

# Cytostatika + Immunterapi NSCLC

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# Post op adjuvant cytostatika

- Ges efter radikal kirurgi för:
  - Stadium 1B (ev om liten resektionsmarginal)
  - Stadium II
  - Stadium IIIA

Cisplatin +Vinorelbin 3-4 kurer

Karboplatin + Vinorelbin; om nedsatt AT, njurfunktion, hörselnedsättning.

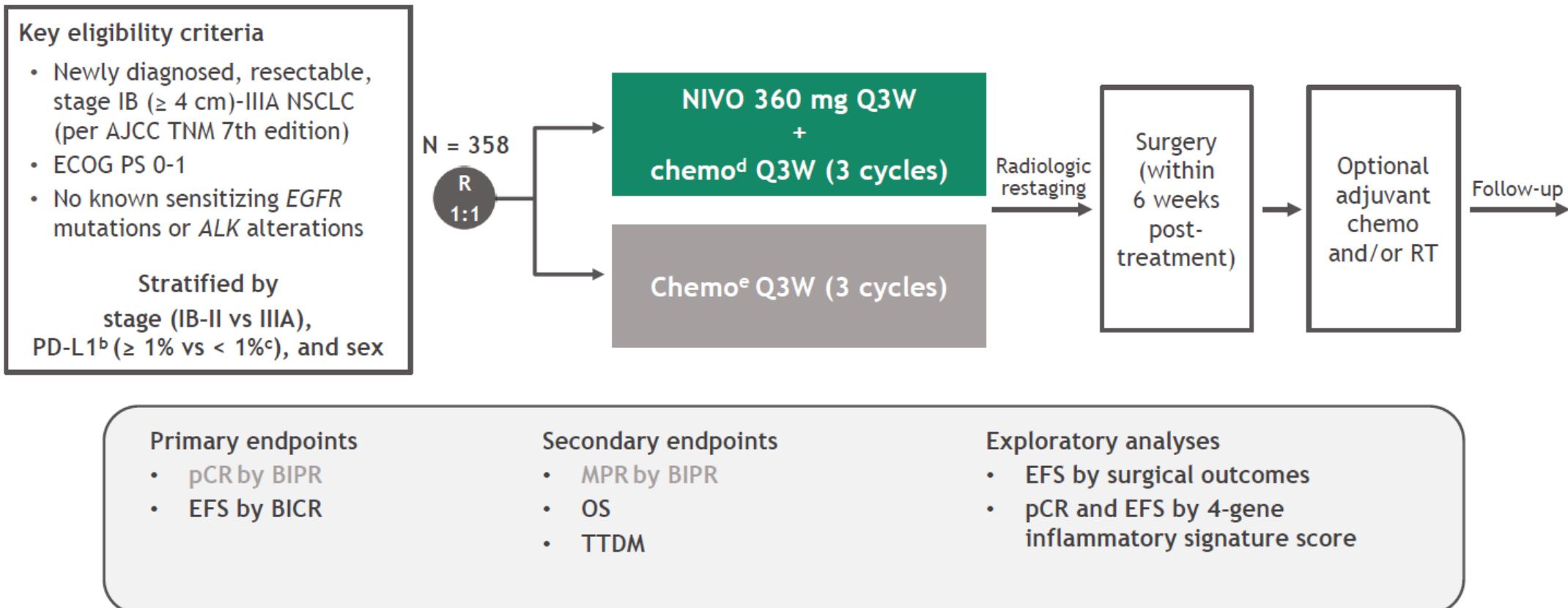
# Post op behandling

- Efter Adjuvant cyto kan ges;
  - Atezolizumab 1 år om PDL1>50% (Impower 010).
  - Osimertinib 3 år om EGFR mutation exon 19/exon 21(L858R) (Adaura)

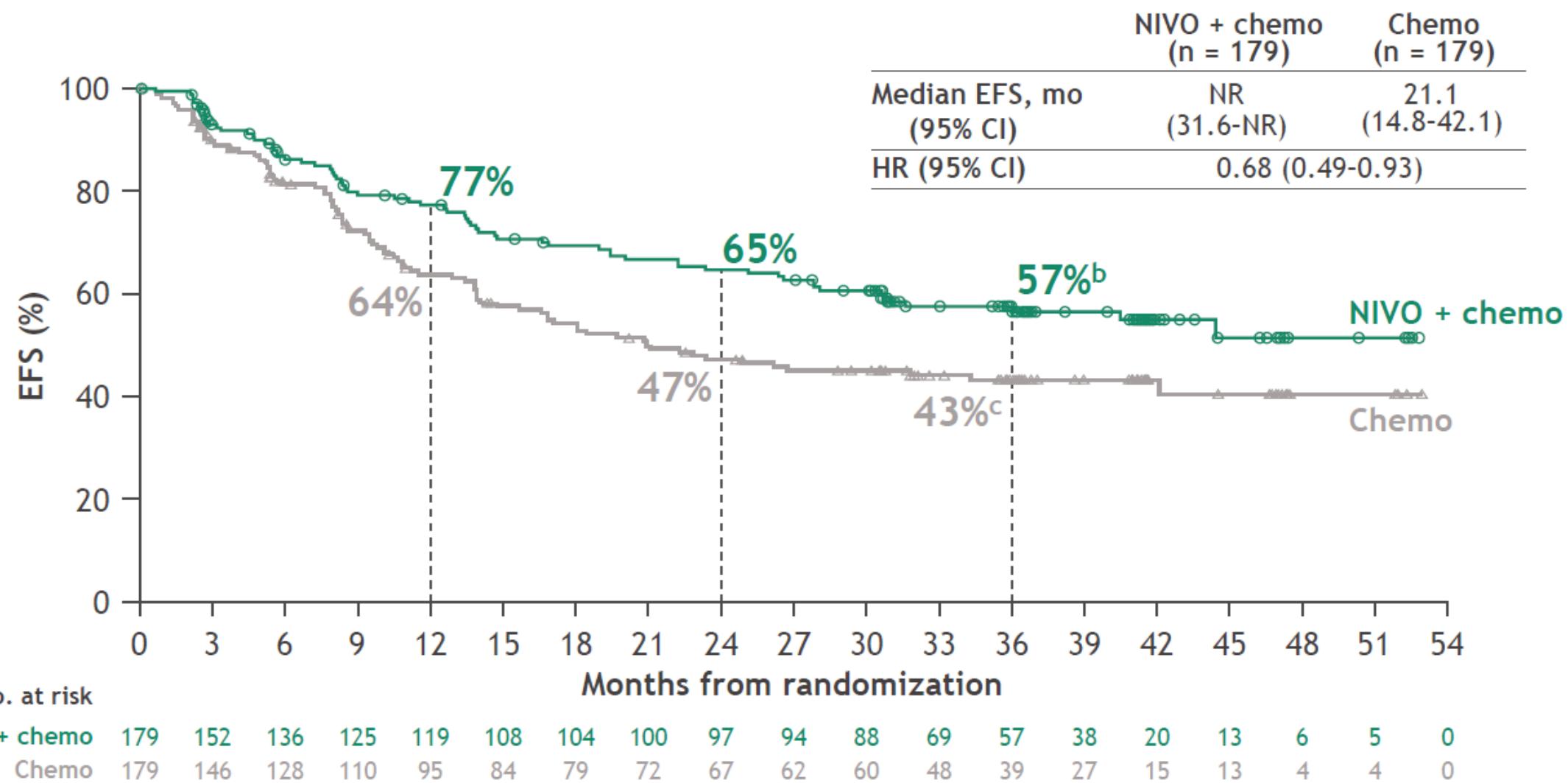
# Stadium III

- Stadium IIIa      Ev trippelbehandling med Kemoradio + operation.  
                        Neoadjuvant eller adjuvant.  
  
                        Checkmate 816
  
- Stadium IIIb+c    Kemoradioterapi, RT upp mot 60-66 Gy.  
                        Ev immunterapi Durvalumab därefter (PDL1>1%)  
                        Pacific-studien.

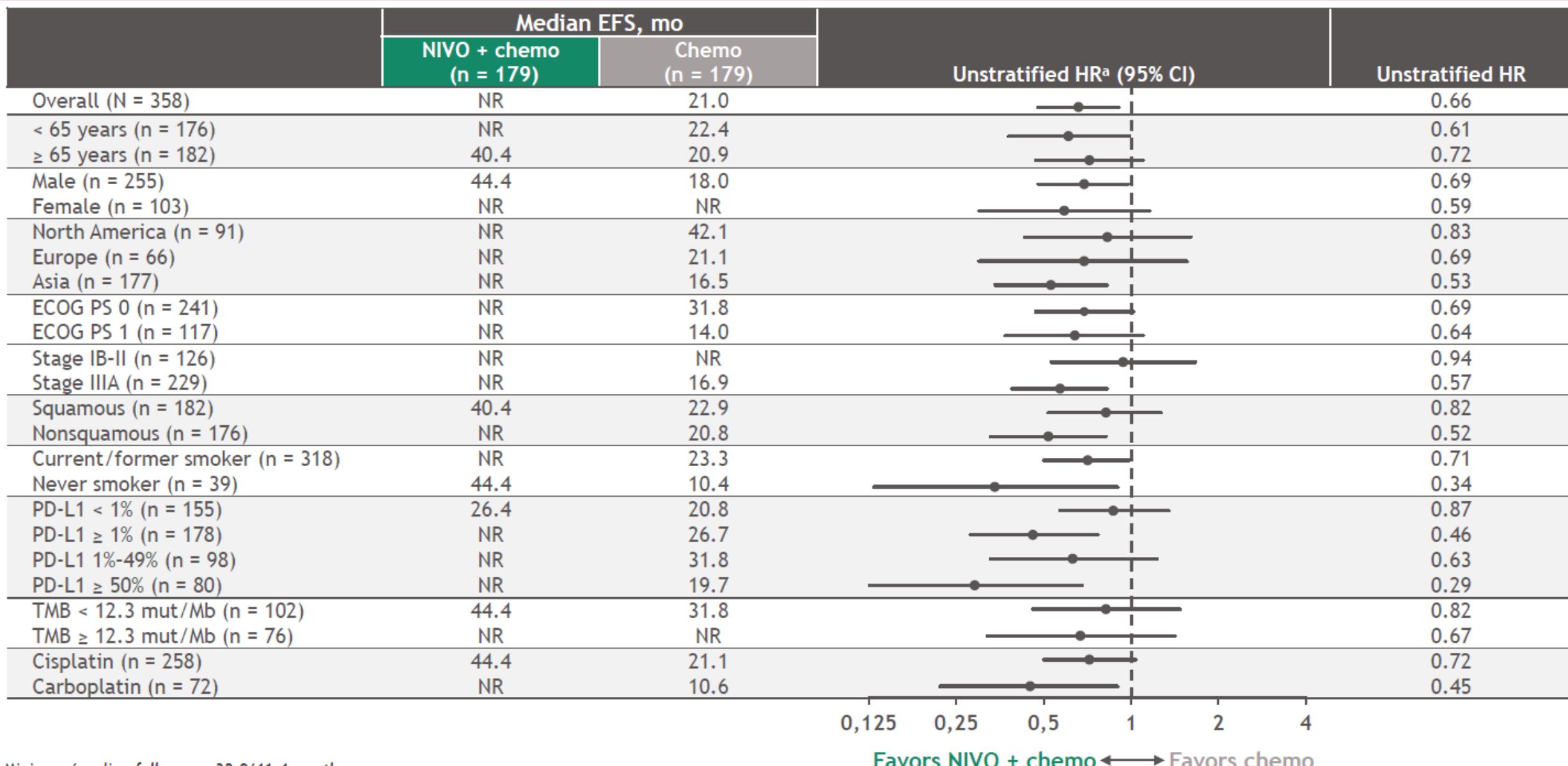
# CheckMate 816 study design<sup>a</sup>



# EFS with neoadjuvant NIVO + chemo vs chemo: 3-year update<sup>a</sup>



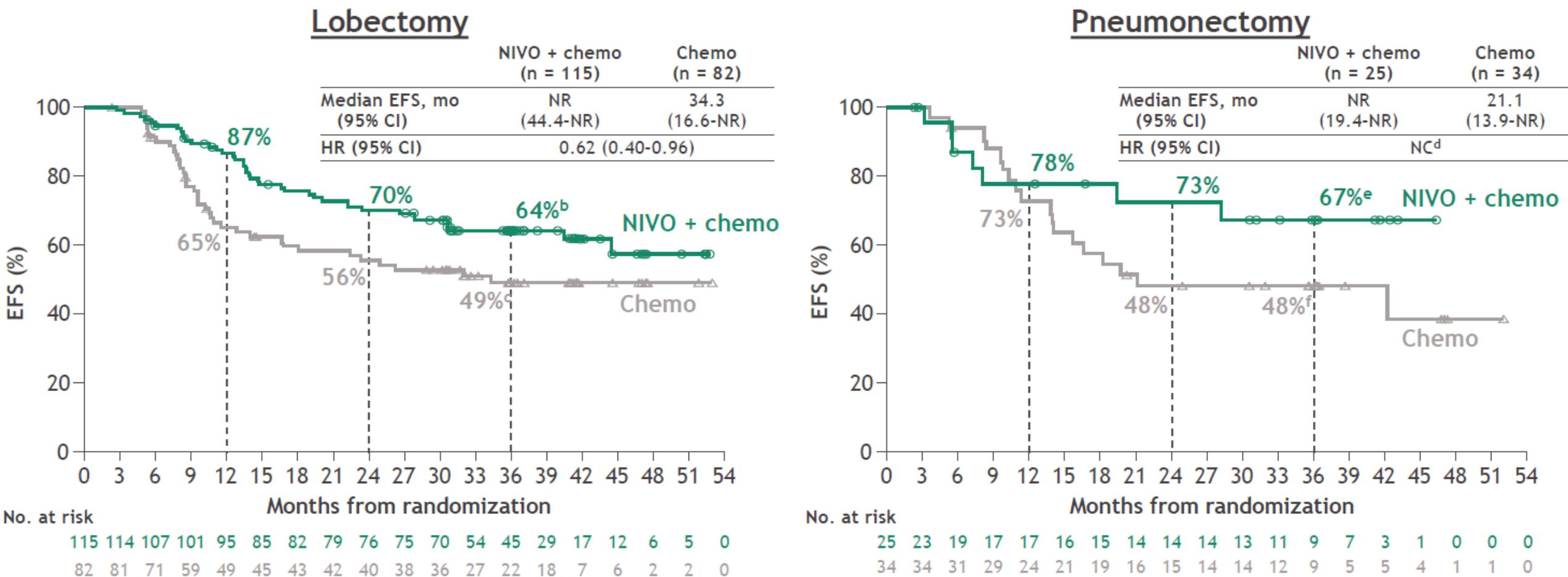
# EFS<sup>a</sup> subgroup analysis: 3-year update



Minimum/median follow-up: 32.9/41.4 months.

