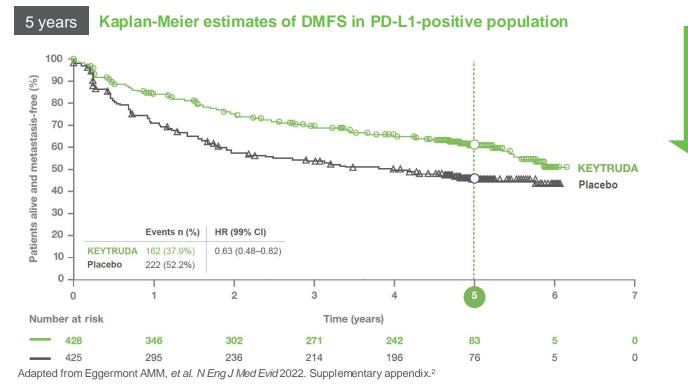






In patients with PD-L1-positive tumours, adjuvant KEYTRUDA resulted in a higher DMFS vs placebo after 5 years 1,2

Median follow-up: 4.9 years. Exploratory subgroup analysis was pre-specified but not statistically powered for comparison.



37% relative risk

reduction

- > In the PD-L1-positive population, KEYTRUDA demonstrated a 37% relative risk reduction in distant metastasis versus placebo²
 - Patients with events: 37.9% (n=162/428) vs 52.2% (n=222/425)
 - HR: 0.63; 99% CI: 0.48-0.82*

Return to DMFS data at 5 years

Data cut-off: 17 January 2022.1

*The HR and its CI were estimated using the Cox proportional hazards model stratified by Stage provided at randomisation.1

CI, confidence interval; HR, hazard ratio; PD-L1, programmed death-ligand 1; RFS, recurrence-free survival

1. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214. 2. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214. Supplementary appendix.





Adjuvant KEYTRUDA showed consistent DMFS across staging classifications after 5 years^{1,2}

		KEYTRUDA (n/N)	Placebo (n/N)	HR (99% CI)*	
	Positive	162/428	222/425	0.63 (0.48–0.82)	-
PD-L1	Negative	27/59	32/57	0.62 (0.31–1.21)	
	Indeterminate	12/27	15/23	0.50 (0.18–1.36)	
0	Male	131/324	171/304	0.59 (0.44–0.80)	-
Sex	Female	70/190	98/201	0.68 (0.45–1.02)	_
Ama waana	<65	152/389	192/379	0.67 (0.50-0.88)	-
Age, years	≥65	49/125	77/126	0.52 (0.32–0.83)	
	IIIA	20/77	26/75	0.67 (0.31–1.44)	
AJCC 7 th ed.	IIIB	89/239	120/231	0.61 (0.42–0.87)	-
	IIIC	92/198	123/199	0.63 (0.44–0.89)	-
	IIIA	10/42	13/40	0.71 (0.24–2.10)	
AJCC 8th ed.	IIIB	56/163	88/189	0.63 (0.41–0.98)	-
AJOU o eu.	IIIC	114/267	145/239	0.56 (0.40-0.77)	_
	IIID	10/20	14/19	0.54 (0.19–1.58)	

Median follow-up: 4.9 years. Exploratory subgroup analysis was pre-specified but not statistically powered for comparison

View DMFS data in Stage IIIA

View DMFS data in Stage IIIB

View DMFS data in Stage IIIC

Return to DMFS data at 5 years

Adapted from Eggermont AMM, et al. N Eng J Med Evid 2022.1

Data cut-off: 17 January 2022.2

*The overall HR is given with 95% Cl. AJCC, American Joint Committee on Cancer; Cl, confidence interval; DMFS, distant metastasis-free survival; HR, hazard ratio; ITT, intent-to-treat; n, number of events; N, number of patients; PD-L1, programmed death-ligand 1; RFS, recurrence-free survival.

1. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214. Supplementary appendix. 2. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214.

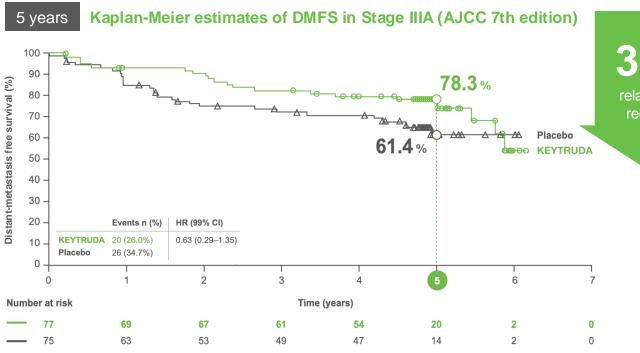






In Stage IIIA patients, adjuvant KEYTRUDA showed higher DMFS vs placebo after 5 years¹

Median follow-up: 4.9 years. Exploratory subgroup analysis was pre-specified but not statistically powered for comparison.



