

## MSD Oncology

# KEYNOTE-024: KEYTRUDA® (pembrolizumab) vs. chemotherapy for PD-L1 TPS $\geq 50\%$ non-small cell lung cancer

KEYTRUDA® is the first  
immunotherapy to present  
5-year data in three 1<sup>st</sup> line  
metastatic NSCLC indications  
licensed in the UK<sup>1–5</sup>

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1. Garassino MC et al. J Clin Oncol 2023;41:1992–1998; 2. Novello S et al. J Clin Oncol 2023;41:1999–2006; 3. Reck M et al. J Clin Oncol 2021;39:2339–2349; 4. Jassem J, et al. J Thorac Oncol. 2021;16(11):1872–1882; 5. KEYTRUDA (pembrolizumab) Summary of Product Characteristics. Available from: <http://www.emcpi.com/pi/33162>.

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**KEYTRUDA®**  
(pembrolizumab)





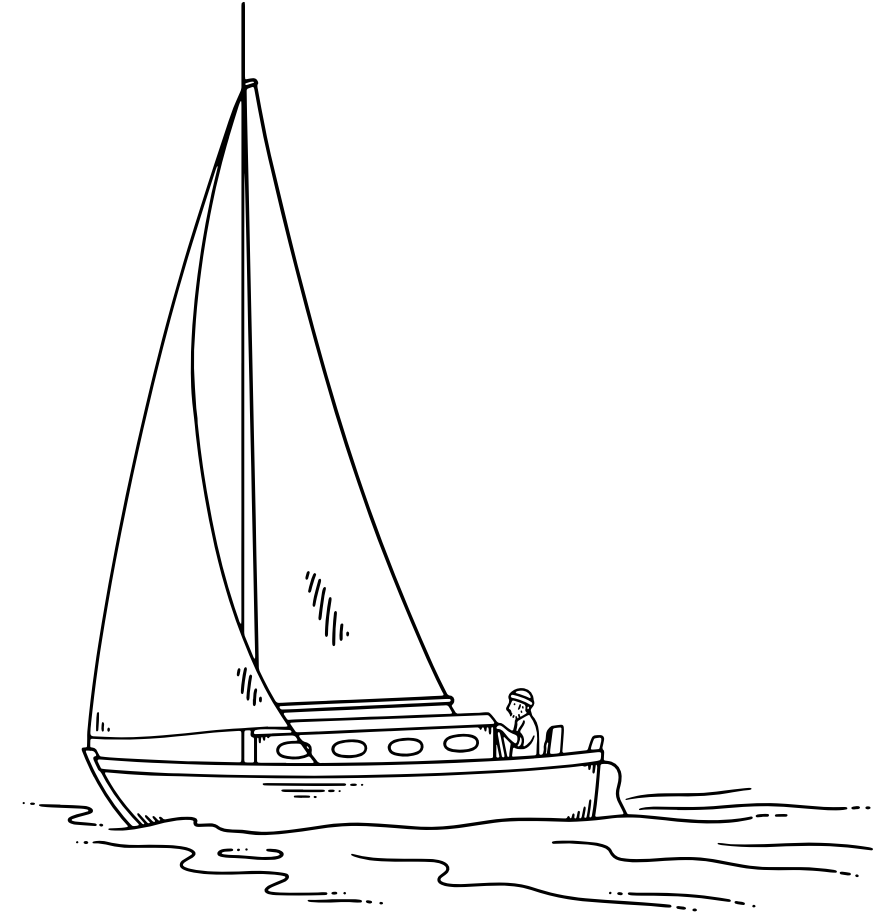
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### Abbreviations

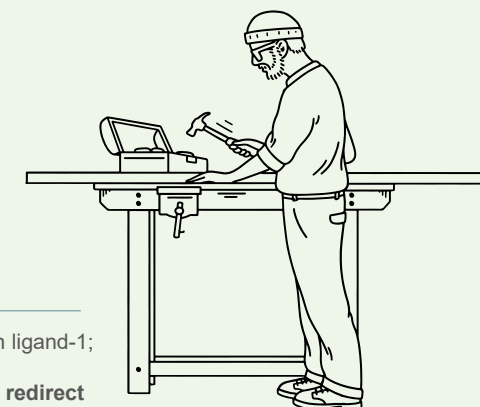
**Definitions of all abbreviations used in this deck can be found at the end of the presentation**





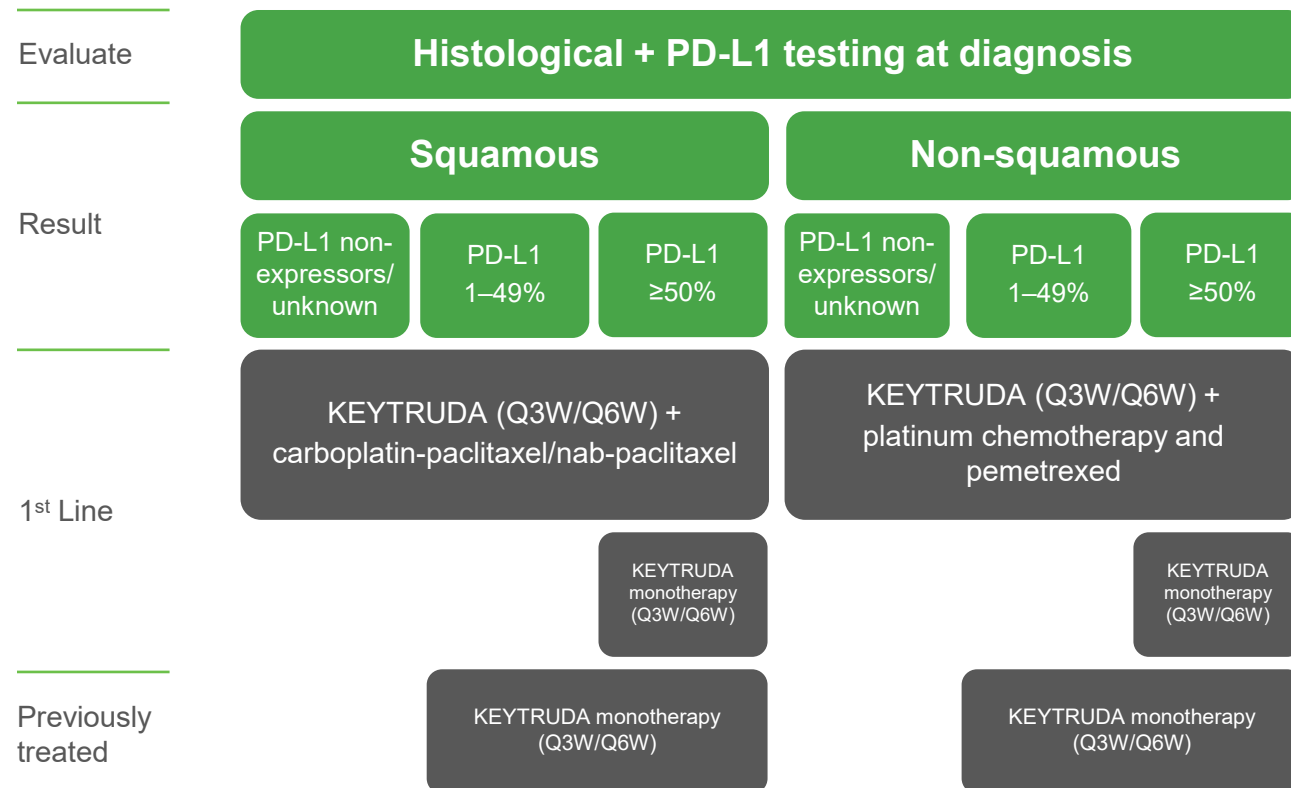
# KEYTRUDA<sup>®</sup> (pembrolizumab) advanced NSCLC indications<sup>1</sup>

- KEYTRUDA as monotherapy is indicated for the first-line treatment of metastatic non-small cell lung carcinoma in adults whose tumours express PD-L1 with a  $\geq 50\%$  TPS with no *EGFR*- or *ALK*-positive tumour mutations
- KEYTRUDA, in combination with pemetrexed and platinum chemotherapy, is indicated for the first-line treatment of metastatic non-squamous non-small cell lung carcinoma in adults whose tumours have no *EGFR*- or *ALK*-positive mutations
- KEYTRUDA, in combination with carboplatin and either paclitaxel or nab-paclitaxel, is indicated for the first-line treatment of metastatic squamous non-small cell lung carcinoma in adults
- KEYTRUDA as monotherapy is indicated for the treatment of locally advanced or metastatic non-small cell lung carcinoma in adults whose tumours express PD-L1 with a  $\geq 1\%$  TPS and who have received at least one prior chemotherapy regimen. Patients with *EGFR*- or *ALK*-positive tumour mutations should also have received targeted therapy before receiving KEYTRUDA
- The recommended dose of KEYTRUDA in adults is either 200 mg every 3 weeks or 400 mg every 6 weeks administered as an intravenous infusion over 30 minutes
- Refer to the Summary of Product Characteristics and Risk Minimisation materials available on the EMC website before prescribing in order to help reduce the risks associated with KEYTRUDA





# KEYTRUDA licensed indications: Helping transform treatment expectations for patients with metastatic NSCLC<sup>1</sup>



The recommended dose of KEYTRUDA in adults is either 200 mg every 3 weeks or 400 mg every 6 weeks administered as an infusion over 30 minutes





## KEYNOTE-024: Definition of analyses

Analysis	Cut-off date	Slide symbol	Median follow up (range), months
Interim analysis 1 (1-year)	9 May 2016	①	11.2 (6.3–19.7) <sup>1</sup>
Interim analysis 2 (2-year)	10 July 2017	②	25.2 (20.4–33.7) <sup>2</sup>
Updated analysis (5-year)	1 June 2020	③	59.9 (55.1–68.4) <sup>3</sup>



# KEYNOTE-024:

KEYTRUDA (pembrolizumab) vs.  
chemotherapy for PD-L1-positive  
non-small cell lung cancer<sup>1,2</sup>



1. Reck M *et al.* *N Engl J Med* 2016;375:1823–1833 (and supplementary appendix).  
2. Reck M *et al.* *J Clin Oncol.* 2021;39(21):2339–2349.