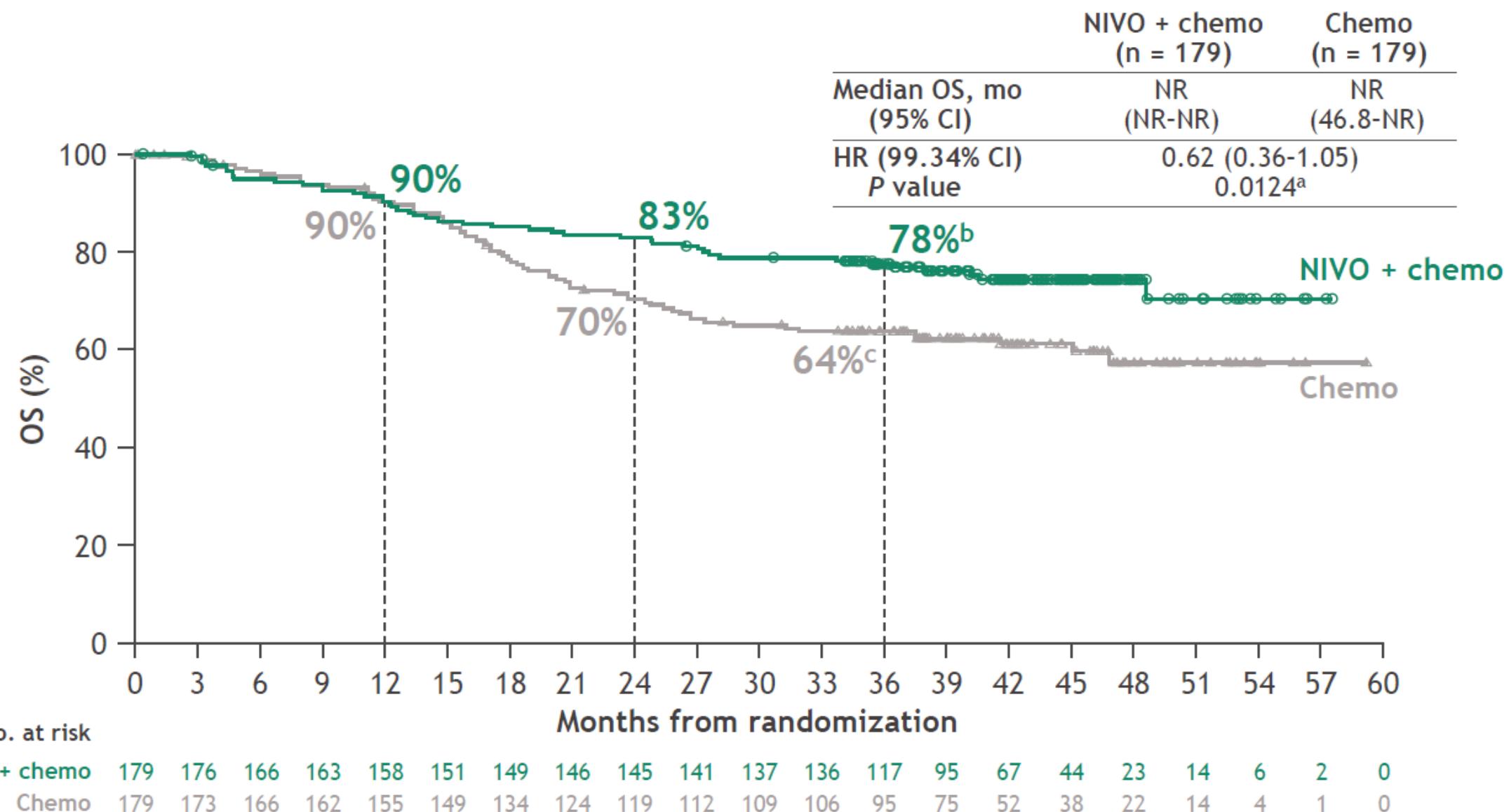
<sup>a</sup>Per BICR.

# EFS by extent/completeness of resection<sup>a</sup>: 3-year update



- In patients with R0 resection,<sup>a</sup> 3-year EFS rates were 64%<sup>g</sup> vs 51%<sup>h</sup> for NIVO + chemo vs chemo, respectively (HR, 0.65; 95% CI, 0.43-0.98)

# OS with neoadjuvant NIVO + chemo vs chemo: 3-year update



# Summary

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- In this 3-year analysis from CheckMate 816, neoadjuvant NIVO + chemo showed long-term EFS benefit vs chemo in patients with resectable NSCLC
  - Benefit was seen regardless of surgical approach or extent of resection, and in patients with R0 resection
- Fewer patients treated with neoadjuvant NIVO + chemo vs chemo had recurrence overall after surgery, including distant recurrence in the CNS
  - TTDM also continued to favor NIVO + chemo vs chemo
- Exploratory analyses of the 4-gene inflammatory signature suggested that high baseline tumor inflammation may be associated with improved EFS and pCR with neoadjuvant NIVO + chemo
- OS remained immature at this update but continued to show a promising trend favoring neoadjuvant NIVO + chemo
- The safety profile of neoadjuvant NIVO + chemo was consistent with previous reports
- These results from CheckMate 816 further support the use of NIVO + chemo as a standard neoadjuvant treatment for patients with resectable NSCLC

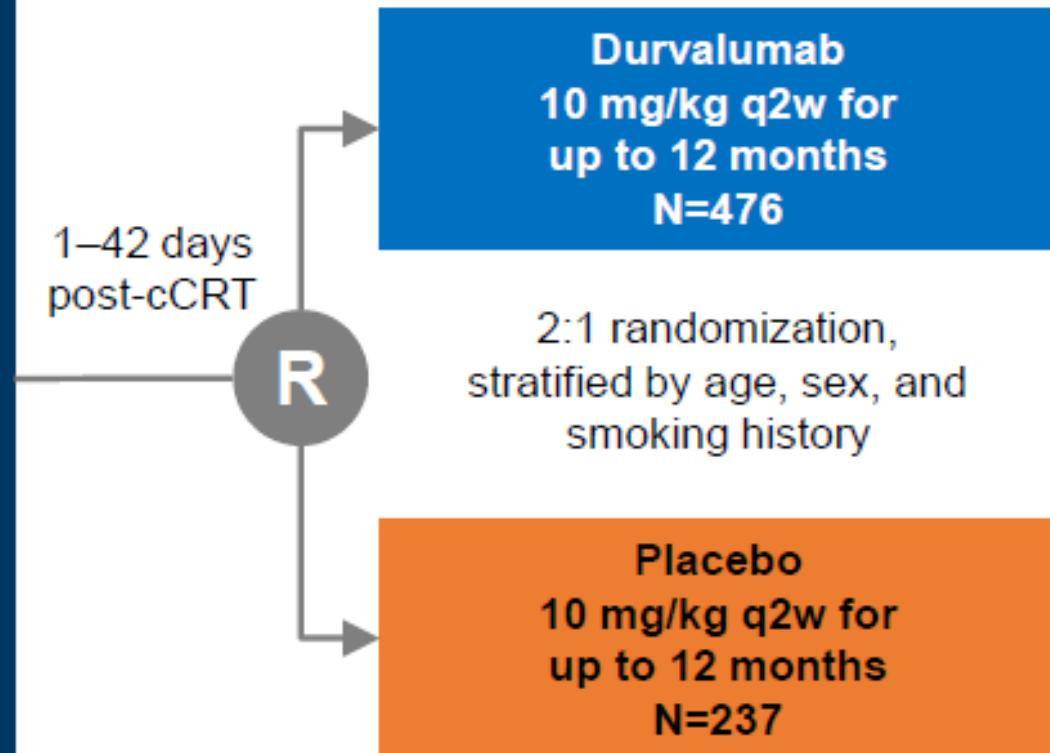
# PACIFIC: Study Design

Phase 3, Randomized, Double-blind, Placebo-controlled, Multicenter, International Study<sup>1</sup>

- Unresectable, Stage III NSCLC without progression after definitive platinum-based cCRT ( $\geq 2$  cycles)
- 18 years or older
- WHO PS score 0 or 1
- If available, archived pre-cCRT tumor tissue for PD-L1 testing\*