37%

relative risk reduction

- In patients with Stage IIIA melanoma, KEYTRUDA demonstrated a 37% relative risk reduction in distant metastasis versus placebo1
 - Patients with events: 26.0% (n=20/77)
 vs 34.7% (n=26/75)
 - HR: 0.63: 99% CI: 0.29-1.35*

After 5 years, DMFS in patients with Stage IIIA, IIIB and IIIC melanoma was higher for KEYTRUDA adjuvant therapy vs placebo, consistent with the ITT population¹

View DMFS in Stage IIIB

Return to DMFS by AJCC classification

Adapted from Eggermont AMM, et al. N Eng J Med Evid 2022. Supplementary appendix.1

Data cut-off: 17 January 2022.2 *The HR and its CI were estimated using the Cox proportional hazards model stratified by Stage provided at randomisation.1 RFS was the primary endpoint. DMFS was a secondary endpoint and data were only available at the 42.3-month and 4.9-year analyses.2.3

Stratified by stage given at randomisation. Staging per AJCC 7th edition. Stage IIIA melanoma according to the AJCC 8th edition identifies a patient population with a better prognosis compared to Stage IIIA according to AJCC 7th edition. 4 AJCC, American Joint Committee on Cancer; CI, confidence interval; HR, hazard ratio; RFS, recurrence-free survival.

1. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214. Supplementary appendix. 2. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214.

3. Eggermont AMM, et al. Lancet Oncol 2021;22:643–654. 4. Keung EZ & Gershenwald JE. Expert Rev Anticancer Ther 2018;18:775–784.



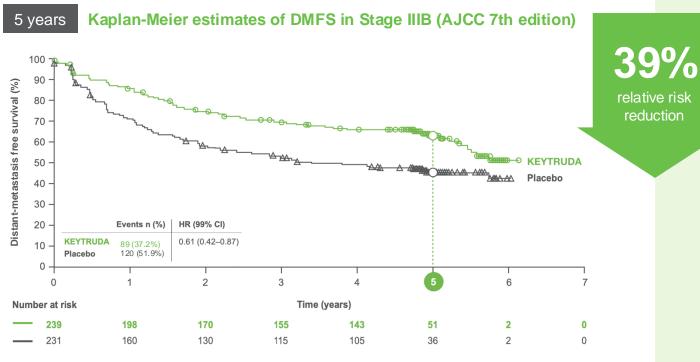
reduction





In Stage IIIB patients, adjuvant KEYTRUDA also showed higher DMFS vs placebo at 5 years¹

Median follow-up: 4.9 years. Exploratory subgroup analysis was pre-specified but not statistically powered for comparison.



> In patients with Stage IIIB melanoma, KEYTRUDA demonstrated a 39% relative risk reduction in distant metastasis versus placebo¹

Patients with events: 37.2% (n=89/239) vs 51.9% (n=120/231)

- HR: 0.61; 99% CI: 0.42-0.87*

After 5 years, DMFS in patients with Stage IIIA, IIIB and IIIC melanoma was higher for **KEYTRUDA** adjuvant therapy vs placebo, consistent with the ITT population¹

View DMFS in Stage IIIC

Return to DMFS by **AJCC** classification

Adapted from Eggermont AMM, et al. N Eng J Med Evid 2022. Supplementary appendix.1

Data cut-off: 17 January 2022.2 *The HR and its CI were estimated using the Cox proportional hazards model stratified by Stage provided at randomisation.1 RFS was the primary endpoint. DMFS was a secondary endpoint and data were only available at the 42.3-month and 4.9-year analyses.^{2,3} Stratified by stage given at randomisation. Staging per AJCC 7th edition.

AJCC, American Joint Committee on Cancer; CI, confidence interval; DMFS, distant metastasis-free survival; HR, hazard ratio; RFS, recurrence-free survival.

1. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214. Supplementary appendix. 2. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214.