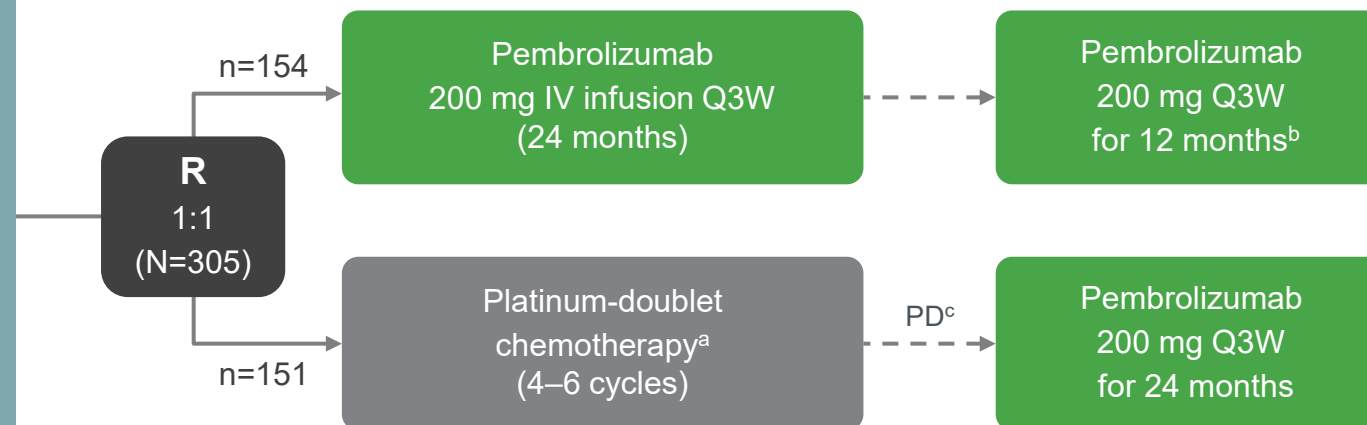
## KEYNOTE-024: Study design<sup>1,2</sup>

### Patients

- Untreated stage IV NSCLC
- PD-L1 TPS ≥50%
- ECOG PS 0–1
- No sensitising *EGFR* mutation or *ALK* translocation
- No untreated brain metastases
- No active autoimmune disease requiring systemic therapy
- No active immune ILD or pneumonitis requiring systemic therapy

### Key endpoints:

- Primary: PFS (RECIST v1.1 per blinded, independent central review)
- Secondary: OS, ORR, safety
- Exploratory: DOR



Adapted from: Reck M et al. *N Engl J Med* 2016.

<sup>a</sup>Investigator's choice of chemotherapy, <sup>b</sup>Patients randomised to pembrolizumab who completed 2 years of therapy or who stopped pembrolizumab after achieving CR and then had PD were eligible for a second course of pembrolizumab monotherapy. <sup>c</sup>To be eligible for crossover, PD had to be confirmed by blinded, independent central radiology review and all safety criteria had to be met. *ALK*, anaplastic lymphoma kinase; CR, complete response; DOR, duration of response; ECOG PS, Eastern Co-operative Oncology Group Performance Status; *EGFR*, epidermal growth factor receptor; ILD, interstitial lung disease; IV, intravenous; NSCLC, non-small cell lung cancer; ORR, objective response rate; OS, overall survival; PD, progressive disease; PD-L1, programmed death ligand-1; PFS, progression-free survival; R, randomised; RECIST v1.1, Response Evaluation Criteria In Solid Tumors Version 1.1; Q3W, every 3 weeks; TPS, tumour proportion score.

1. Reck M et al. *N Engl J Med* 2016;375:1823–1833 (and supplementary appendix); 2. Reck M et al. *J Clin Oncol*. 2021;39(21):2339–2349.



## KEYNOTE-024: Investigator's choice of platinum-doublet chemotherapy<sup>a,1</sup>



Adapted from: Reck M et al. *N Engl J Med* 2016 (and supplementary appendix).





# KEYNOTE-024: Assessments and treatments<sup>1</sup>

## Assessments:<sup>a</sup>

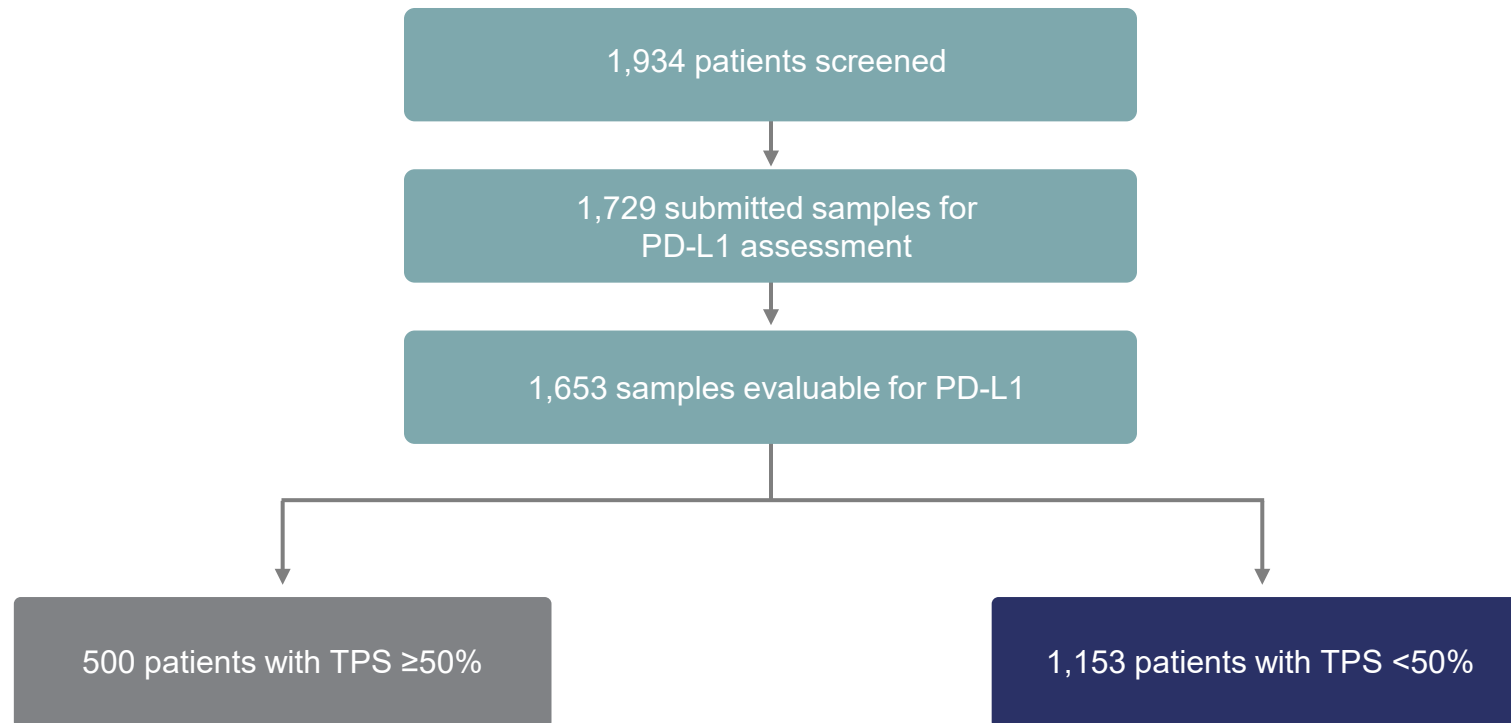
- PD-L1 expression was assessed centrally in core needle or excisional biopsies, or in resected tissue, using the Dako 22C3 platform
- Tumour imaging: scheduled every 9 weeks
- Response: RECIST v1.1 by blinded, independent, central radiologic review