**All-comers population  
(i.e. irrespective of PD-L1 status)**

**N=713 randomized**



**Durvalumab**  
10 mg/kg q2w for  
up to 12 months  
**N=476**

2:1 randomization,  
stratified by age, sex, and  
smoking history

**Placebo**  
10 mg/kg q2w for  
up to 12 months  
**N=237**

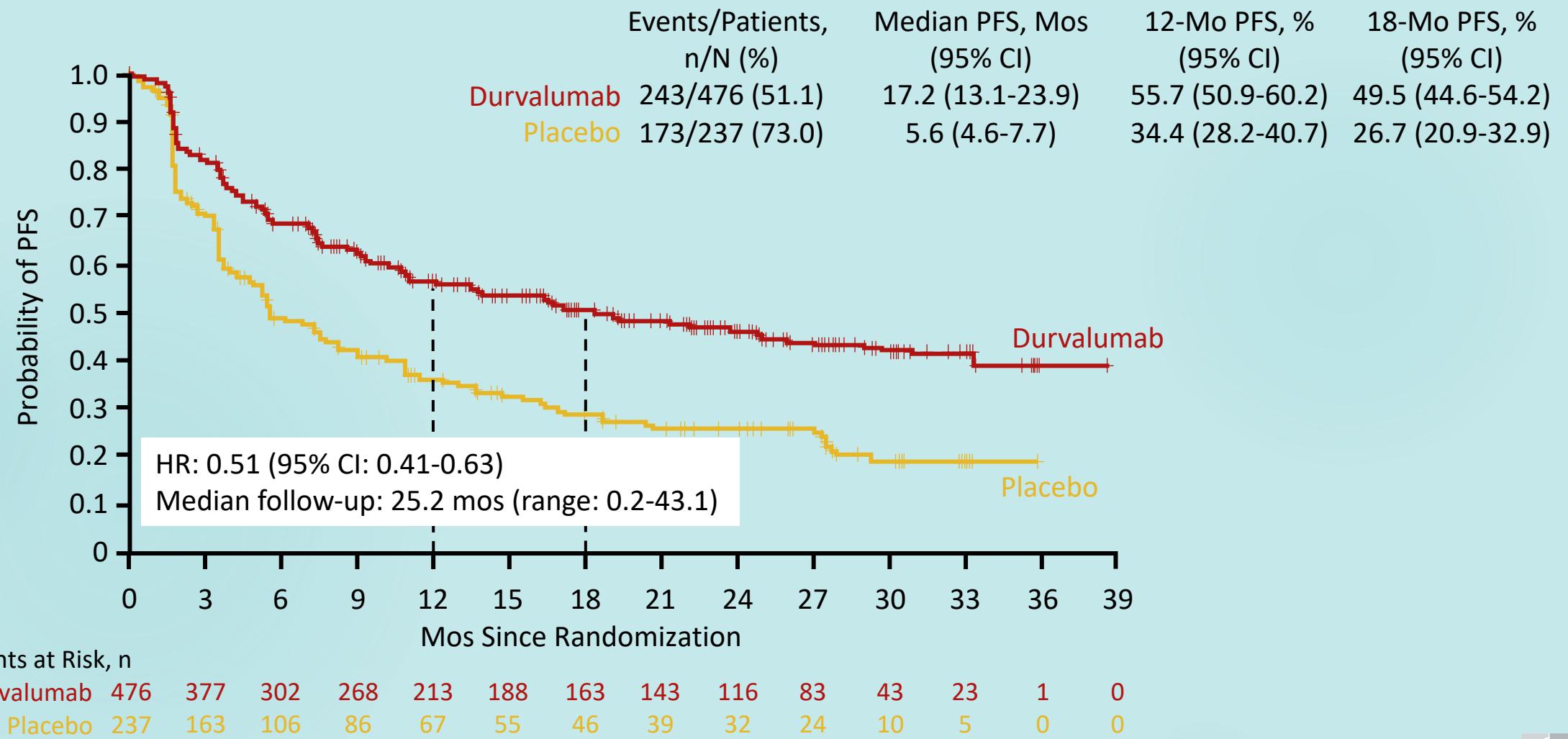
## Primary endpoints

- PFS by BICR using RECIST v1.1†
- OS

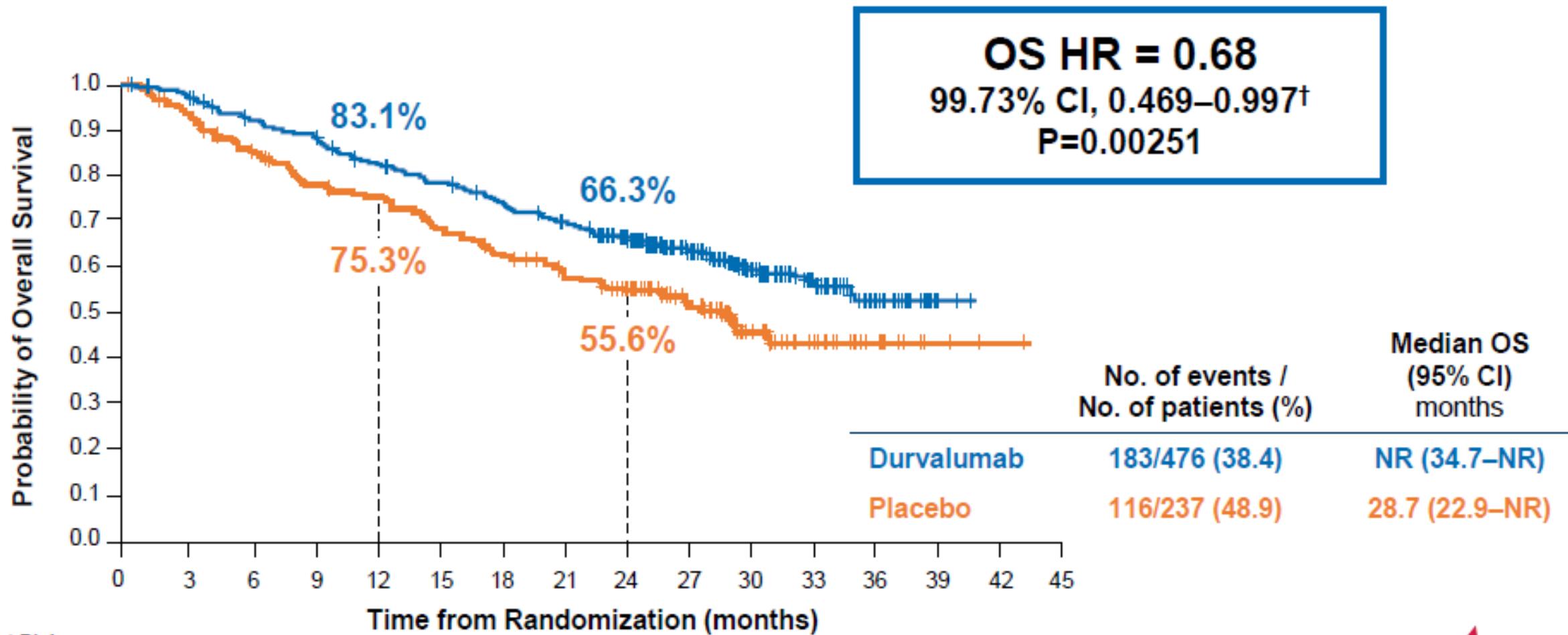
## Key secondary endpoints

- ORR, DoR and TTDM by BICR
- PFS2 by investigator
- Safety
- PROs

# PACIFIC: Updated PFS by BICR (ITT)



# Overall Survival\* (ITT)



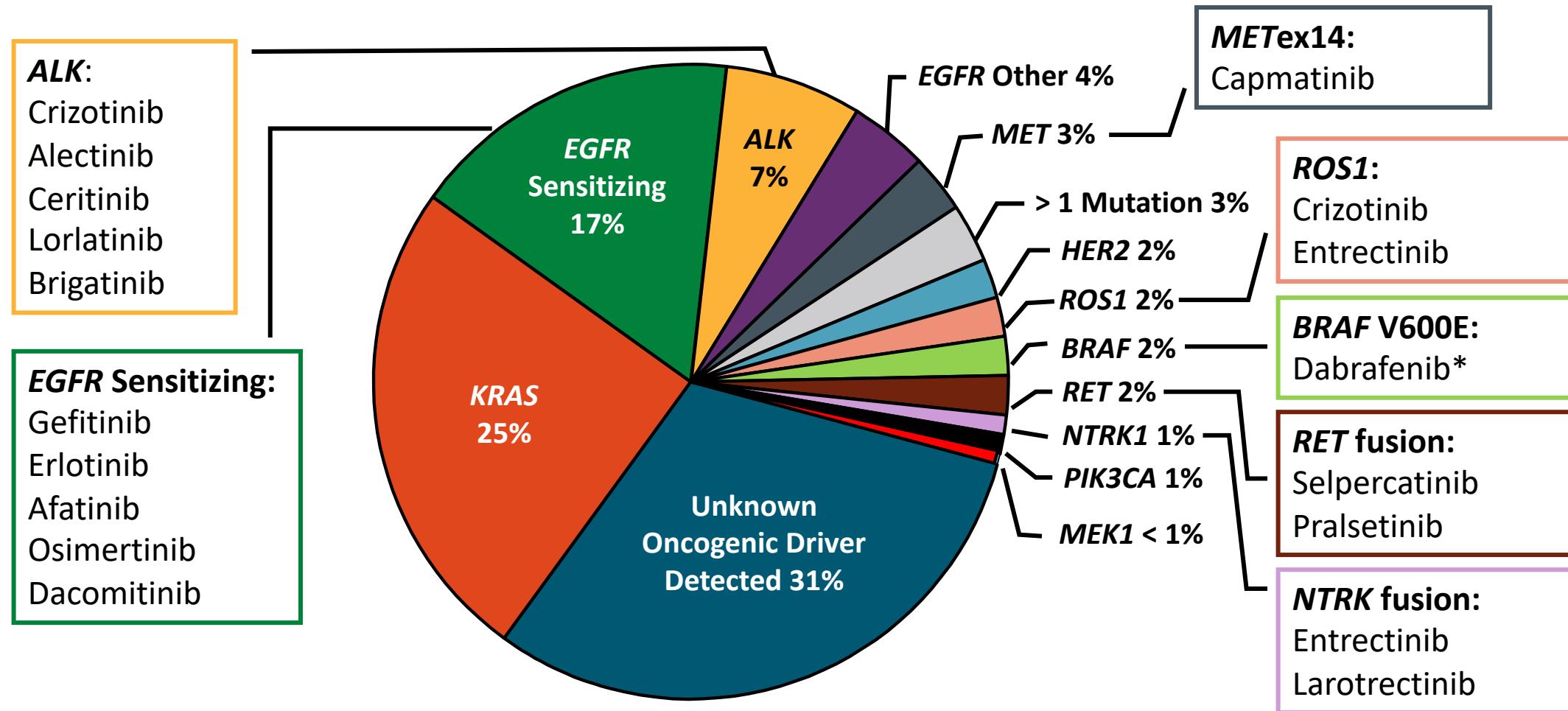
No. at Risk

Durvalumab	476	464	431	415	385	364	343	319	274	210	115	57	23	2	0	0
Placebo	237	220	198	178	170	155	141	130	117	78	42	21	9	3	1	0



Durvalumab 47 mån  
Placebo 29 mån

# ~ 35% of Patients With Advanced Nonsq NSCLC Have a Driver Mutation Targetable by an FDA-Approved Agent



\*Approved in combination with trametinib (MEK inhibitor) for BRAF V600E mutation.

# Histologi för val av behandling NSCLC

- Histologi
  - Adenocarcinom 40 - 45%
  - Skivepitel 30 -35%
  - Odifferentierad storcellig cancer 10%

# Biomarkörer för val av behandling

## ■ PDL1

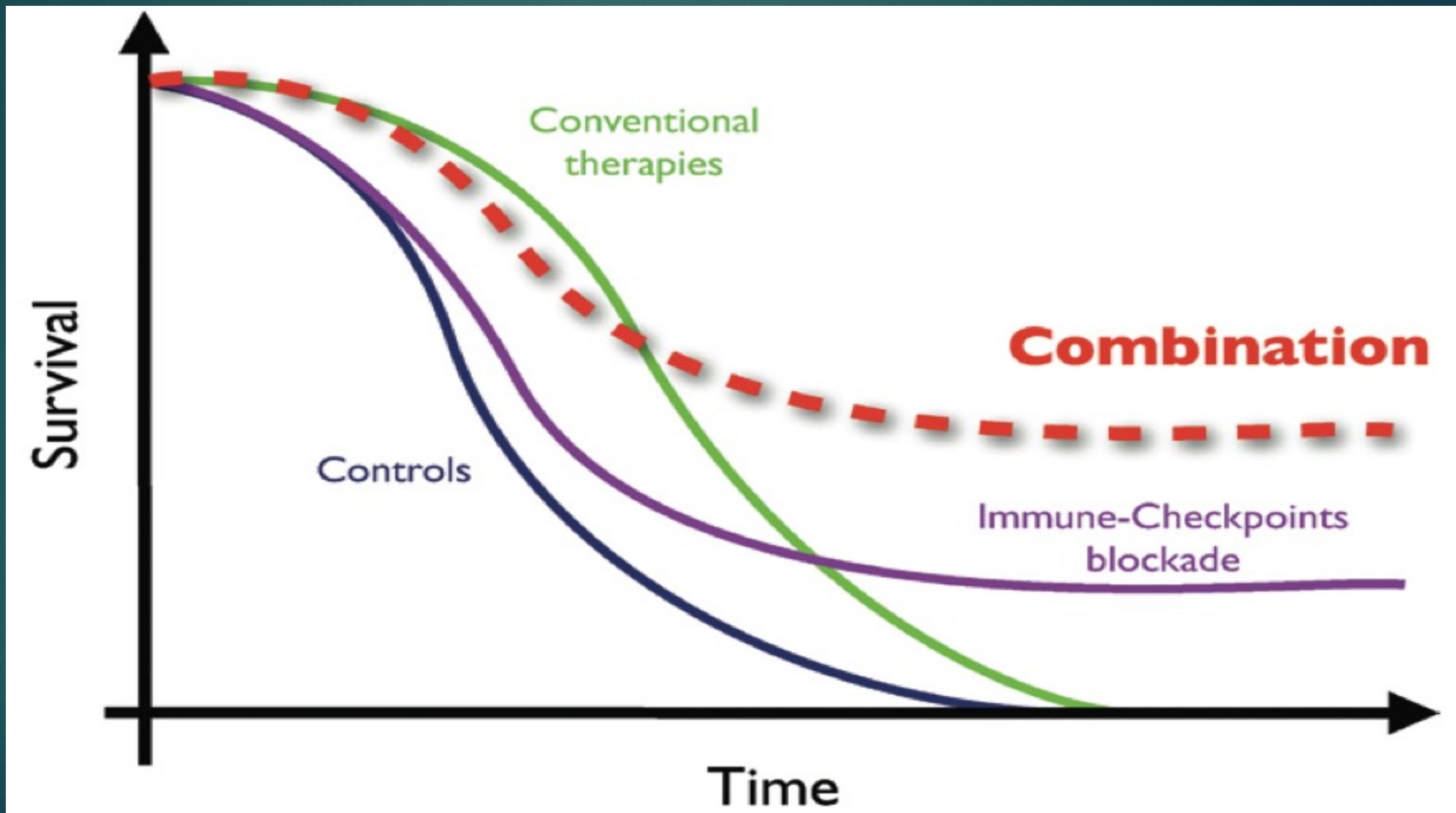
- 22C3 (Pembrolizumab)
- 28-8 (Nivolumab)
- SP 263 (Durvalumab)
- SP 142 (Atezolizumab)

## ■ TMB Tumor mutational burden

## ■ STK-11

## ■ KEAP-1

# Immunoterapi



# Cytostatika NSCLC

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- Cisplatin
  - Karboplatin
  - Pemetrexed
  - Gemcitabin
  - Vinorelbin
  - Docetaxel
  - Paclitaxel
  - Nab-Paclitaxel
  - Temozolomide
-

# PDL1

- > 50%      20 – 25%      Singel immunterapi, komb cyto+immun
- 1-49%      40 – 50%      Kombination cyto+immun, bara cyto.
- < 1%      25 – 30%      Bara cyto, komb cyto+immun
- Ev dela upp i två grupper; >50% - 74%, >75%

# Behandling PDL1>50%

- Pembrolizumab-Keytruda (Keynote 024) 3 eller 6 veckors intervall
  - PFS 8 mån OS 24 mån
- Atezolizumab-Tecentriq (Impower 110) 3 eller 4 veckors intervall
  - PFS 8 mån OS 20 mån
- Cemiplimab-Libtayo (Empower-Lung 1) 3 veckors intervall
  - PFS 8 mån OS 22 mån
- Kombination cyto+immun om avancerad tumör med pat i gott AT.

# Behandling PDL1 1-49% Kombination cyto+immun

- Keynote 189                      Pembro icke skivepitel
- Keynote 407                      Pembro Skivepitel
- Impower 130                      Atezo icke skivepitel
- Impower 150                      Atezo+ Bev icke skivepitel
- Empower Lung-3                Cemiplimab alla NSCLC (PDL1>1%)
- Checkmate 9LA                Nivo+Ipi alla NSCLC

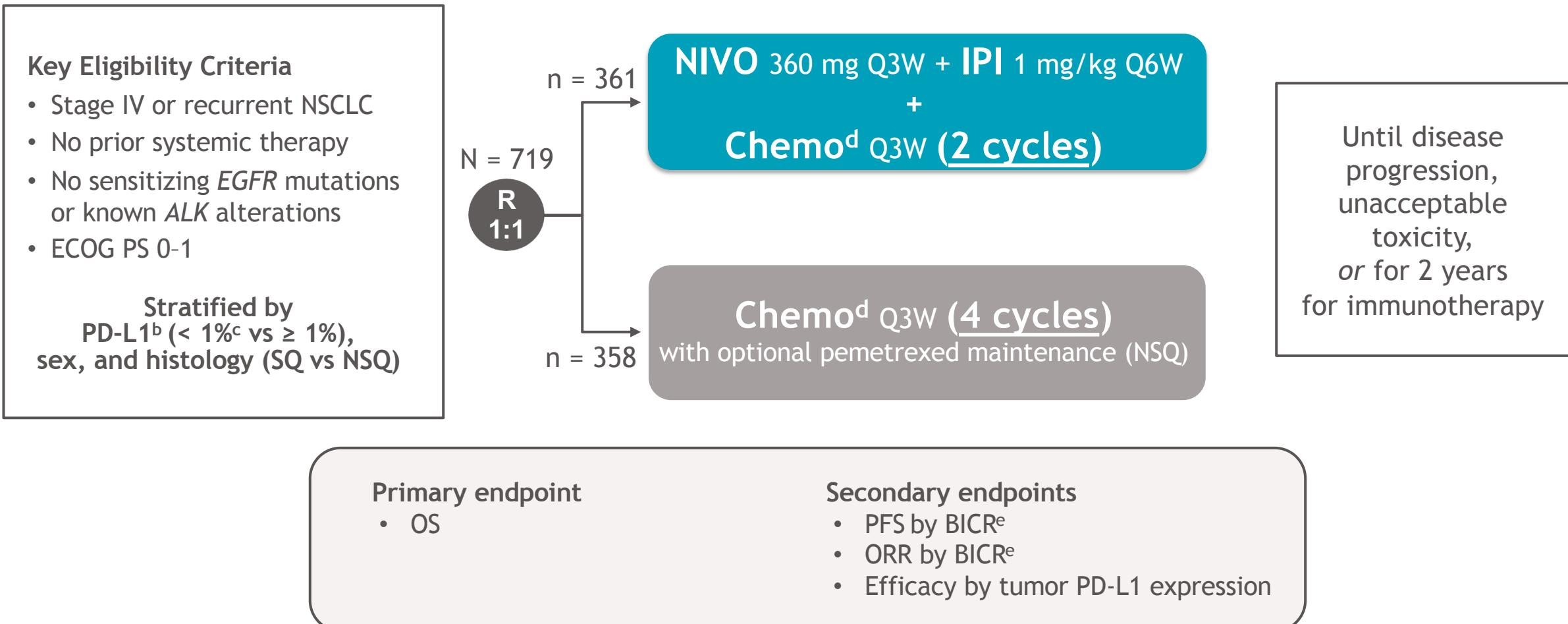
# Behandlung PDL1 1-49% Kombination cyto+immun

- Keynote 189                    PFS 9, OS 22
- Keynote 407                    PFS 8, OS 17
- Impower 130                  PFS 5,5, OS 18
- Impower 150                  PFS 8, OS 19
- Empower Lung-3              PFS 8 , OS 22
- Checkmate 9LA                PFS 7, OS 16

# Jämförelse olika regimer

- PDL1 <1% OS
- 9LA 16.8 (Adeno 69+Skiv 31)
- Keynote 189 17.2 (Adeno)
- Keynote 407 15.9 (Skiv)

# CheckMate 9LA study design<sup>a</sup>



Interim database lock: October 3, 2019; minimum follow-up: 8.1 months for OS and 6.5 months for all other endpoints.

Updated database lock: March 9, 2020; minimum follow-up: 12.7 months for OS and 12.2 months for all other endpoints.

<sup>a</sup>NCT03215706; <sup>b</sup>Determined by the PD-L1 IHC 28-8 pharmDx assay (Dako); <sup>c</sup>Patients unevaluable for PD-L1 were stratified to PD-L1 < 1% and capped to 10% of all randomized patients;

<sup>d</sup>NSQ: pemetrexed + cisplatin or carboplatin; <sup>e</sup>Hierarchically statistically tested.