3. Eggermont AMM. et al. Lancet Oncol 2021:22:643-654.

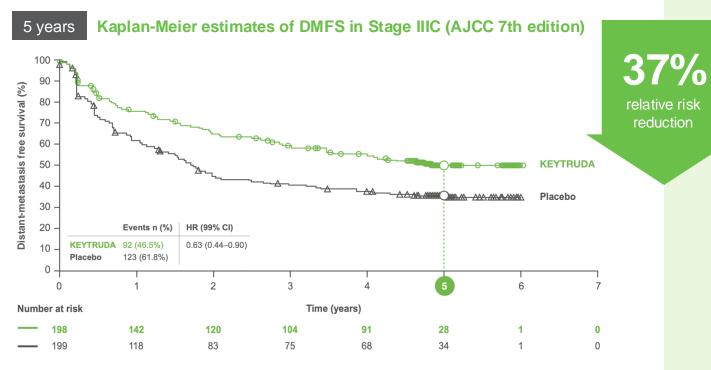






In Stage IIIC patients, adjuvant KEYTRUDA also showed higher DMFS vs placebo after 5 years¹

Median follow-up: 4.9 years. Exploratory subgroup analysis was pre-specified but not statistically powered for comparison.²



In patients with Stage IIIC melanoma, KEYTRUDA demonstrated a 37% relative risk reduction in distant metastasis versus placebo¹

Patients with events: 46.5% (n=92/198)
 vs 61.8% (n=123/199)

- HR: 0.63: 99% CI: 0.44-0.90*

After 5 years, DMFS in patients with Stage IIIA, IIIB and IIIC melanoma was higher for KEYTRUDA adjuvant therapy vs placebo, consistent with the ITT population¹

Return to DMFS by AJCC classification

Adapted from Eggermont AMM, et al. N Eng J Med Evid 2022. Supplementary appendix.¹

Data cut-off: 17 January 2022.²*The HR and its CI were estimated using the Cox proportional hazards model stratified by Stage provided at randomisation.² RFS was the primary endpoint. DMFS was a secondary endpoint and data were only available at the 42.3-month and 4.9-year analyses.^{2,3} Stratified by stage given at randomisation. Staging per AJCC 7th edition.

AJCC, American Joint Committee on Cancer; CI, confidence interval; DMFS, distant metastasis-free survival; HR, hazard ratio; RFS, recurrence-free survival.

1. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214. Supplementary appendix. 2. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214.

3. Eggermont AMM. *et al. Lancet Oncol* 2021:22:643–654.





KEYTRUDA showed consistent **DMFS** across *BRAF* mutation status after 5 years¹

		KEYTRUDA (n/N)	Placebo (n/N)	HR (99% CI)*		
Lymph node involvement	Microscopic	68/185	70/160	0.74 (0.48–1.14)		
	Macroscopic	133/329	199/345	0.59 (0.44-0.79)	-	-
	No	91/230	123/251	0.73 (0.51–1.04)	_	
Ulceration	Yes	92/208	116/197	0.60 (0.42-0.86)	-	_
	Not reported	18/76	30/57	0.37 (0.17–0.79)		_
	Wild type	98/234	111/215	0.72 (0.50–1.02)	-	-
BRAF mutation status	BRAF-V600E or BRAF-V600K mutation	86/209	130/231	0.60 (0.42–0.85)	_	_
	Other or not reported	17/71	28/59	0.45 (0.20–0.99)	-	
		201/514	269/505	0.62 (0.52–0.75)	0.25 0.50	1.00
					Favours KEYTRU	DA

Median follow-up: 4.9 years. Exploratory subgroup analysis was pre-specified but not statistically powered for comparison

View DMFS data in BRAF-V600E/K

View DMFS data in BRAF-WT

Return to DMFS data at 5 years

Adapted from Eggermont AMM, et al. N Eng J Med Evid 2022. Supplementary appendix.1

Data cut-off: 17 January 2022.2

RFS was the primary endpoint. DMFS was a secondary endpoint and data were only available at the 42.3-month and 4.9-year analyses.^{2,3}

*The overall HR is given with 95% Cl. Cl, confidence interval; DMFS, distant metastasis-free survival; HR, hazard ratio; ITT, intent-to-treat; RFS, recurrence-free survival.

1. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214. Supplementary appendix. 2. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214.