**Treatment:** patients with radiological PD could continue treatment if clinically stable





## KEYNOTE-024: PD-L1 screening<sup>1</sup>

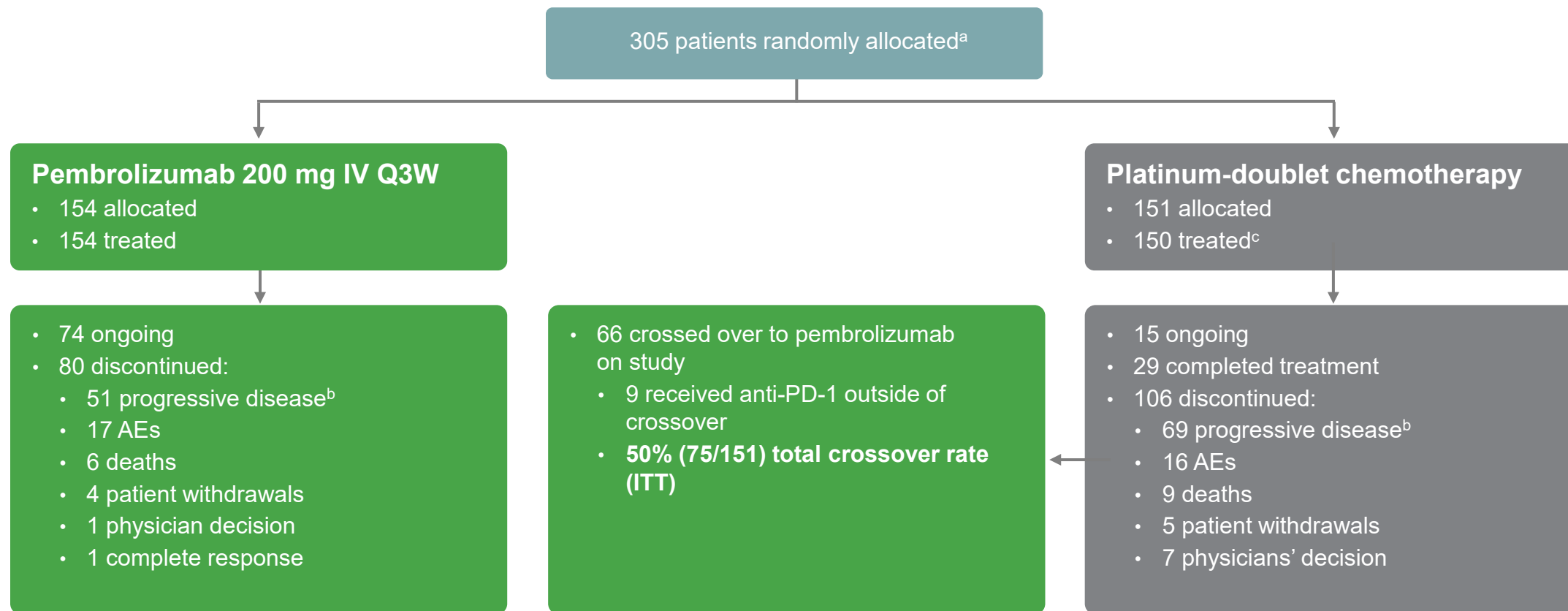


Adapted from: Reck M et al. *N Engl J Med* 2016.



# KEYNOTE-024: Interim analysis 1 – Patient disposition<sup>1,2</sup>

Median follow up: 11.2 months

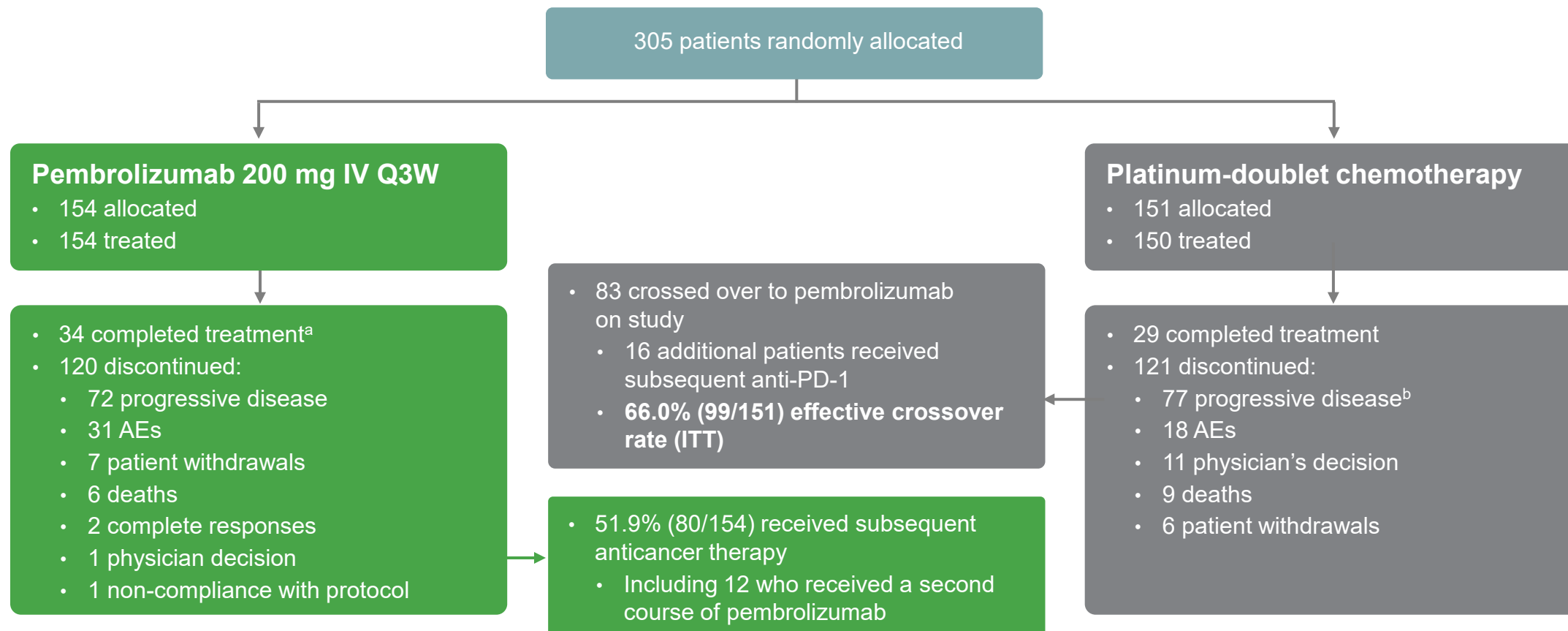


Adapted from: Reck M et al. *N Engl J Med*, 2016 (and supplementary appendix) and Reck M et al. *ESMO* 2016.



# KEYNOTE-024: Updated analysis – Patient disposition<sup>1</sup>

Median follow up: 59.9 months



Adapted from: Reck M et al. J Clin Oncol. 2021.



# KEYNOTE-024: Updated analysis – Selected baseline characteristics<sup>1</sup>

Median follow up: 59.9 months

Characteristic, n (%) <sup>a</sup>	Pembrolizumab 200 mg Q3W (n=154)	Chemotherapy (n=151)	35 cycles (2 years) of pembrolizumab (n=39) <sup>c</sup>	Second course of pembrolizumab (n=12) <sup>d</sup>
Age, median (range), years	64.5 (33–90)	66.0 (38–85)	61.0 (43–80)	60.0 (43–77)
Male	92 (59.7)	95 (62.9)	25 (64.1)	8 (66.7)
ECOG PS 1	99 (64.3)	98 (64.9)	23 (59.0)	9 (75.0)
Enrolled in East Asia	21 (13.6)	19 (12.6)	8 (20.5)	3 (25.0)
Squamous histology	29 (18.8)	27 (17.9) <sup>b</sup>	2 (5.1)	1 (8.3)
Current/former smoker	149 (96.8)	132 (87.4)	37 (94.9)	12 (100.0)
Treated brain metastases	18 (11.7)	10 (6.6)	9 (23.1)	1 (8.3)
Prior neoadjuvant therapy	3 (1.9)	1 (0.7)	0	0
Prior adjuvant therapy	6 (3.9)	3 (2.0)	0	0

Adapted from: Reck M et al. J Clin Oncol. 2021.

<sup>a</sup>Unless otherwise stated. <sup>b</sup>Includes patients with squamous cell carcinoma and poorly differentiated squamous cell carcinoma. <sup>c</sup>Only includes patients who were initially allocated to pembrolizumab who received 35 cycles of pembrolizumab according to actual exposure assessment. <sup>d</sup>Only includes patients initially allocated to pembrolizumab who received a second course of pembrolizumab therapy according to actual exposure assessment.