# Cytostatika i studien

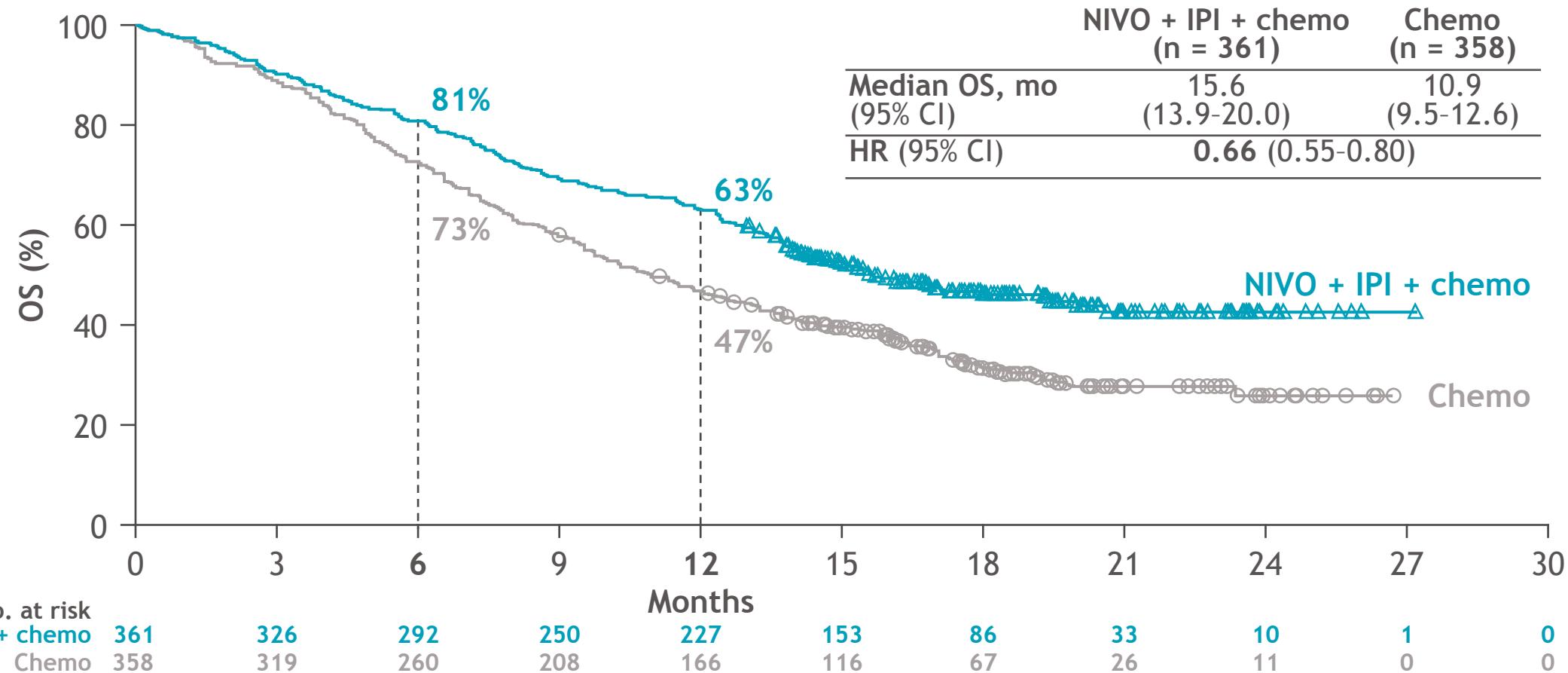
- Experimentarm:
  - Cisplatin – Pemetrexed Adeno 2 cykler + ev underhåll Pem
  - Carboplatin – Pemetrexed Adeno 2 cykler + ev underhåll Pem
  - Carboplatin – Paclitaxel Skivepitel 2 cykler
- Kontrollarm:
  - Cis-Pem 4 cykler + ev underhåll Pem
  - Karbo-Pem 4 cykler + ev underhåll Pem
  - Karbo-Pac 4 cykler

# Baseline characteristics

	NIVO + IPI + chemo (n = 361)	Chemo (n = 358)
<b>Age, median (range), years</b>	65 (35-81)	65 (26-86)
<b>Female, %</b>	30	30
<b>ECOG PS,<sup>a</sup> %</b>	0 31 1 68	31 68
<b>Smoking status, %</b>		
Never smoker	13	14
Current / former smoker	87	86
<b>Histology, %</b>		
Squamous	31	31
Non-squamous	69	69
<b>Metastases, %</b>		
Bone	27	31
Liver	19	24
CNS	18	16
<b>Tumor PD-L1 expression,<sup>b</sup> %</b>		
< 1% <sup>c</sup>	40	39
≥ 1% <sup>c</sup>	60	61
1-49% <sup>c</sup>	38	32
≥ 50% <sup>c</sup>	22	29

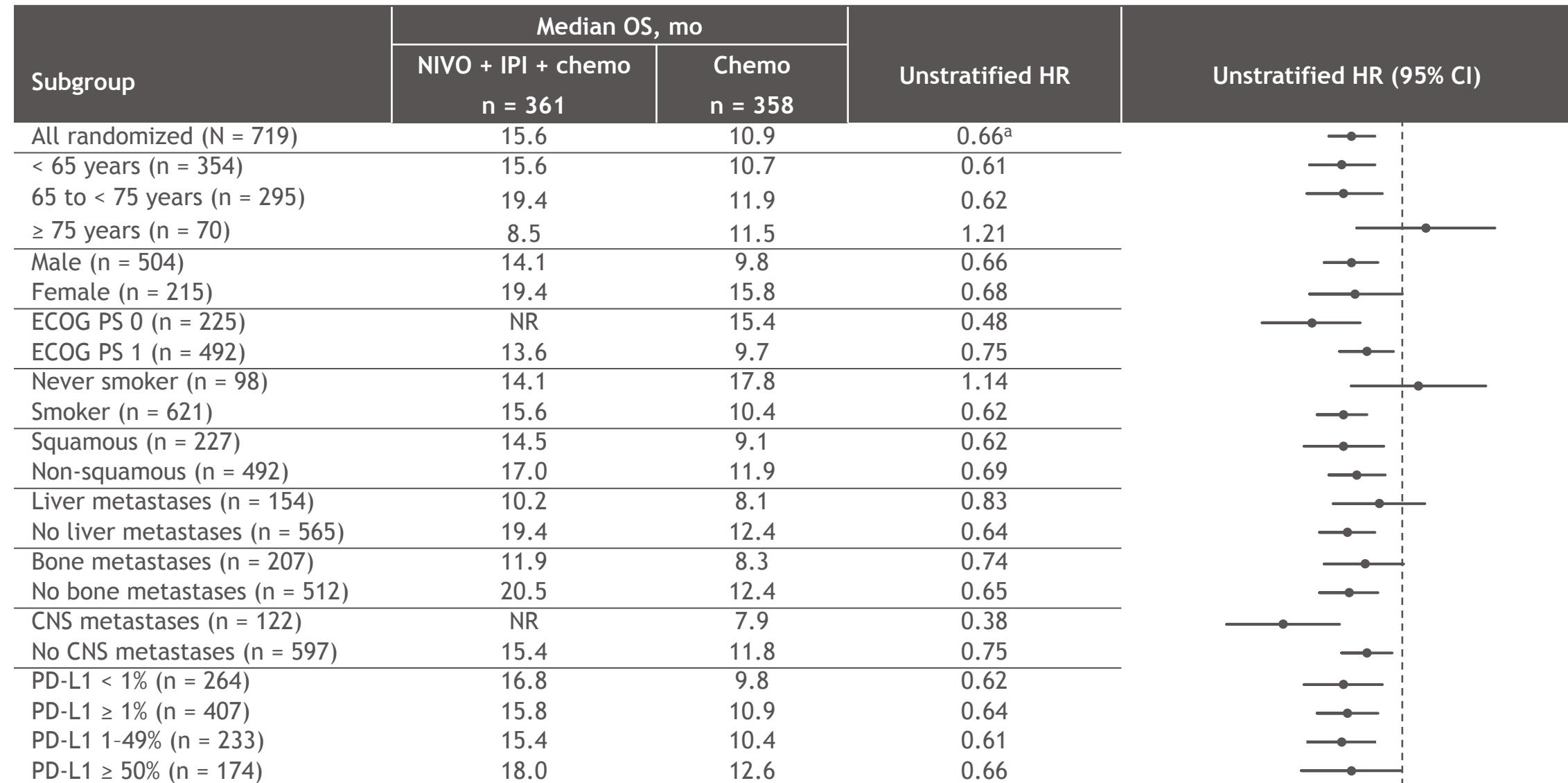
<sup>a</sup>ECOG PS was not reported for 1 patient (0.3%) in each of the NIVO + IPI + chemo and chemo arms; <sup>b</sup>6% and 7% of patients in the NIVO + IPI + chemo and chemo arms, respectively, were unevaluable for PD-L1; <sup>c</sup>Calculated as a percentage of quantifiable patients.

# Primary endpoint (updated): Overall survival<sup>a</sup>



<sup>a</sup>Patients remaining in follow-up were censored on the last date they were known to be alive; 47% of patients in the NIVO + IPI + chemo arm and 32% of patients in the chemo arm were censored. Subsequent systemic therapy was received by 31% of patients in the NIVO + IPI + chemo arm and 40% in the chemo arm; subsequent immunotherapy was received by 5% and 30%, and subsequent chemotherapy by 29% and 22%, respectively. Among patients with BICR-confirmed disease progression on study, subsequent systemic therapy was received by 40% in the NIVO + IPI + chemo arm and 44% in the chemo arm; subsequent immunotherapy was received by 7% and 34%, and subsequent chemotherapy by 38% and 24%, respectively

# Overall survival subgroup analysis



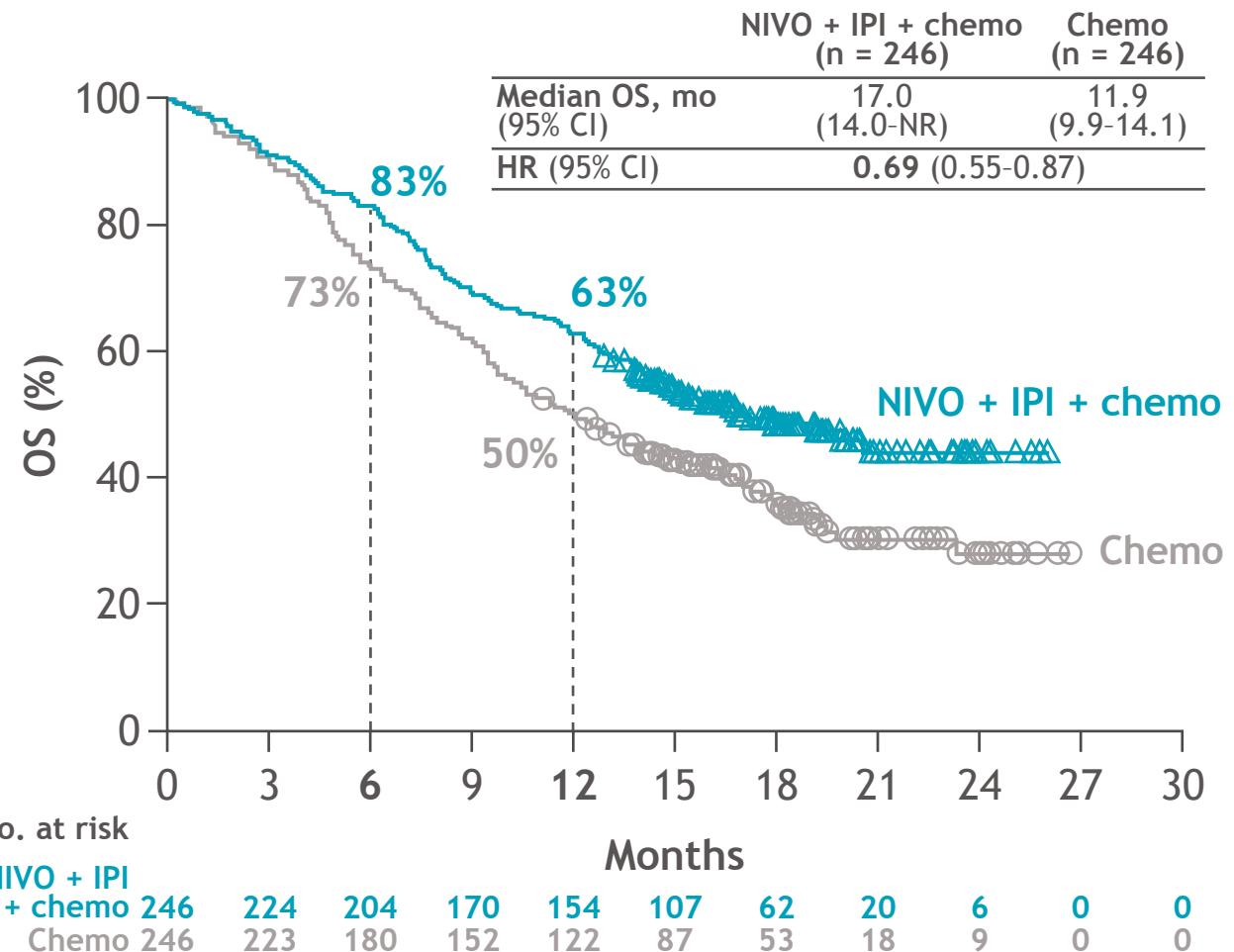
Minimum follow-up: 12.7 months.

<sup>a</sup>Stratified HR; unstratified HR was 0.67 (95% CI, 0.55-0.81).