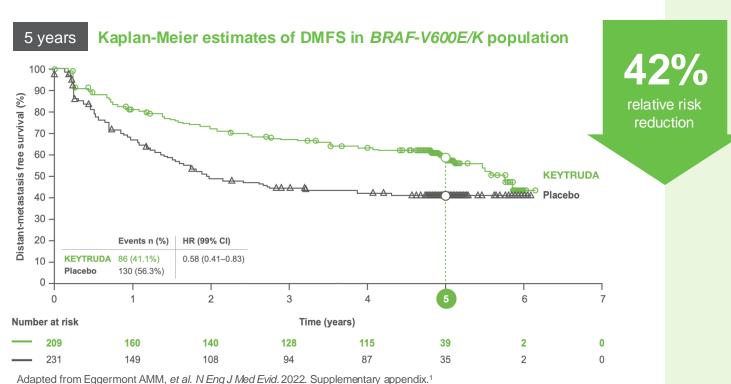
3. Eggermont AMM, et al. Lancet Oncol 2021;22:643-654.





In patients with *BRAF-V600E/K*, adjuvant KEYTRUDA showed improved DMFS vs placebo after 5 years¹

Median follow-up: 4.9 years. Exploratory subgroup analysis was pre-specified but not statistically powered for comparison.



- In patients with BRAF-V600E/K, KEYTRUDA demonstrated a 42% relative risk reduction in distant metastasis versus placebo²
 - Patients with events: 41.1% (n=86/209) vs 56.3% (n=130/231)
 - HR: 0.58; 99% CI: 0.41-0.83*

After 5 years, the *BRAF-V600E/K* mutation and *BRAF*-WT subgroups showed higher DMFS with adjuvant KEYTRUDA versus placebo, consistent with the ITT population^{1,2}

Return to DMFS data by BRAF status

Data cut-off: 17 January 2022.2

RFS was the primary endpoint. DMFS was a secondary endpoint and data were only available at the 42.3-month and 4.9-year analyses.^{2,3}

*The overall HR is given with 95% CI. CI, confidence interval; DMFS, distant metastasis-free survival; HR, hazard ratio; ITT, intent-to-treat; RFS, recurrence-free survival; WT, wild-type.

1. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214. Supplementary appendix. 2. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214.

3. Eggermont AMM, *et al. Lancet Oncol* 2021;22:643–654.

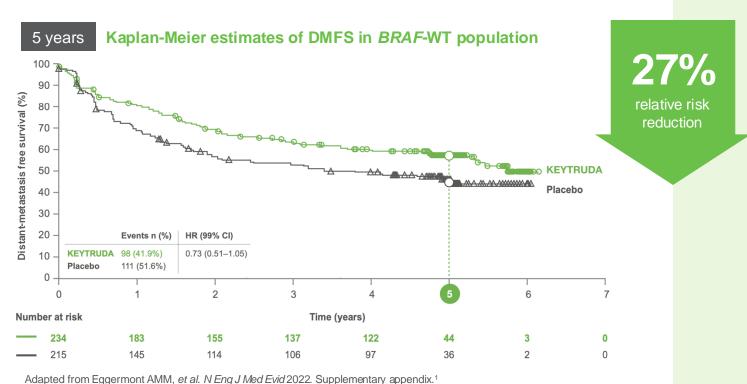






In patients with BRAF-WT, adjuvant KEYTRUDA showed improved DMFS vs placebo after 5 years¹

Median follow-up: 4.9 years. Exploratory subgroup analysis was pre-specified but not statistically powered for comparison.



- > In patients with BRAF-WT, KEYTRUDA demonstrated a 27% relative risk reduction in distant metastasis versus placebo²
 - Patients with events: 41.9% (n=98/234) vs 51.6% (n=111/215)
 - HR: 0.73; 99% CI: 0.51–1.05*

After 5 years, the BRAF-V600E/K mutation and BRAF-WT subgroups showed higher DMFS with adjuvant KEYTRUDA versus placebo, consistent with the ITT population^{1,2}

Return to DMFS data by BRAF status

Data cut-off: 17 January 2022.2

RFS was the primary endpoint. DMFS was a secondary endpoint and data were only available at the 42.3-month and 4.9-year analyses.^{2,3}

*The overall HR is given with 95% CI. CI, confidence interval; DMFS, distant metastasis-free survival; HR, hazard ratio; ITT, intent-to-treat; RFS, recurrence-free survival; WT, wild-type.

1. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214. Supplementary appendix; 2. Eggermont AMM, et al. N Engl J Med Evid 2022;22:1:EVIDoa2200214;

3. Eggermont AMM. et al. Lancet Oncol 2021:22:643-654.