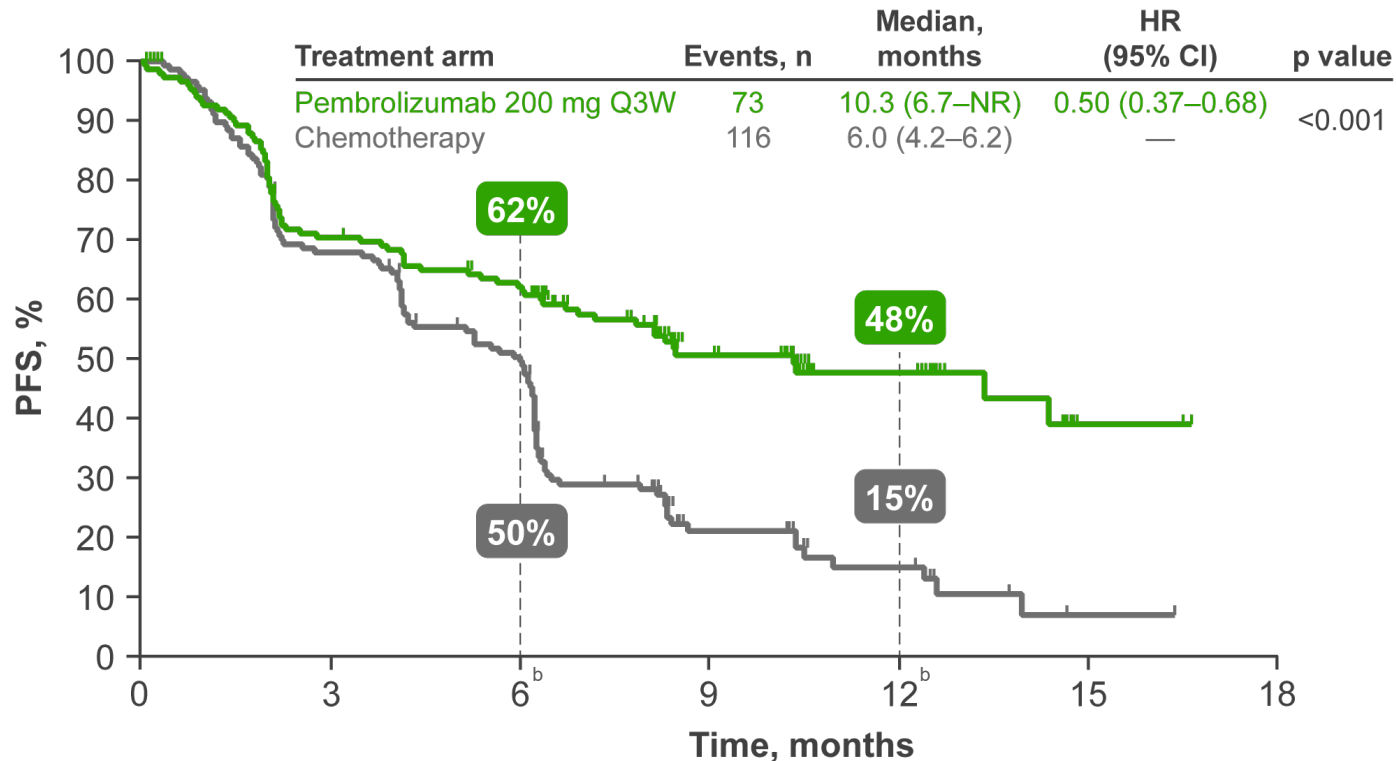
ECOG PS, Eastern Cooperative Oncology Group Performance Status; Q3W, every 3 weeks.

1. Reck M et al. J Clin Oncol. 2021;39(21):2339–2349.



## KEYNOTE-024: Interim analysis 1 – 1-year landmark PFS<sup>a,1,2</sup>

Median follow up: 11.2 months



KEYTRUDA monotherapy demonstrated a **superior PFS benefit** vs. platinum-based chemotherapy with a 50% reduced risk of progression or death (HR 0.50, P<0.001)<sup>1,2</sup>

No. at risk

Pembrolizumab 200 mg Q3W	154	104	89	44	22	3	1
Chemotherapy	151	99	70	18	9	1	0

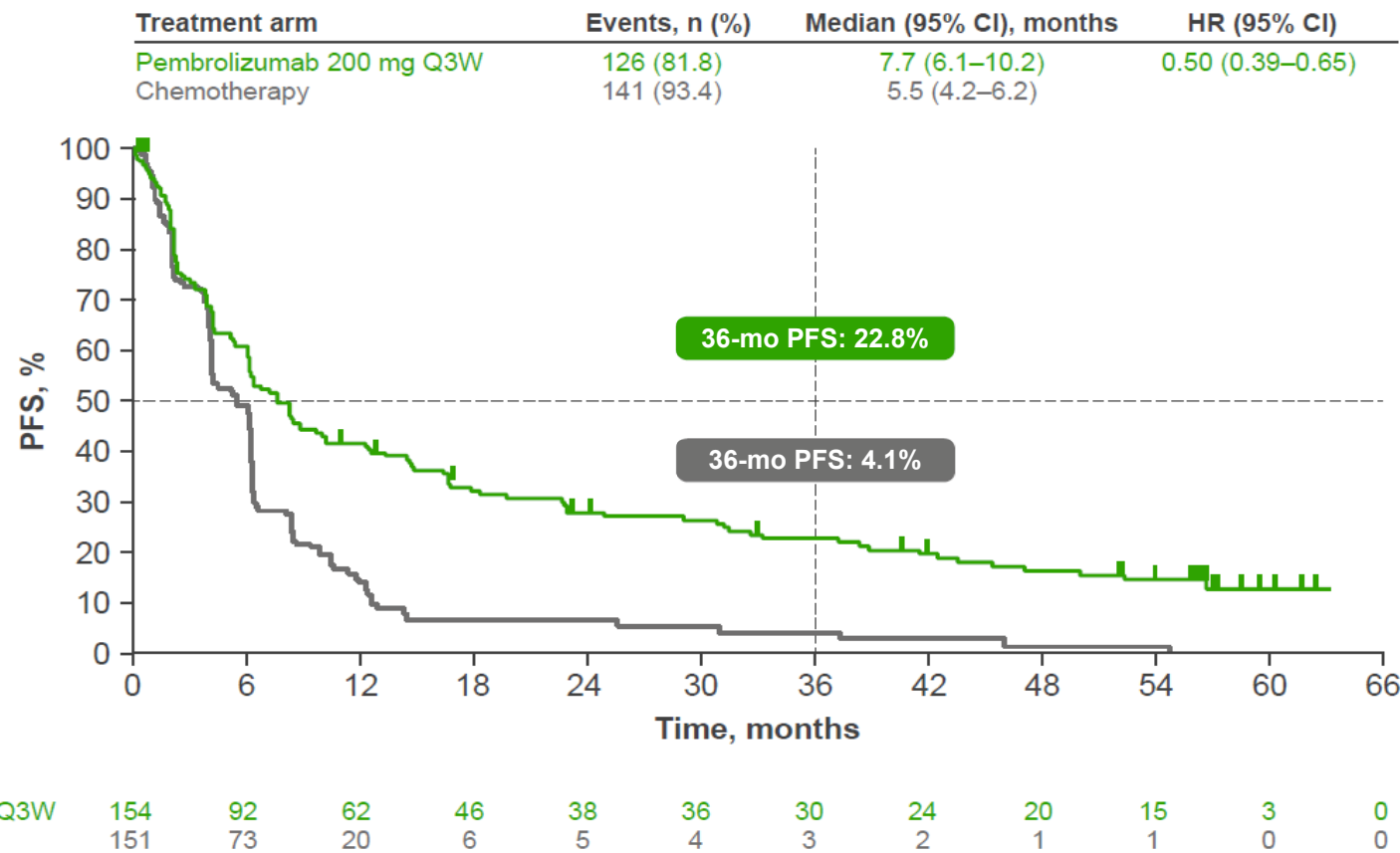
Adapted from: Reck M et al. ESMO 2016 and Reck M et al. N Engl J Med, 2016.





# KEYNOTE-024: Updated analysis – 5-year median PFS<sup>a,b,1</sup>

Median follow up: 59.9 months



No statistical conclusions can be drawn from exploratory analyses

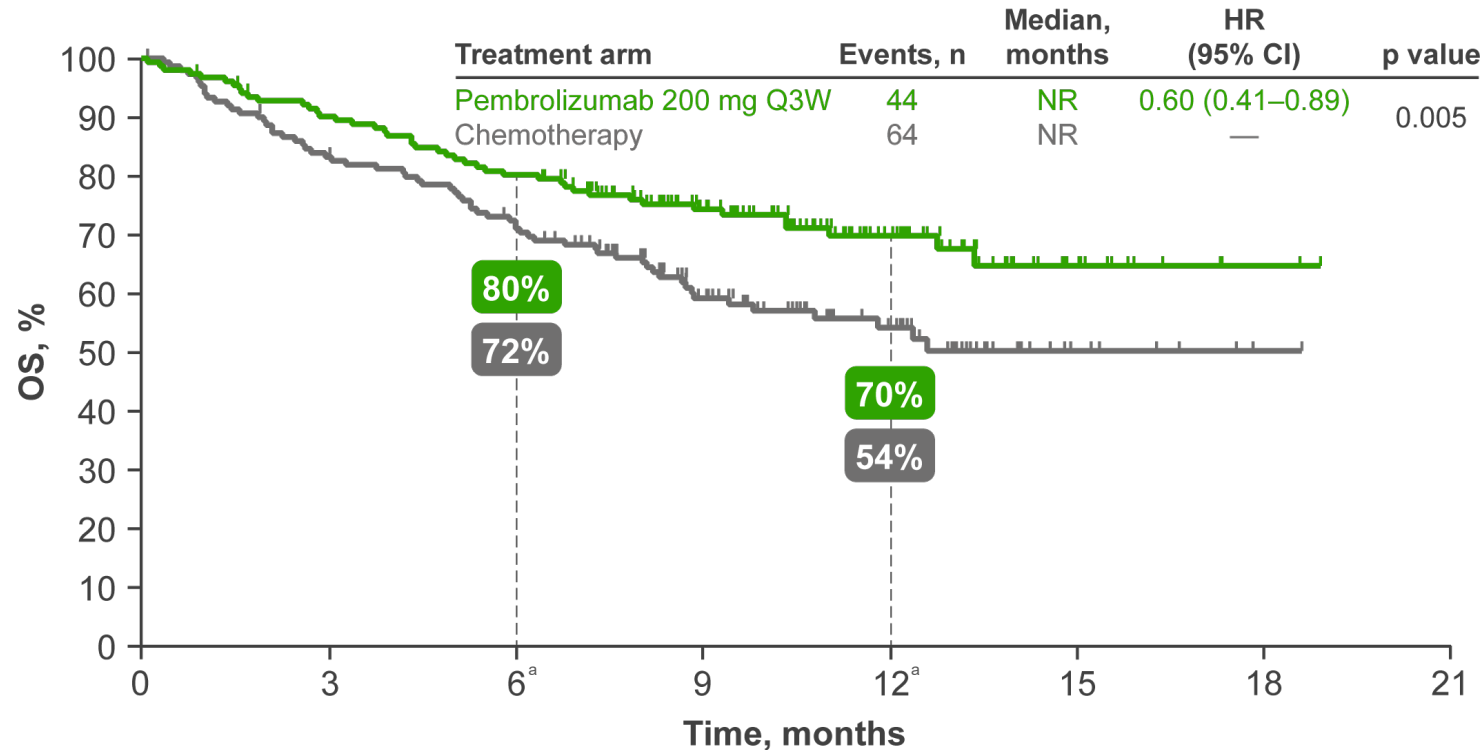
Statistical significance was met for primary and secondary endpoints in interim analysis 1 (2016)