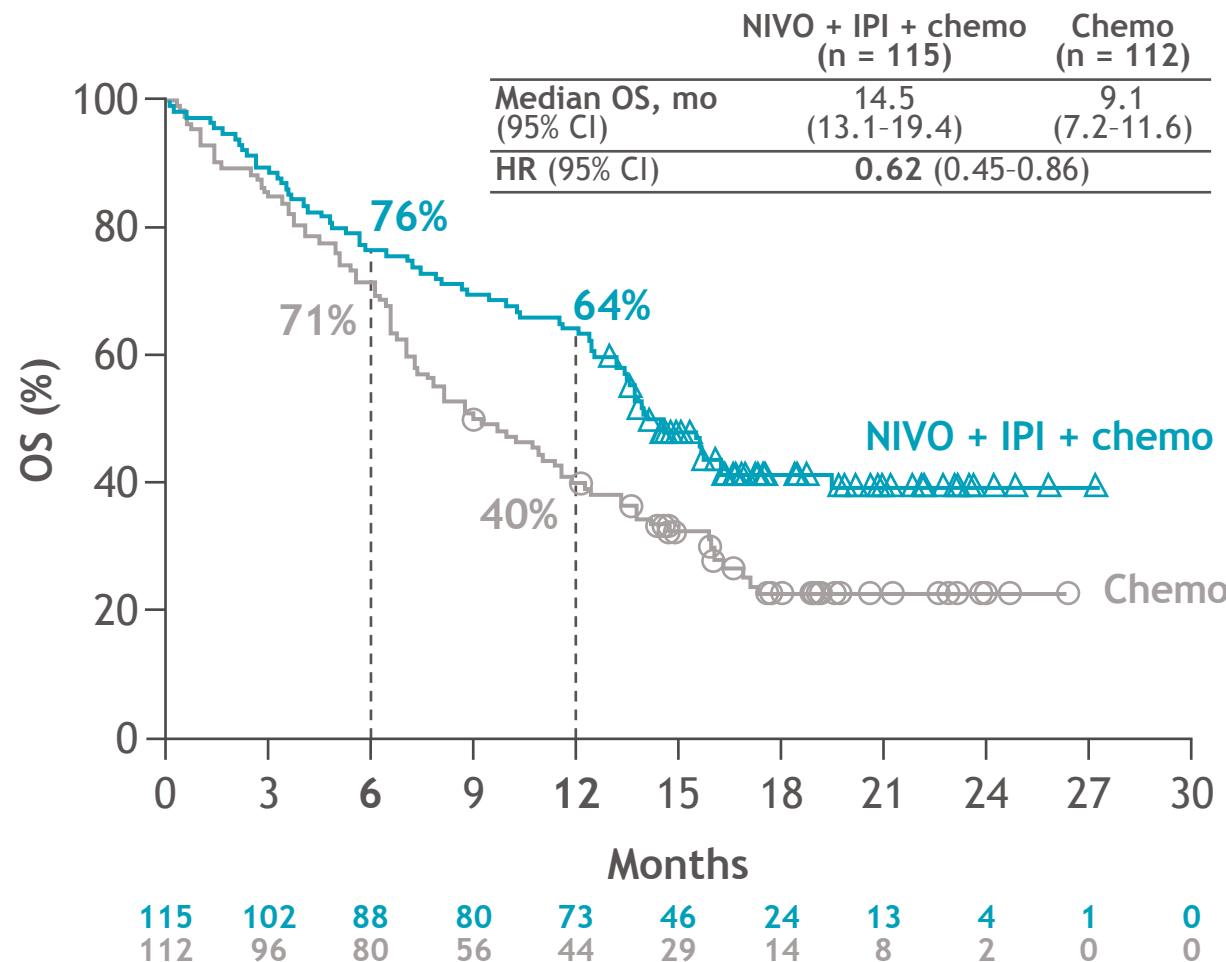
NIVO + IPI + chemo ← → Chemo

# Overall survival by histology

## NSQ NSCLC<sup>a</sup>

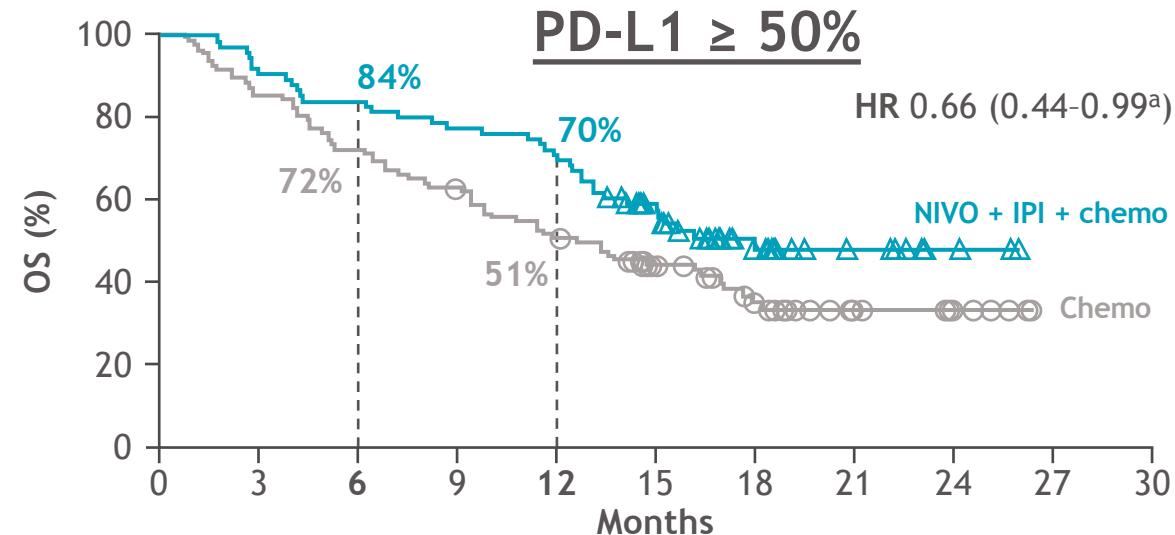
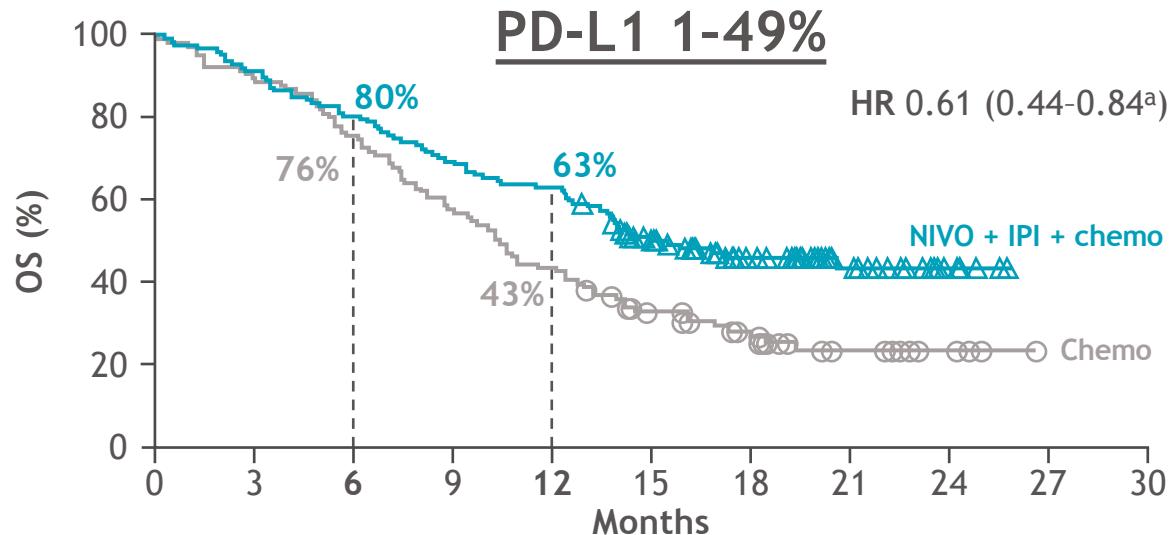
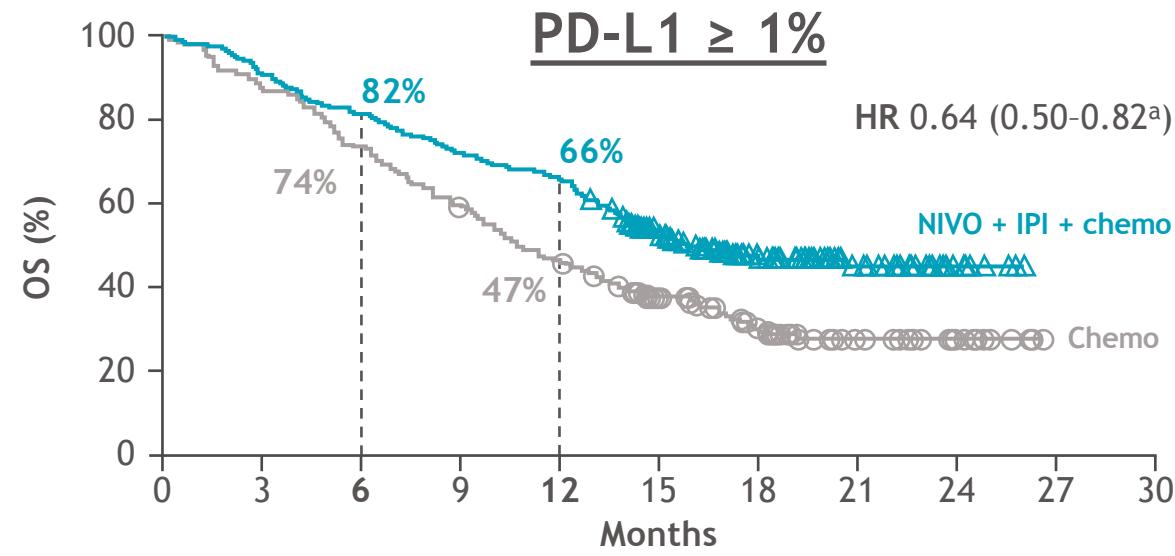
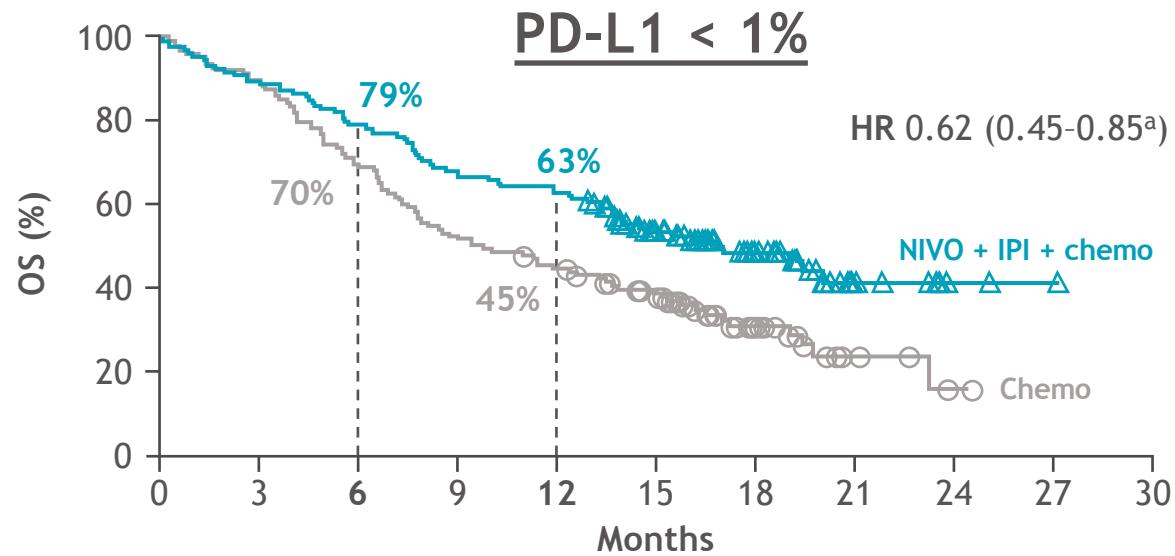


## SQ NSCLC<sup>b</sup>



<sup>a</sup>Subsequent systemic therapy was received by 30% of patients in the NIVO + IPI + chemo arm and 39% of patients in the chemo arm; subsequent immunotherapy was received by 6% and 28%, and subsequent chemotherapy by 29% and 22%, respectively; <sup>b</sup>Subsequent systemic therapy was received by 31% of patients in the NIVO + IPI + chemo arm and 44% of patients in the chemo arm; subsequent immunotherapy was received by 4% and 35%, and subsequent chemotherapy by 30% and 24% of patients, respectively

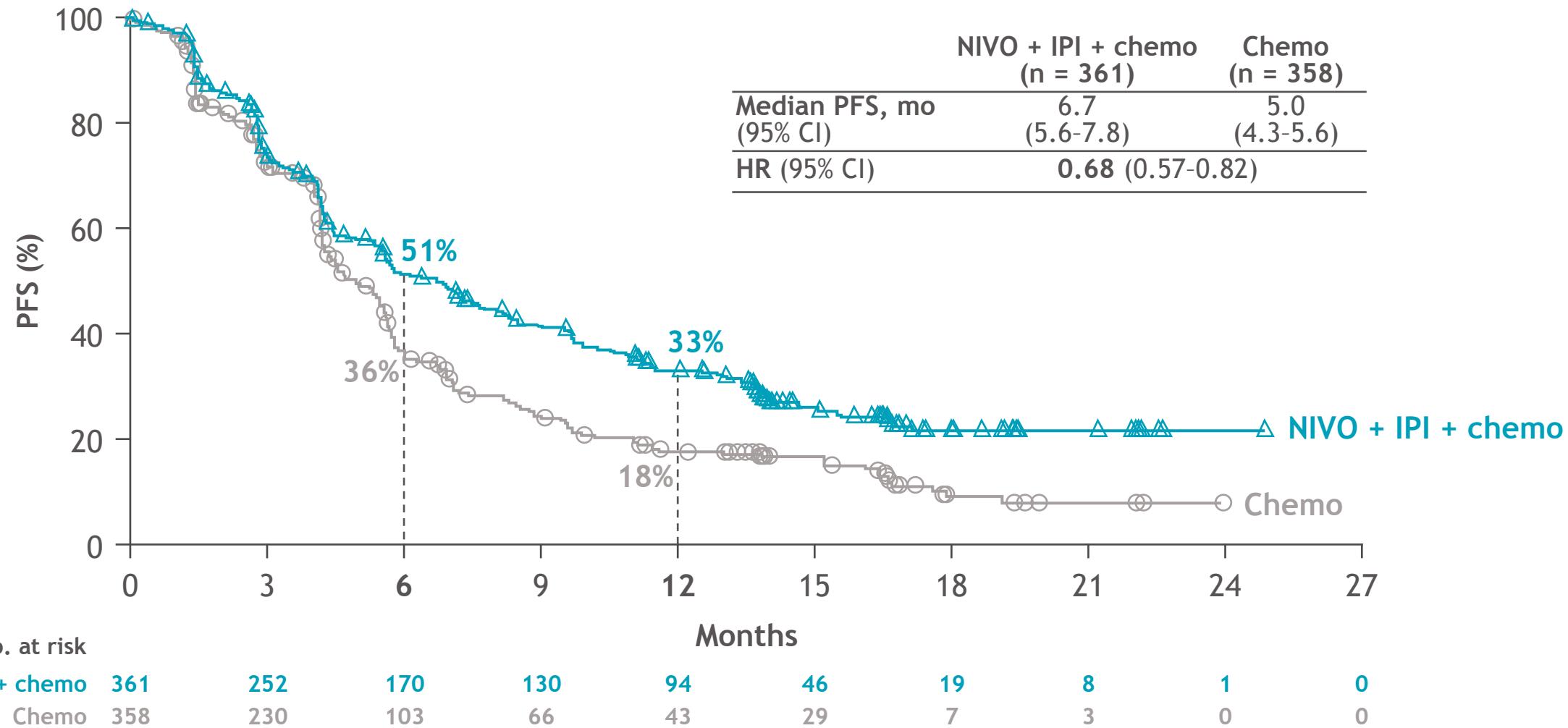
# Overall survival by PD-L1 expression level



Minimum follow-up: 12.7 months.

<sup>a</sup>95% CI.

# Progression-free survival per BICR<sup>a</sup>



<sup>a</sup>Patients who did not progress or die were censored on the date of their last evaluable tumor assessment; those who did not have any study tumor assessments and did not die were censored on their date of randomization; patients without reported progression who went on to receive palliative local therapy or subsequent anti-cancer therapy were censored on the date of their last evaluable tumor assessment prior to starting either therapy.

# Safety summary of TRAEs

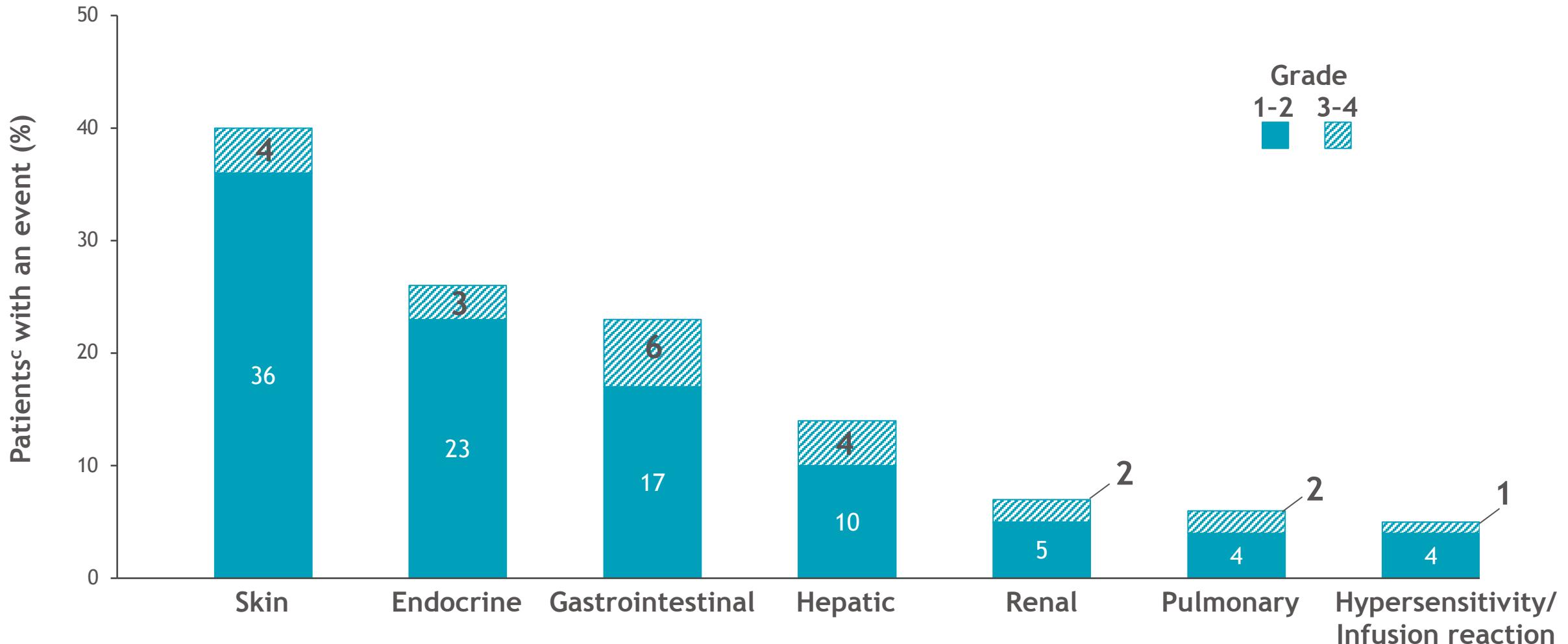
TRAE, <sup>a</sup> %	NIVO + IPI + chemo (n = 358)		Chemo (n = 349)	
	Any grade	Grade 3-4	Any grade	Grade 3-4
Any TRAE	92	47	88	38
TRAEs leading to discontinuation of any component of the regimen	19	16	7	5
Serious TRAEs	30	25.4	18	15
Treatment-related deaths <sup>b</sup>		2		2

- Median (range) duration of therapy was 6.1 (0-23.5) months and 2.4 (0-24.0) months for NIVO + IPI + chemo versus chemo, respectively
- Most common any-grade TRAEs ( $\geq 15\%$ ) were nausea, anemia, asthenia and diarrhea

**Minimum follow-up: 12.2 months.**

<sup>a</sup>Includes events reported between first dose and 30 days after last dose of study drug; <sup>b</sup>Treatment-related deaths in the NIVO + IPI + chemo arm (n = 7; 1 for each event) were due to acute renal failure due to chemotherapy, thrombocytopenia, pneumonitis, hepatic toxicity, hepatitis, diarrhea, sepsis, and acute renal insufficiency; treatment-related deaths in the chemo arm (n = 6; 1 for each event) were due to sepsis, anemia, pancytopenia, respiratory failure, pulmonary sepsis, and febrile neutropenia (1 grade 5 AE was reported [sudden death due to fall] as potentially treatment-related but cause of death was recorded as unknown).

# Treatment-related select AEs with NIVO + IPI + chemo<sup>a,b</sup>



<sup>a</sup>Treatment-related select AEs are those with potential immunologic etiology that require frequent monitoring/intervention; <sup>b</sup>Includes events reported between first dose and 30 days after last dose of study drug; <sup>c</sup>The total number of patients treated with NIVO + IPI + chemo was 358.

## Summary: NIVO + IPI + chemo in first-line advanced NSCLC

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- CheckMate 9LA met its primary endpoint of OS at the pre-planned interim analysis (HR 0.69,  $P = 0.0006$ )
- Clinically meaningful improvement of all efficacy endpoints was observed and increased with longer follow-up
  - With a minimum follow-up of 12 months, OS benefit was further improved (HR 0.66)
- Magnitude of benefit with NIVO + IPI + 2 cycles of chemo vs chemo was consistent across histologies and all PD-L1 expression levels, including PD-L1 < 1% and 1-49% populations
- No new safety signals were observed for NIVO + IPI + 2 cycles of chemo
- With early separation of OS curves and lower PD rates as BOR, the hypothesis for CheckMate 9LA study design was validated
- CheckMate 9LA demonstrated that NIVO + IPI with a limited course of chemo should be considered as a new first-line treatment option for advanced NSCLC

# Phase III KEYNOTE-189: First-line Platinum/Pemetrexed ± Pembrolizumab in Advanced NSCLC

Stratified by PD-L1 TPS (< 1% vs ≥ 1%), cisplatin vs carboplatin, smoking history (never vs former/current)

Patients with untreated stage IV nonsquamous NSCLC; EGFR, ALK neg; ECOG PS 0 or 1; any PD-L1 expression; no prior systemic treatment; no systematic brain metastases (N = 616)

2:1

Cisplatin 75 mg/m<sup>2</sup> or Carboplatin AUC 5 + Pemetrexed 500 mg/m<sup>2</sup> + Pembrolizumab 200 mg Q3W for 4 cycles (n = 410)

Cisplatin 75 mg/m<sup>2</sup> or Carboplatin AUC 5 + Pemetrexed 500 mg/m<sup>2</sup> + Placebo (normal saline) Q3W for 4 cycles (n = 206)

## Maintenance

Pemetrexed 500 mg/m<sup>2</sup> Q3W + Pembrolizumab 200 mg Q3W for up to a total of 35 cycles

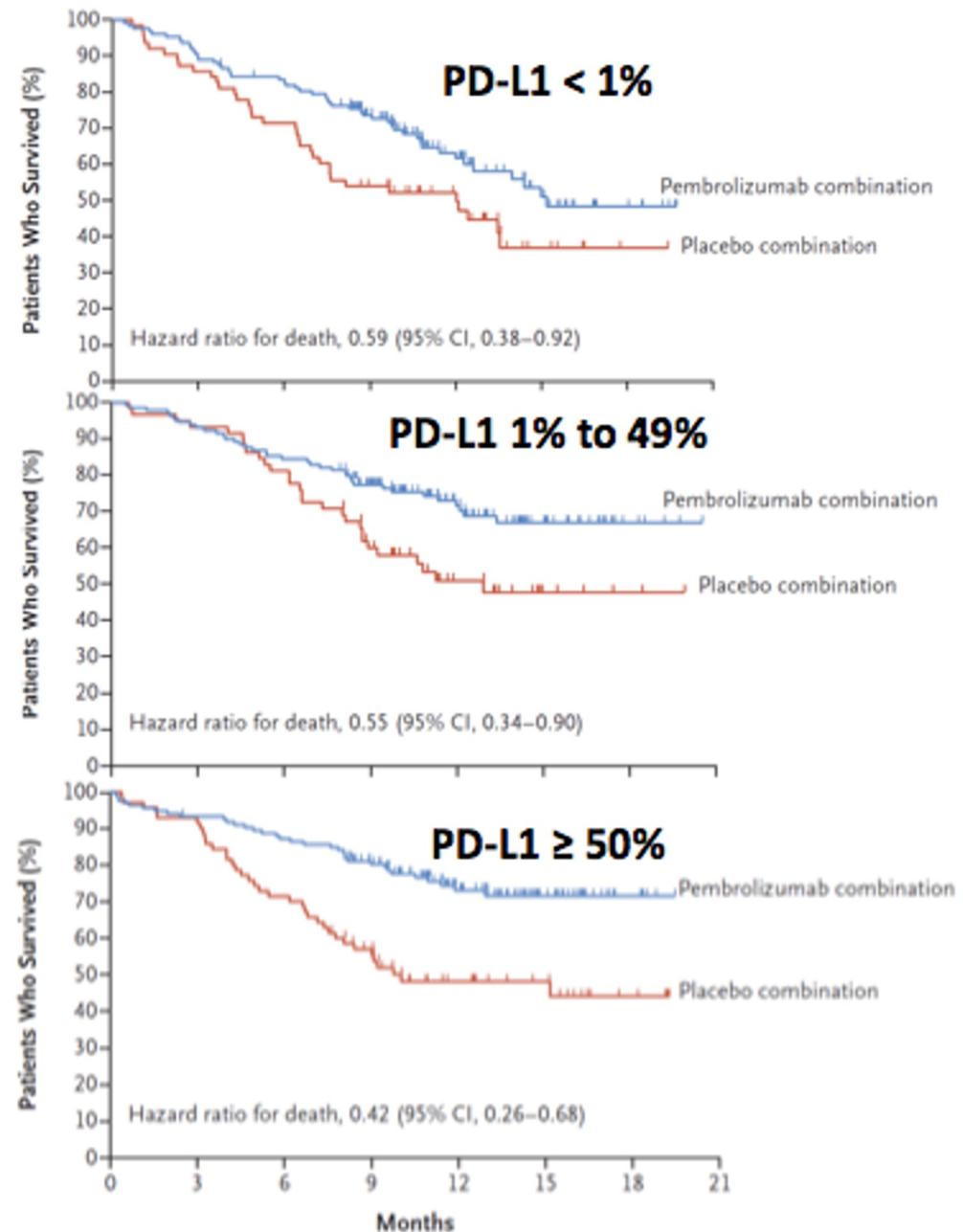
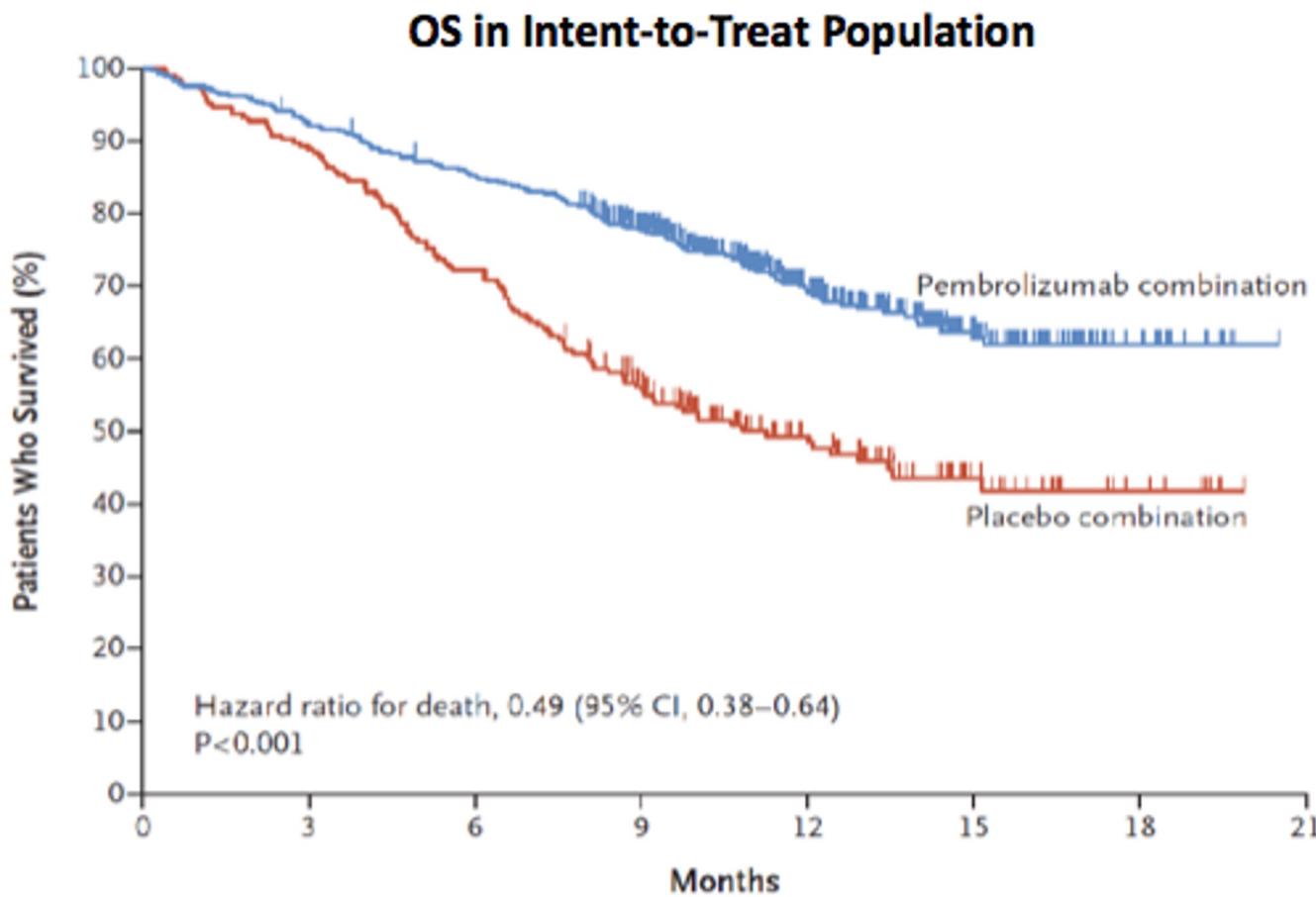
Pemetrexed 500 mg/m<sup>2</sup> + Placebo (normal saline) Q3W for up to a total of 35 cycles

PD ↓

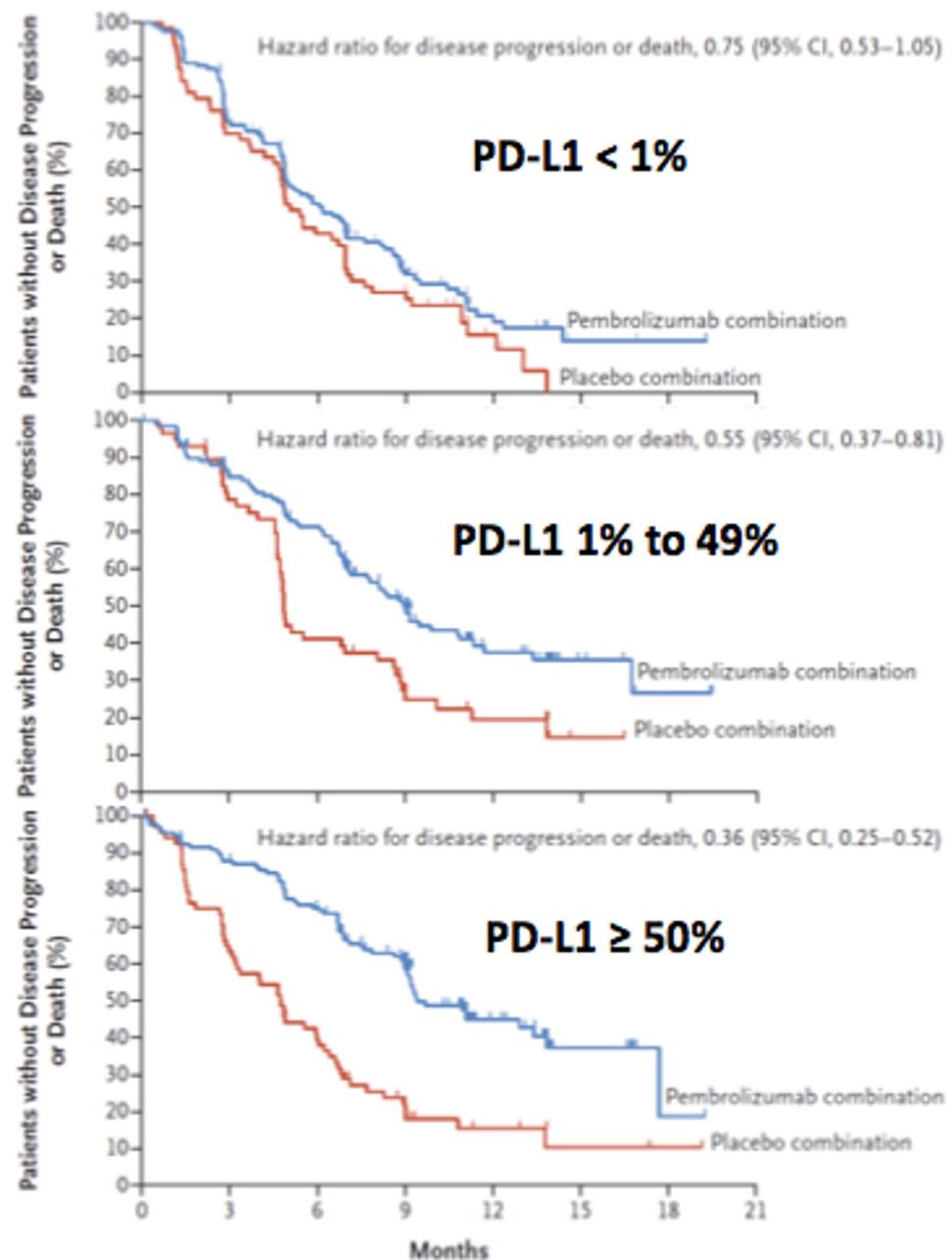
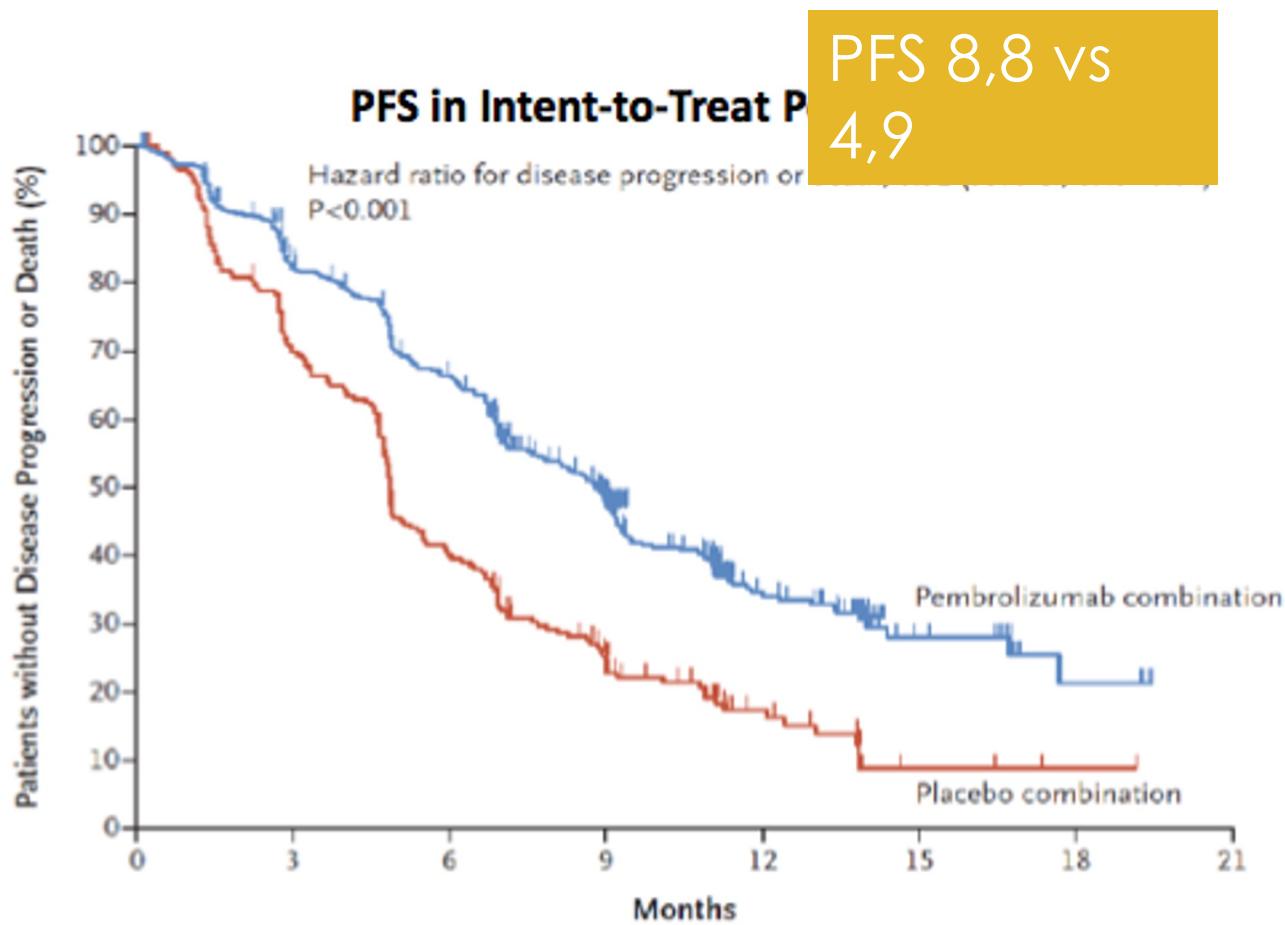
Pembrolizumab 200 mg Q3W for up to a total of 35 cycles