Adapted from: Reck M et al. J Clin Oncol. 2021.



# KEYNOTE-024: Interim analysis 1 – 1-year landmark OS<sup>1,2</sup>

Median follow up: 11.2 months



KEYTRUDA monotherapy demonstrated a **superior OS benefit** vs. platinum-based chemotherapy with a 40% reduced risk of death (HR 0.60, P=0.005)<sup>2</sup>

DSMC recommended stopping the trial because of superior efficacy observed with pembrolizumab vs. chemotherapy<sup>1</sup>

No. at risk

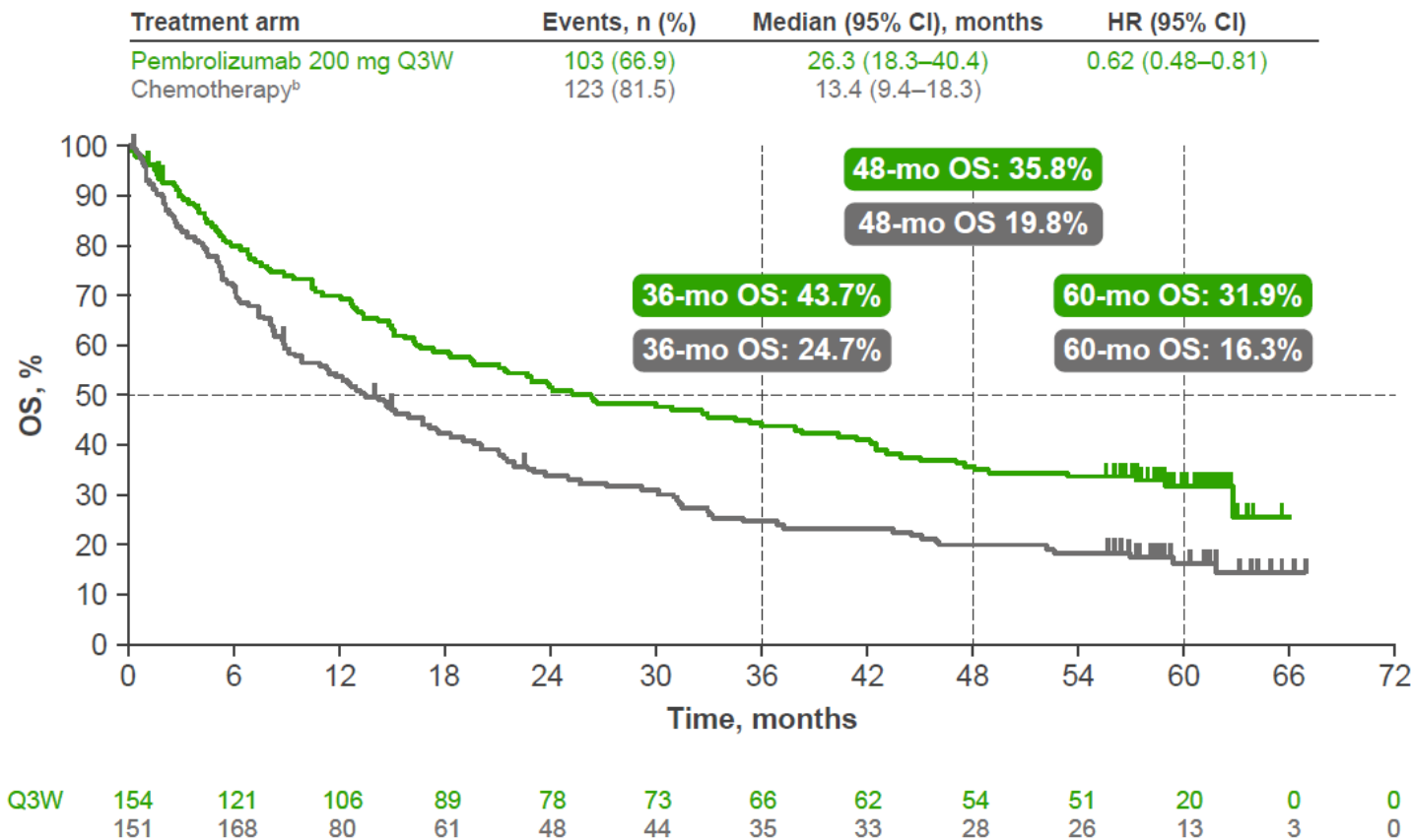
Pembrolizumab 200 mg Q3W	154	136	121	82	39	11	2	0
Chemotherapy	151	123	106	64	34	7	1	0

Adapted from: Reck M et al. ESMO 2016 and Reck M et al. N Engl J Med 2016.



# KEYNOTE-024: Updated analysis – 5-year median OS<sup>a,1</sup>

Median follow up: 59.9 months



No statistical conclusions can be drawn from exploratory analyses

Statistical significance was met for primary and secondary endpoints in interim analysis 1 (2016)

5-year OS rate numerically doubled with KEYTRUDA: 31.9% vs. 16.3% with chemotherapy (with a 66% effective crossover rate)

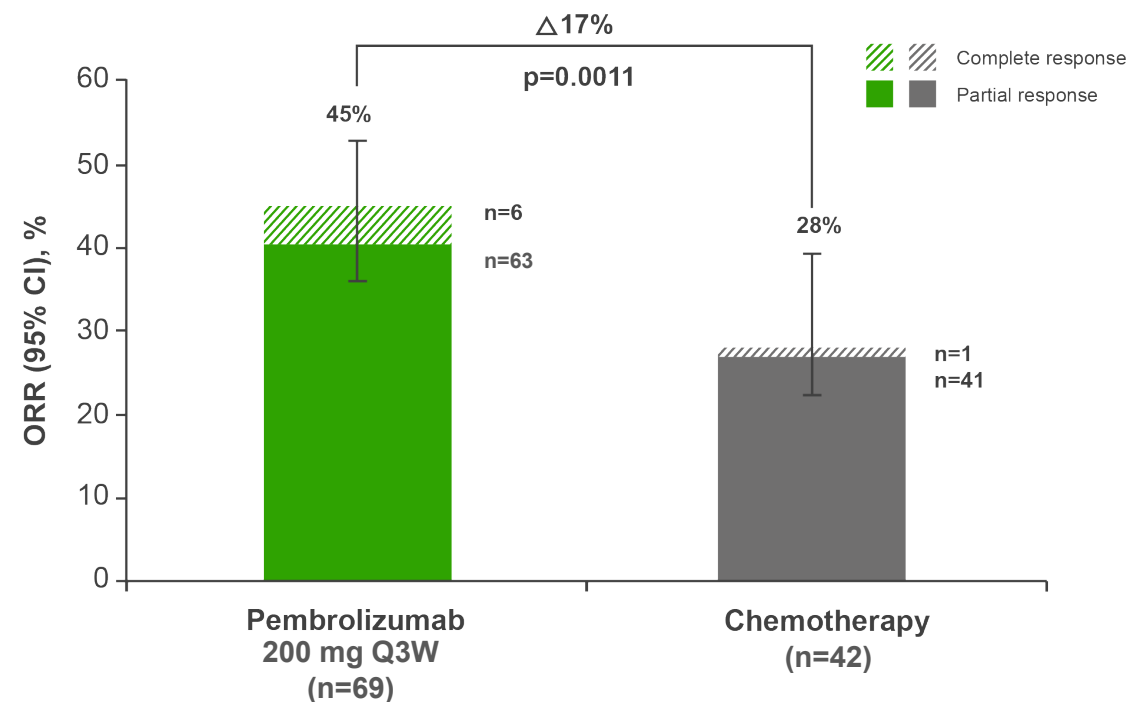
Median OS was numerically more than 1 year longer in the KEYTRUDA group (26.3 months, 95% CI: 18.3 to 40.4) than in the chemotherapy group (13.4 months, 95% CI: 9.4 to 18.3) HR, 0.62; 95% CI, 0.48 to 0.81

Adapted from: Reck M et al. J Clin Oncol. 2021.