- Primary endpoints: PFS, OS
- Secondary endpoints: ORR, DoR, safety

# KEYNOTE-189: OS



# KEYNOTE-189: PFS



# KEYNOTE-189: Adverse Events

Adverse Event, n (%)	Pembrolizumab/Pemetrexed/ Platinum (n = 405)	Placebo/Pembrolizumab/ Platinum (n = 202)
Any cause	404 (99.8)	200 (99.0)
▪ Grade 3-5	202 (67.2)	133 (65.8)
▪ Resulting in death	27 (6.7)	12 (5.9)
▪ Resulting in discontinuation of all treatment	56 (13.8)	16 (7.9)
▪ Resulting in discontinuation of any treatment	112 (27.7)	30 (14.9)
Immune mediated	92 (22.7)	24 (11.9)
▪ Grade 3-5	36 (8.9)	9 (4.5)
▪ Resulting in death	3 (0.7)	0

# Phase III KEYNOTE-407: First-line Chemotherapy ± Pembrolizumab in Metastatic, Squamous NSCLC

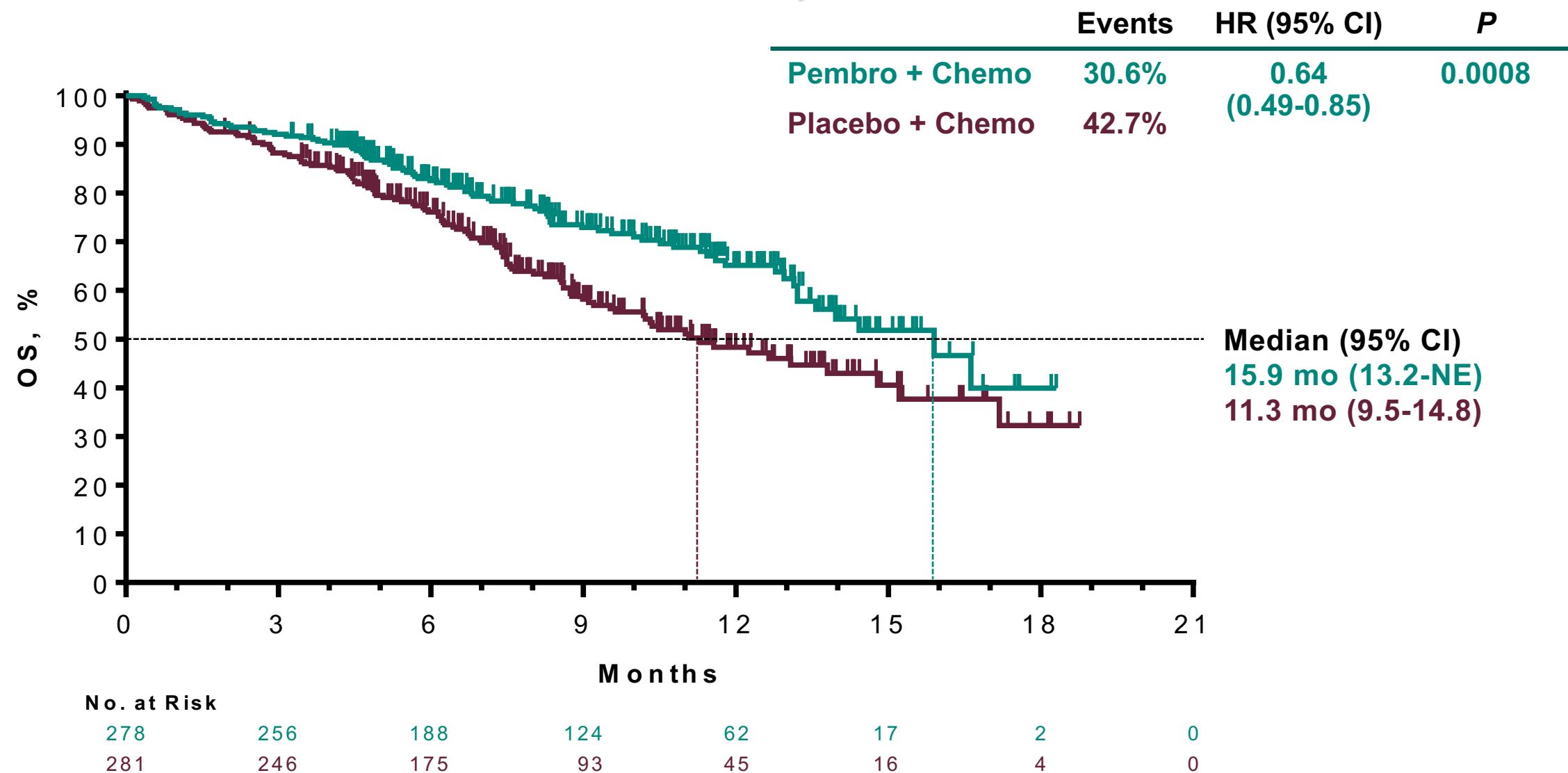
Patients with metastatic squamous NSCLC, ECOG PS 0/1, no prior treatment (planned N = 560)

Pembrolizumab 200 mg Q3W for up to 35 cycles +  
Carboplatin AUC 6 on Day 1 +  
either Paclitaxel 200 mg/m<sup>2</sup> on Day 1  
or *nab*-Paclitaxel 100 mg/m<sup>2</sup> on Days 1, 8, 15  
Q3W x 4 cycles

Placebo Q3W for up to 35 cycles +  
Carboplatin AUC 6 on Day 1  
+ either Paclitaxel 200 mg/m<sup>2</sup> on Day 1  
or *nab*-Paclitaxel 100 mg/m<sup>2</sup> on Days 1, 8, 15  
Q3W x 4 cycles