# KEYNOTE-024: Interim analysis 1 – Summary of responses<sup>a,1,2</sup>

Median follow up: 11.2 months



	Pembrolizumab 200 mg Q3W responders (n=69)	Chemotherapy responders (n=42)
TTR, median (range), months	2.2 (1.4–8.2)	2.2 (1.8–12.2)
DOR, <sup>b</sup> median (range), months	NR (1.9+–14.5+)	6.3 (2.1+–12.6+)

Adapted from: Reck M *et al.* ESMO 2016 and Reck M *et al.* N Engl J Med 2016.

<sup>a</sup>Assessed per RECIST v1.1 by blinded, independent central review. <sup>b</sup>+ denotes a response that was ongoing at the data cut-off.

CI, confidence interval; CR, complete response; DOR, duration of response; NR, not reached; ORR, objective response rate; PR, partial response; Q3W, every 3 weeks; RECIST v1.1, Response Evaluation Criteria in Solid Tumors Version 1.1; TTR, time to response.

1. Reck M *et al.* Presented at the European Society for Medical Oncology (ESMO) 2016 Congress, 7–11 October, 2016, Copenhagen, Denmark; 2. Reck M *et al.* N Engl J Med 2016;375:1823–1833 (and supplementary appendix).



## KEYNOTE-024: Updated analysis – Summary of responses<sup>a,1</sup>

Median follow up: 59.9 months

No statistical conclusions can be drawn from exploratory analyses

Statistical significance was met for primary and secondary endpoints in interim analysis 1 (2016)

	Pembrolizumab 200 mg Q3W (n=154)	Chemotherapy (n=151)
OR, n (%)	71 (46.1)	47 (31.1)
Best OR, n (%)		
CR	7 (4.5)	0
PR	64 (41.6)	47 (31.1)
SD	37 (24.0)	60 (39.7)
PD	35 (22.7)	25 (16.6)
NE	0	1 (0.7)
NA	11 (7.1)	18 (11.9)
Median time to response, mo (range)	2.1 (1.4–14.6)	2.1 (1.1–12.2)
DOR, median, mo (range)	29.1 (2.2–60.8+) <sup>b</sup>	6.3 (3.1–52.4)

Adapted from: Reck M et al. *J Clin Oncol.* 2021.

<sup>a</sup>Assessed by RECIST v1.1 by investigator review. <sup>b</sup> "+" indicates response duration is censored.

CI, confidence interval; CR, complete response; DOR, duration of response; mo, month; NA, no assessment; NE, not evaluable; OR, objective response; PD, progressive disease; PR, partial response; Q3W, every 3 weeks; RECIST v1.1, Response Evaluation Criteria in Solid Tumors Version 1.1; SD, stable disease.

1. Reck M et al. *J Clin Oncol.* 2021;39(21):2339–2349.



# KEYNOTE-024: Updated analysis – Best OR after second course of pembrolizumab<sup>1</sup>

Median follow up: 59.9 months

No statistical conclusions can be drawn from exploratory analyses

	Pembrolizumab 200 mg Q3W (n=12)
Alive at data cut-off, n (%)	8 (66.7)
OR during second course, n (%)	4 (33.3)
Best OR, n (%)	
CR	0
PR	4 (33.3)
SD	6 (50.0)
PD	1 (8.3)
Not evaluable	1 (8.3)

At data cut-off, **5/12 patients (41.7%)** were alive without PD per investigator assessment

3 patients (25.0%) did not receive subsequent therapy





# KEYNOTE-024: Updated analysis – Best OR after 35 cycles (2-years) of pembrolizumab<sup>1</sup>

Median follow up: 59.9 months

No statistical conclusions can be drawn from exploratory analyses

	Pembrolizumab 200 mg Q3W (n=39)
3-year OS rate from completion of pembrolizumab, %	81.4
OR, n (%)	32 (82.1)
Best OR, n (%)	
CR	4 (10.3)
PR	28 (71.8)
SD	6 (15.4)
PD	1 (2.6)

At data cut-off, **18/39 patients (46.2%)** were alive without PD or subsequent therapy for NSCLC per investigator assessment

1 patient developed a secondary malignancy and was treated accordingly



## KEYNOTE-024: Interim analysis 2 – AE summary<sup>a,1,2</sup>

Median follow up: 25.2 months

No statistical conclusions can be drawn from exploratory analyses

	Pembrolizumab 200 mg Q3W (n=154)	Chemotherapy (n=150)
Median (range) duration of initially assigned treatment	7.9 (0.03–28.8)	3.5 (0.03–30.5)
Treatment-related AEs, n (%)	118 (76.6)	135 (90.0)
Grade 3–5	48 (31.2)	80 (53.3)
Serious	35 (22.7)	31 (20.7)
Led to discontinuation	21 (13.6)	16 (10.7)
Led to death	2 (1.3)	3 (2.0)
Immune-mediated AEs, <sup>b</sup> n (%)	52 (33.8)	8 (5.3)
Grade 3–5	21 (13.6)	1 (0.7)
Led to death	1 (0.6)	0

Adapted from: Brahmer JR et al. IASLC 2017 and Reck M et al. J Clin Oncol 2019.

**KEYTRUDA monotherapy had fewer grade 3–5 treatment-related AEs, but a higher frequency of grade 3–5 immune-mediated AEs and infusion reactions, vs. chemotherapy<sup>2</sup>**



## KEYNOTE-024: Updated analysis – AE summary<sup>a,1</sup>

Median follow up: 59.9 months

No statistical conclusions can be drawn from exploratory analyses

	Pembrolizumab 200 mg Q3W (n=154) <sup>a</sup>	Chemotherapy (n=150) <sup>a</sup>	35 cycles (2 years) of pembrolizumab 200 mg Q3W (n=39) <sup>a</sup>
Treatment-related AEs, n (%)	118 (76.6)	135 (90.0)	34 (87.2)
Grade 3–5 <sup>b</sup>	48 (31.2)	80 (53.3)	6 (15.4)
Serious	35 (22.7)	31 (20.7)	4 (10.3)
Led to discontinuation	21 (13.6)	16 (10.7)	0
Led to death	2 (1.3)	3 (2.0)	0
Immune-mediated AEs <sup>c</sup> , n (%)	53 (34.4)	8 (5.3)	12 (30.8)
Grade 3–5	21 (13.6)	1 (0.7)	3 (7.7)
Led to death	1 (0.6)	0	0

Exposure-adjusted AE rates in the ITT population decreased over time in both treatment groups

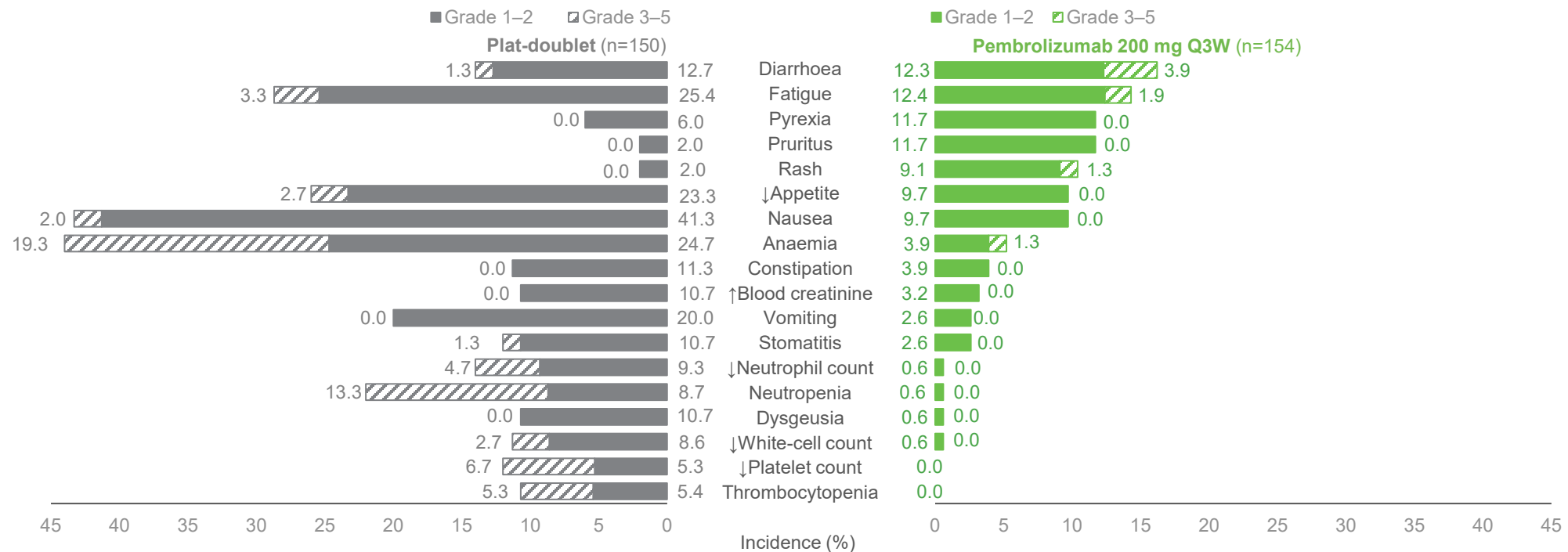
Adapted from: Reck M et al. *J Clin Oncol*. 2021.



# KEYNOTE-024: Interim analysis 2 – TRAEs occurring in ≥10 patients in either treatment arm<sup>a,1,2</sup>

Median follow up: 25.2 months

No statistical conclusions can be drawn from exploratory analyses



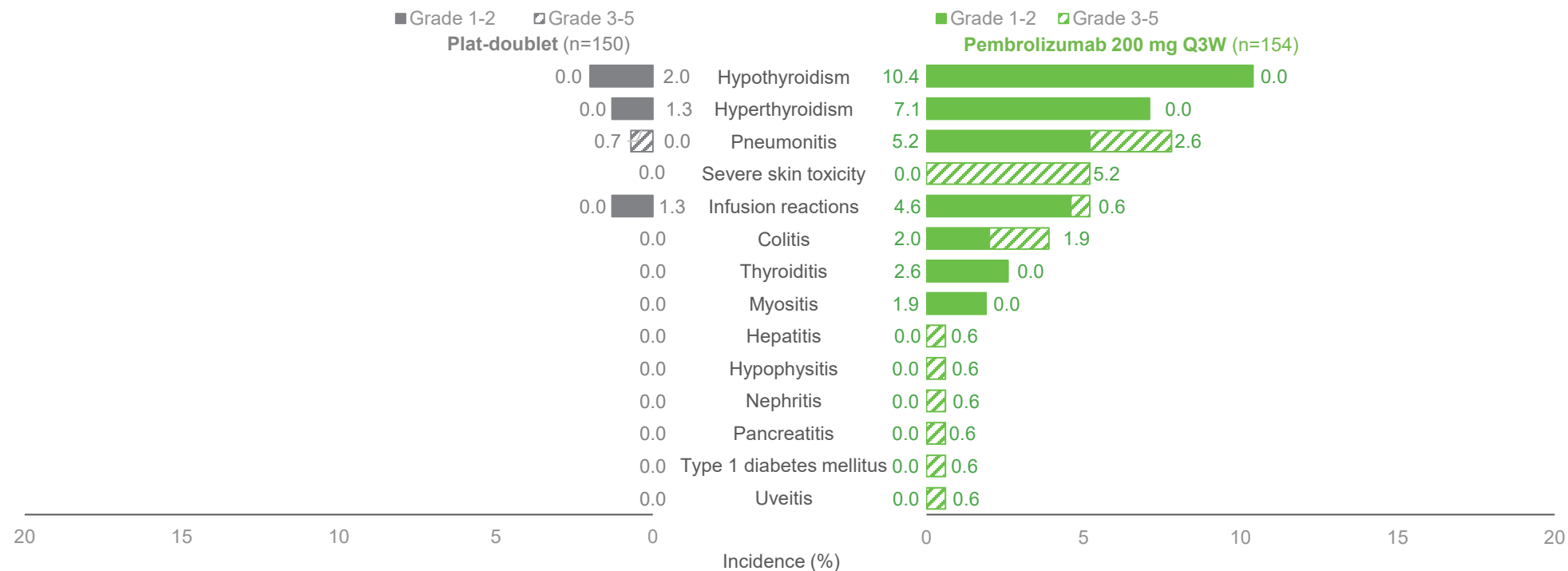
Adapted from: Brahmer JR et al. IASLC 2017 and Reck M et al. J Clin Oncol 2019.



## KEYNOTE-024: Interim analysis 2 – Immune-mediated AEs<sup>a,1,2</sup>

Median follow up: 25.2 months

No statistical conclusions can be drawn from exploratory endpoints



Adapted from: Brahmer JR et al. IASLC 2017; Reck M et al. J Clin Oncol 2019.



# KEYNOTE-024: HRQoL<sup>1</sup> EORTC QLQ-C30 GHS

No statistical conclusions can be drawn from exploratory endpoints

	Pembrolizumab 200 mg Q3W (n=151)	Chemotherapy (n=148)
Mean score at baseline (SDev) n	62.2 (22.3) 145	59.9 (22.3) 137
Mean score at Week 15 (SDev) n	71.0 (21.2) 109	63.7 (20.6) 92
LS mean change from baseline (95% CI) n <sup>a</sup>	6.9 (3.3–10.6) 150	–0.9 (–4.8–3.0) 147
Difference in LS mean (95% CI) p value	7.8 (2.8–12.8) p=0.0020	

Adapted from: Brahmer JR et al. *Lancet Oncol* 2017.

**HRQoL was an exploratory endpoint.**

<sup>a</sup>Based on a cLDA model. For baseline and Week 15, n is the number of patients in each treatment group with non-missing assessments at the specific time point; for change from baseline, n is the number of patients in the analysis population in each treatment group.  
CI, confidence interval; cLDA, constrained longitudinal data analysis; EORTC QLQ-C30, European Organization for Research and Treatment of Cancer Quality of Life Questionnaire Core 30 items; GHS, global health status; HRQoL, health-related quality of life; LS, least squares; n, number of patients; Q3W, every 3 weeks; SDev, standard deviation.  
1. Brahmer JR et al. *Lancet Oncol* 2017;18:1600–1609.





## KEYNOTE-024: HRQoL<sup>1</sup> EORTC QLQ-C30 and QLQ-LC13

No statistical conclusions can be drawn from exploratory endpoints

- The mean change from baseline in EORTC QLQ-C30 GHS/QoL scores improved more over 33 weeks in patients who received pembrolizumab compared with those who received chemotherapy
- In most EORTC QLQ-C30 functioning and symptom domains, changes from baseline to Week 15 were better for patients who received pembrolizumab compared with those who received chemotherapy
- Overall, changes from baseline to Week 15 in EORTC QLQ-LC13 symptom domains were also better for the pembrolizumab group than the chemotherapy group
  - Neuropathy, alopecia and chest pain were nominally significantly different between groups<sup>a</sup>

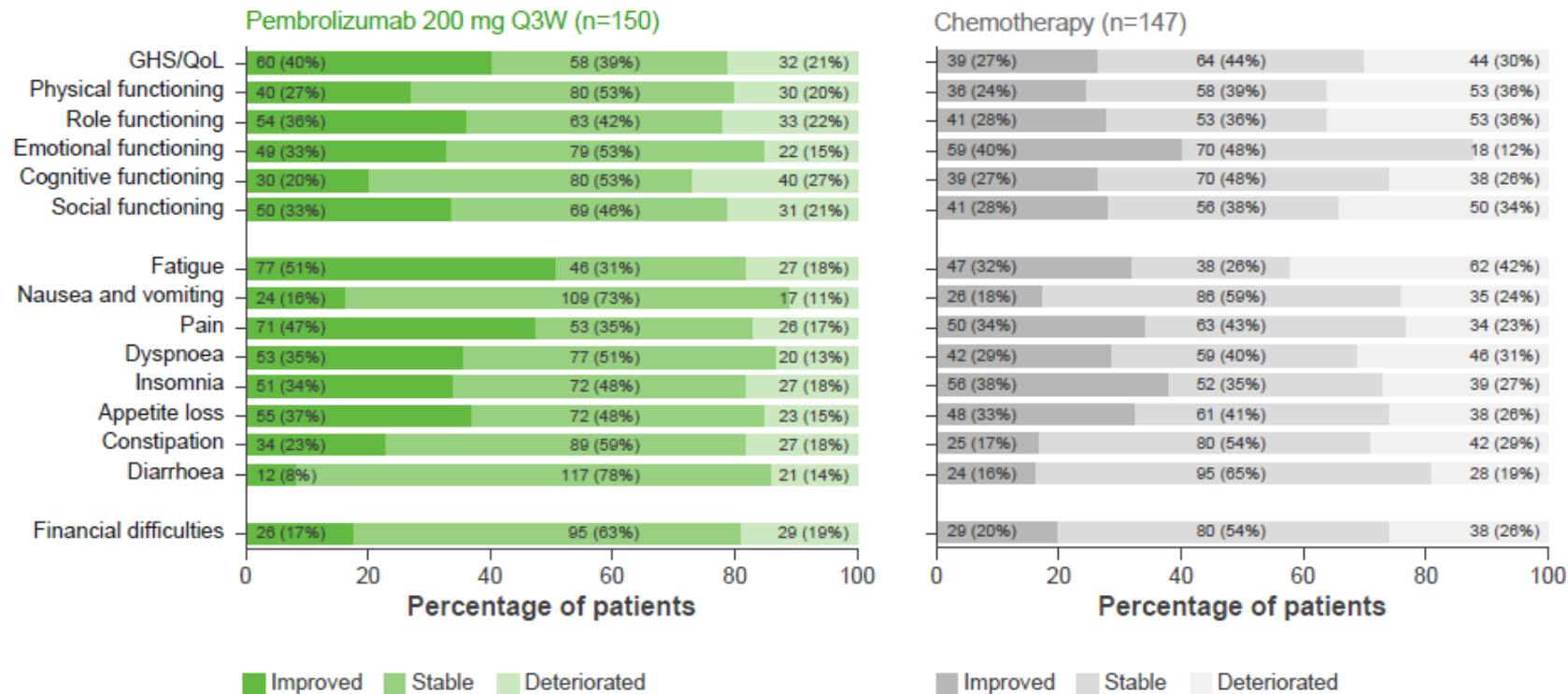




## KEYNOTE-024: HRQoL<sup>1</sup>

### Proportion of patients with improved, stable and deteriorated QLQ-C30 scores at 15 weeks

No statistical conclusions can be drawn from exploratory endpoints



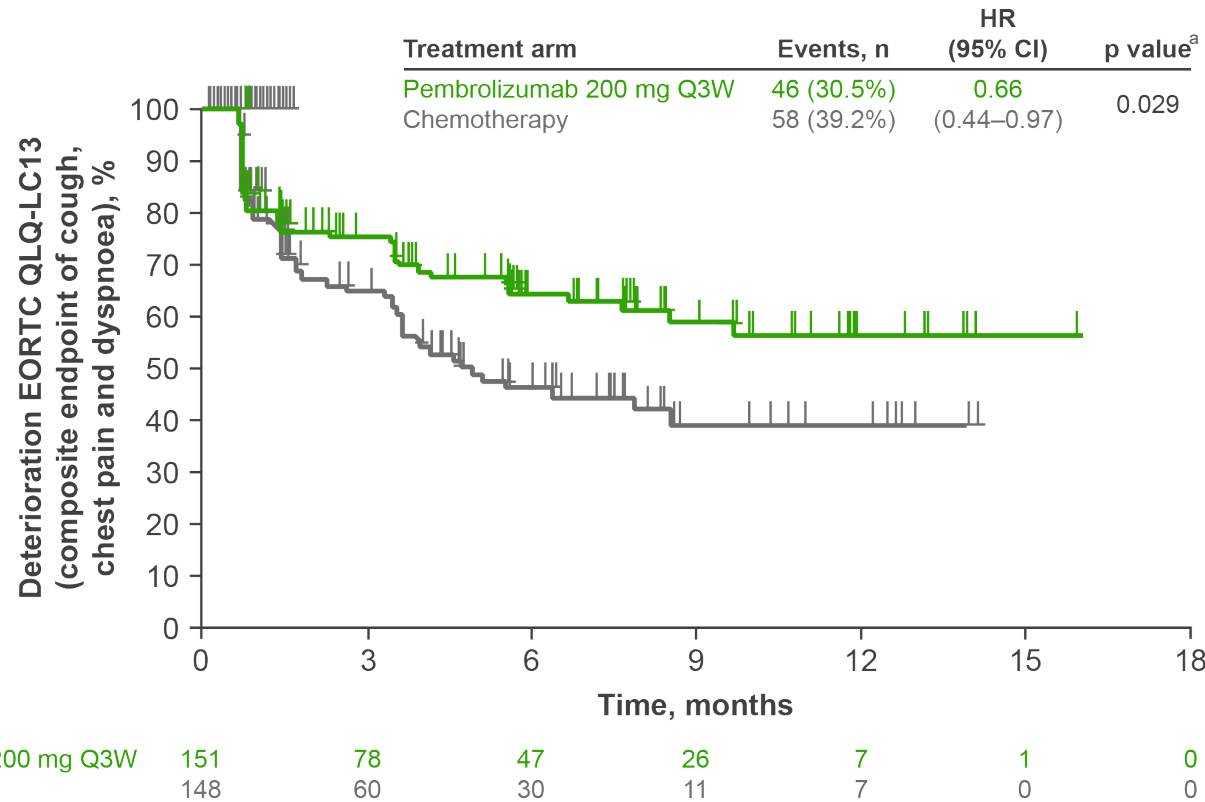
Adapted from: Brahmer JR et al. *Lancet Oncol.* 2017.



# KEYNOTE-024: Time to deterioration analysis<sup>1</sup>

## Composite endpoint of cough, chest pain and dyspnoea

No statistical conclusions can be drawn from exploratory endpoints



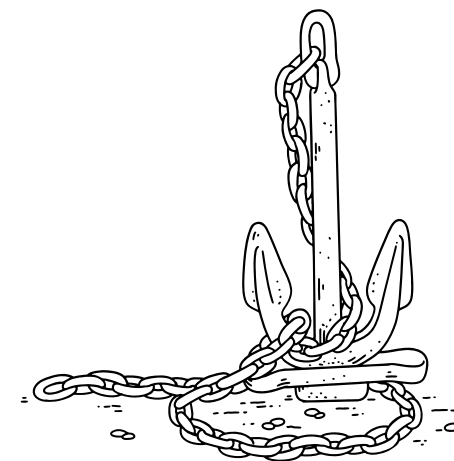
**Time to deterioration was longer with pembrolizumab than with chemotherapy**  
(median not reached [95% CI: 8.5–NR] vs 5.0 months [95% CI: 3.6–NR])

Adapted from: Brahmer JR et al. *Lancet Oncol* 2017.



## KEYNOTE-024: Summary

- Pembrolizumab demonstrated a superior PFS and OS benefit vs. platinum-based chemotherapy as first-line therapy for metastatic NSCLC with PD-L1 TPS  $\geq 50\%$  (original analysis)<sup>1</sup>
- With 5 years of follow up, pembrolizumab continues to show meaningful improvements in OS and durable responses vs. chemotherapy<sup>2</sup>
  - The 5-year OS rate was approximately doubled in the pembrolizumab arm vs the chemotherapy arm (31.9% vs. 16.3%), with a median DOR of 29.1 months (despite the 66% effective crossover rate)<sup>2</sup>
- Patients who completed 35 cycles (2 years) of pembrolizumab experienced long-term OS<sup>2</sup>
- Pembrolizumab continues to demonstrate a generally manageable tolerability profile<sup>2,3</sup>
  - No new safety signals were identified with long-term treatment with pembrolizumab<sup>2</sup>
- Pembrolizumab improves or maintains HRQoL compared with that for chemotherapy<sup>4</sup>
- These data support:
  - Pembrolizumab monotherapy as a standard of care for first-line treatment in advanced NSCLC with PD-L1 TPS  $\geq 50\%$ , including both squamous and non-squamous tumours





## Abbreviations

Abbreviation	Definition
AE	Adverse event
ALK	Anaplastic lymphoma kinase
AUC	Area under the curve
CI	Confidence interval
cLDA	Constrained longitudinal data analysis
CR	Complete response
d	Day
DSMC	Data Safety Monitoring Committee
DOR	Duration of response
ECOG	Eastern Cooperative Oncology Group
EGFR	Epidermal growth factor receptor
EMC	Electronic Medicines Compendium
EORTC	European Organisation for Research and Treatment of Cancer
GHS	Global health status
HR	Hazard ratio
HRQoL	Health-related quality of life
IHC	Immunohistochemistry
ILD	Interstitial lung disease
ITT	Intention-to-treat

Abbreviation	Definition
IV	Intravenous
LS	Least squares
mg	Milligram(s)
mo	Month
MHRA	Medicines and Healthcare Products Regulatory Agency
n	Number of patients
NA	No assessment
NE	Not evaluable
NR	Not reached
NSCLC	Non-small cell lung cancer
OR	Objective response
ORR	Objective response rate
OS	Overall survival
PD	Progressive disease
PD-1	Programmed death-1
PD-L1	Programmed death ligand-1
PFS	Progression-free survival
Pembro–plat–pem	Pembrolizumab + platinum + pemetrexed
Placebo–plat–pem	Placebo + platinum + pemetrexed



# Abbreviations

Abbreviation	Definition
PR	Partial response
PS	Performance status
Q3W	Every 3 weeks
Q6W	Every 6 weeks
QLQ-C30	Quality of Life Questionnaire Core 30
QLQ-LC3	Quality of Life Questionnaire Lung Cancer 13
QoL	Quality of life
RECIST v1.1	Response Evaluation Criteria in Solid Tumors version 1.1
SD	Stable disease
SDev	Standard deviation
TPS	Tumour proportion score
TRAE	Treatment-related adverse event





## Data dive<sup>1</sup>

### PFS

Interim analysis 1  
(1-year)

Updated analysis  
(5-year)

### OS

Interim analysis 1  
(1-year)

Updated analysis  
(5-year)

### Responses

Interim analysis 1 –  
Summary (1-year)

Updated analysis –  
Summary (5-year)

Updated analysis – Best  
OR after 2<sup>nd</sup> course of  
pembrolizumab

Updated analysis – Best  
OR after 35 cycles of  
pembrolizumab

### Safety

Interim analysis 2 –  
AEs (2-year)

Updated analysis –  
AEs (5-year)

Interim analysis 2 –  
TRAEs (2-year)

Interim analysis 2 –  
Immune-mediated AEs  
(2-year)

### HRQoL

EORTC QLQ-C30 GHS

EORTC QLQ-C30 and  
QLQ-LC13

Breakdown of QLQ-C30  
scores

Time to deterioration  
analysis



## KEYTRUDA offers flexibility of dosing<sup>1</sup>



**Administered as  
an IV infusion**



**Over 30 minutes**



**200 mg Q3W or  
400 mg Q6W**

The 200 mg Q3W regimen has been assessed in phase 2 and 3 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 dosing for monotherapy and combination therapy.