- Primary endpoints: PFS, OS
- Secondary endpoint: ORR

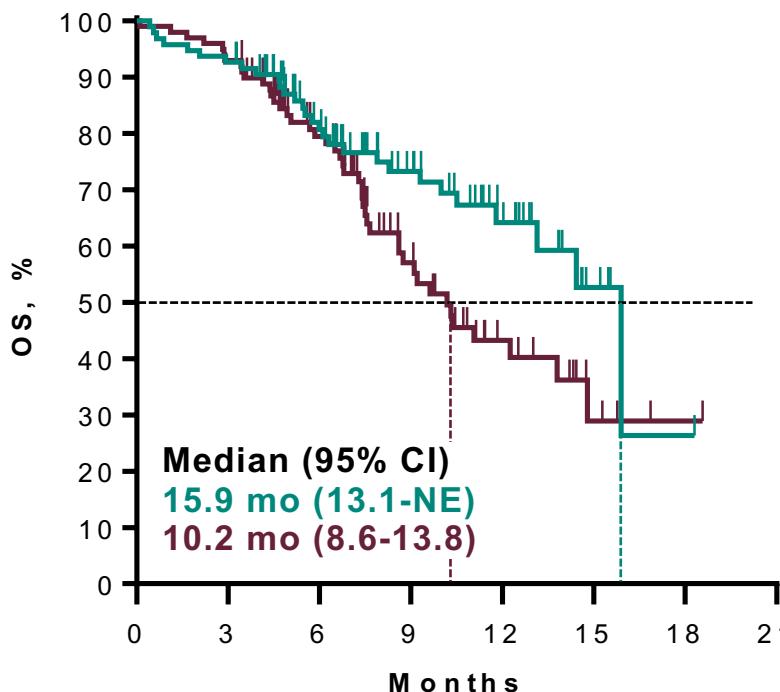
# Overall Survival at IA2, ITT



# Overall Survival at IA2 by PD-L1 TPS

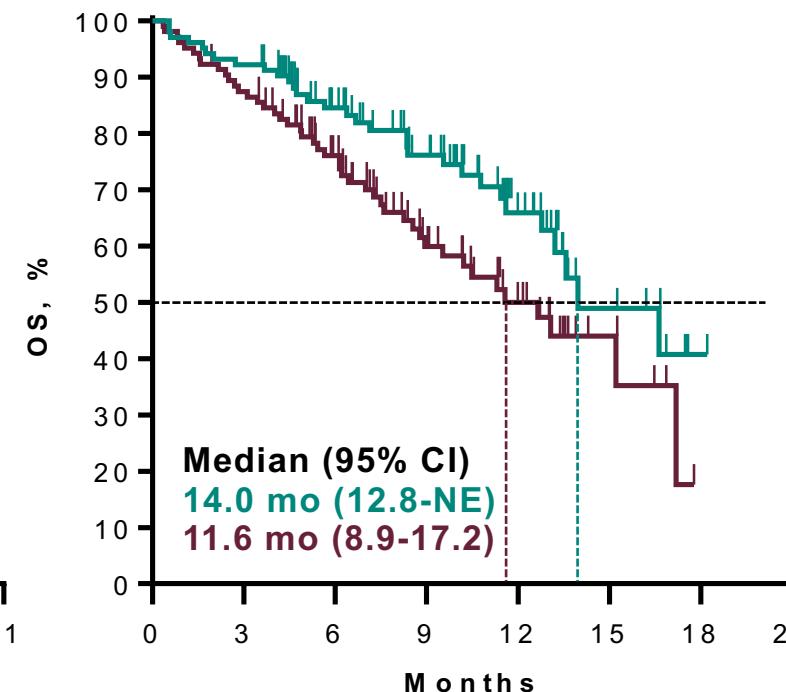
## TPS <1%

	Events	HR (95% CI)
Pembro + Chemo	30.5%	0.61 (0.38-0.98)
Placebo + Chemo	44.4%	



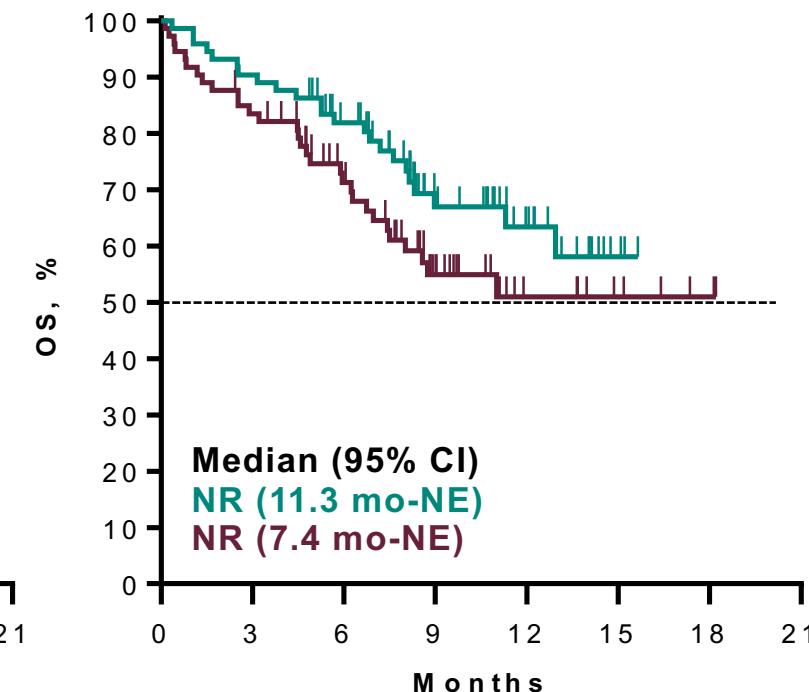
## TPS 1-49%

	Events	HR (95% CI)
Pembro + Chemo	30.1%	0.57 (0.36-0.90)
Placebo + Chemo	43.3%	

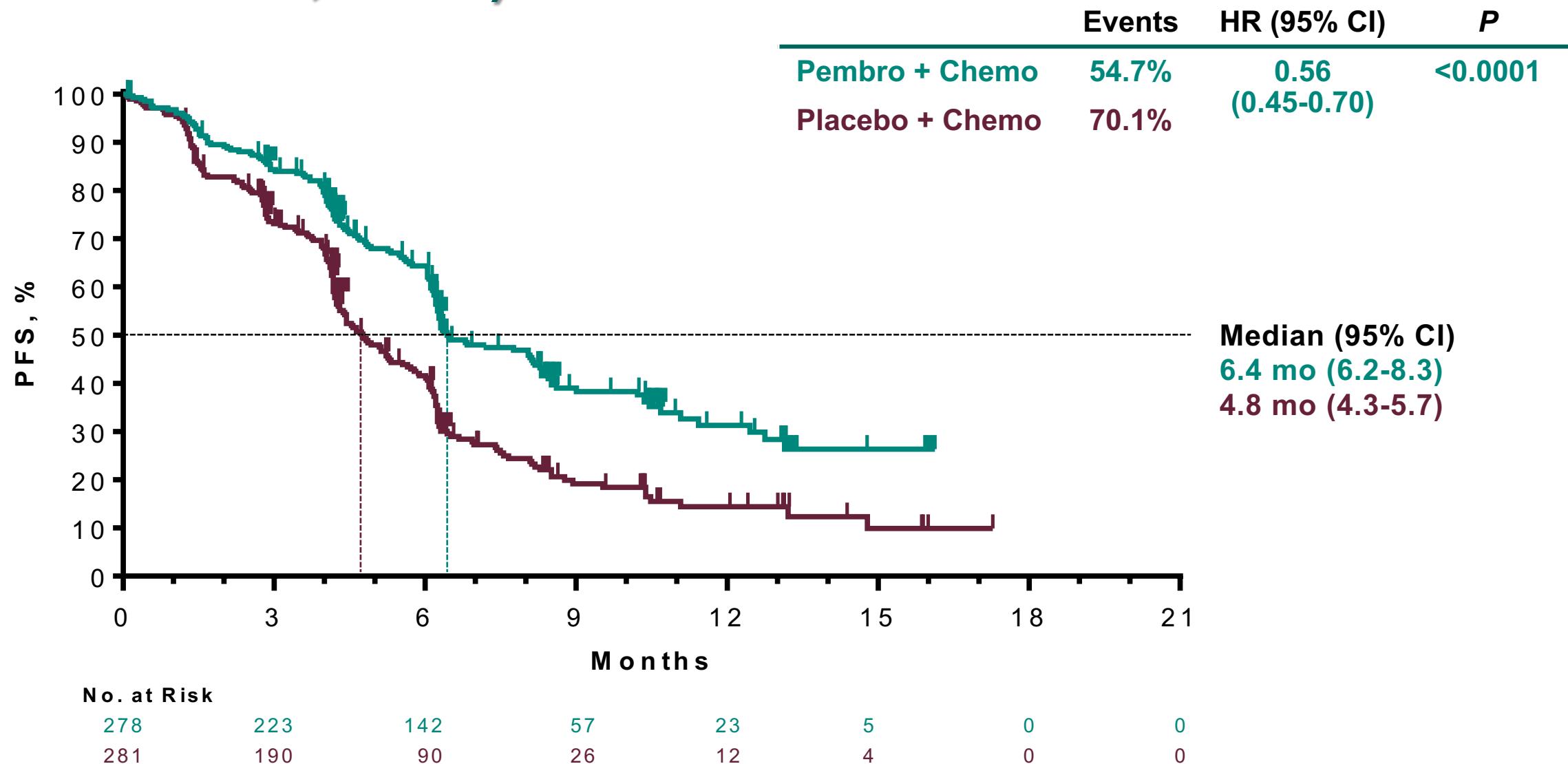


## TPS ≥50%

	Events	HR (95% CI)
Pembro + Chemo	31.5%	0.64 (0.37-1.10)
Placebo + Chemo	41.1%	



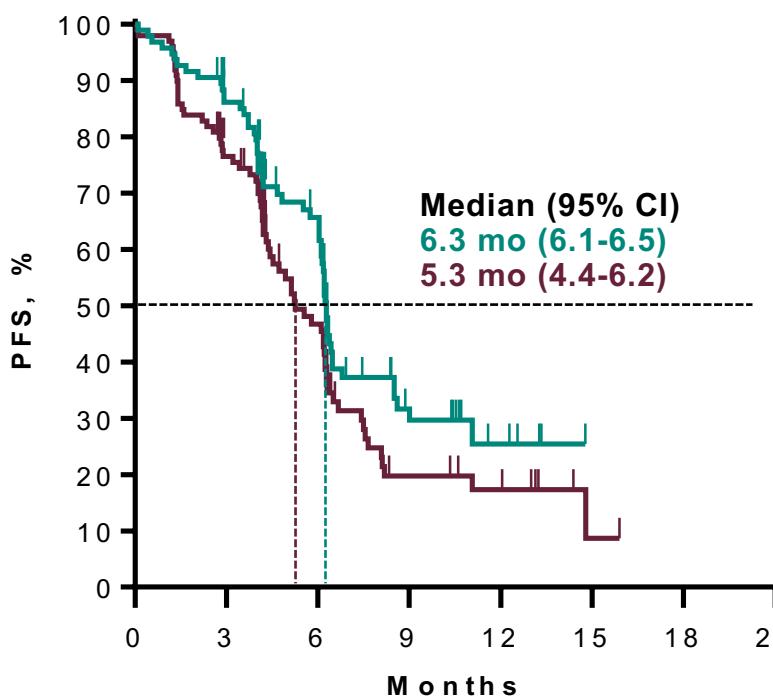
# Progression-Free Survival at IA2, ITT (RECIST v1.1, BICR)



# Progression-Free Survival by PD-L1 TPS (RECIST v1.1, BICR)

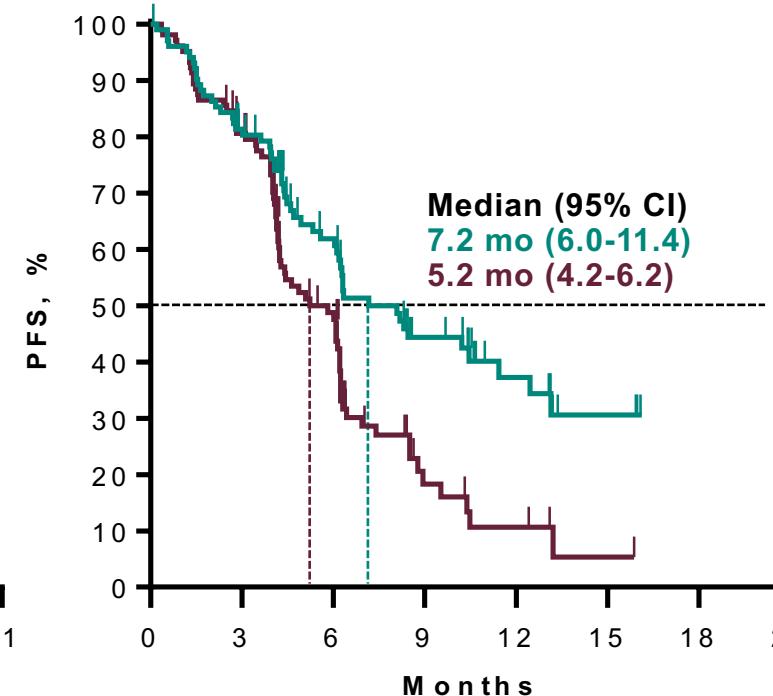
## TPS <1%

	Events	HR (95% CI)
Pembro + Chemo	57.9%	0.68 (0.47-0.98)
Placebo + Chemo	67.7%	



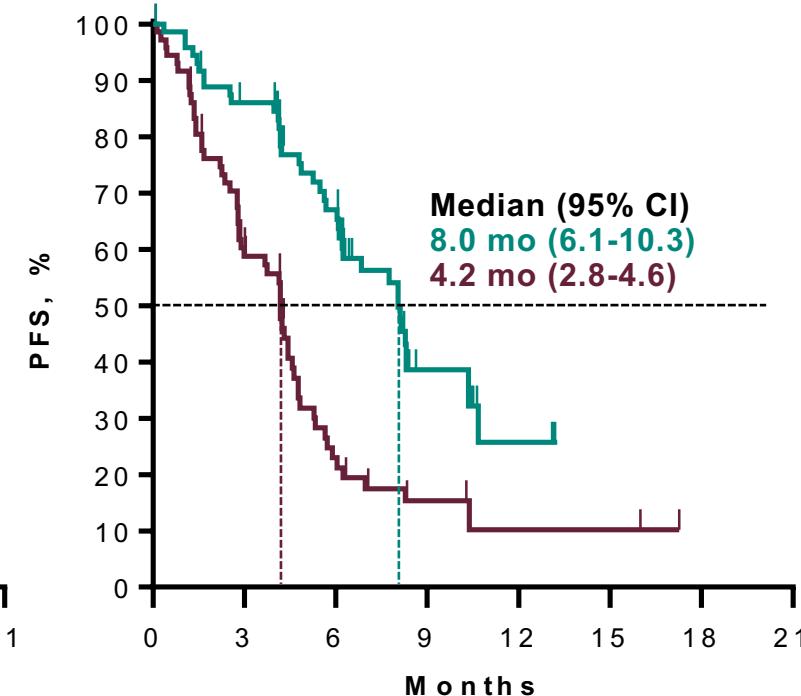
## TPS 1-49%

	Events	HR (95% CI)
Pembro + Chemo	52.4%	0.56 (0.39-0.80)
Placebo + Chemo	70.2%	



## TPS ≥50%

	Events	HR (95% CI)
Pembro + Chemo	53.4%	0.37 (0.24-0.58)
Placebo + Chemo	75.3%	



### No. at Risk

95	78	48	16	5	0	0	0
99	71	35	11	6	1	0	0

### No. at Risk

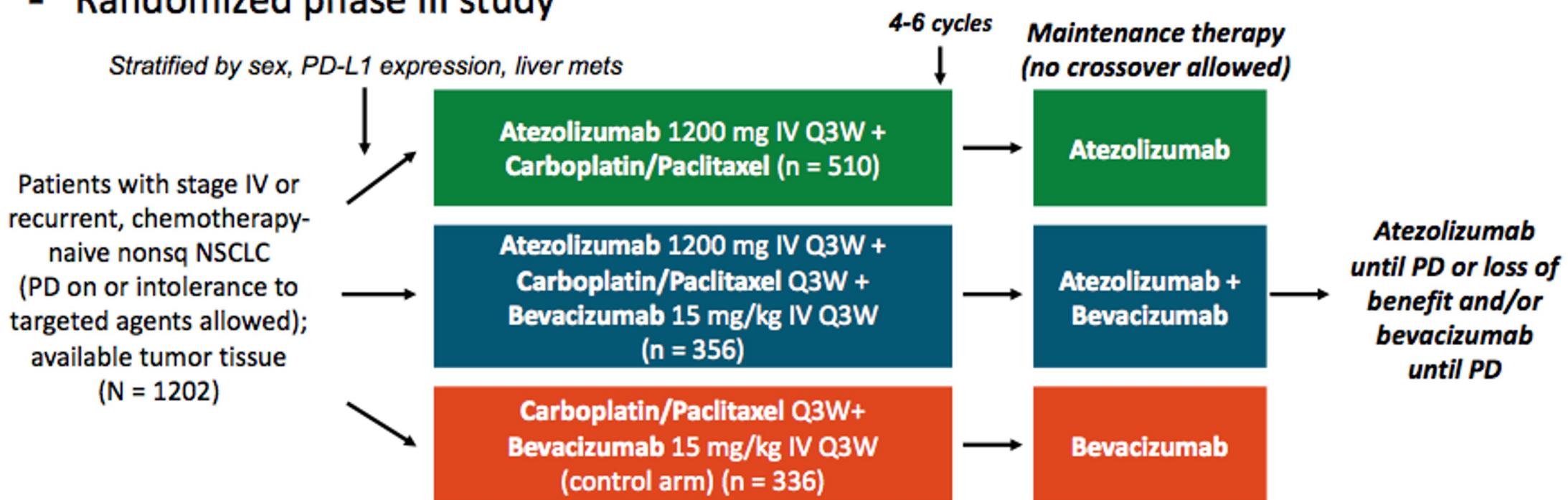
103	79	49	26	13	5	0	0
104	79	40	8	4	1	0	0

### No. at Risk

73	60	41	12	4	0	0	0
73	38	13	5	2	0	0	0

# IMpower150: Addition of Atezolizumab to Carbo/Pac + Bevacizumab in Advanced NSCLC

- Randomized phase III study



- Primary endpoints: PFS, OS
- Secondary endpoints: PFS (IRF), ORR, OS at Yrs 1 and 2, QoL, safety, PK

Reck M, et al. ESMO I-O Congress 2017. Abstract LBA1\_PR.

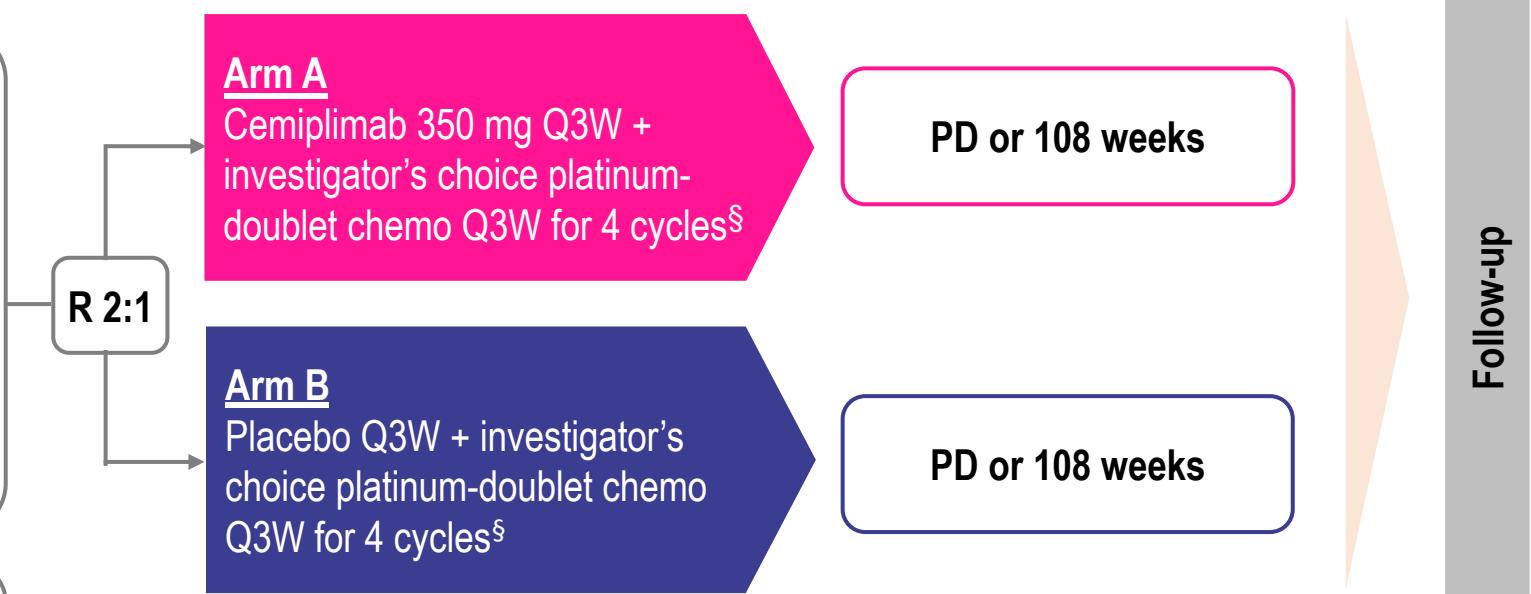
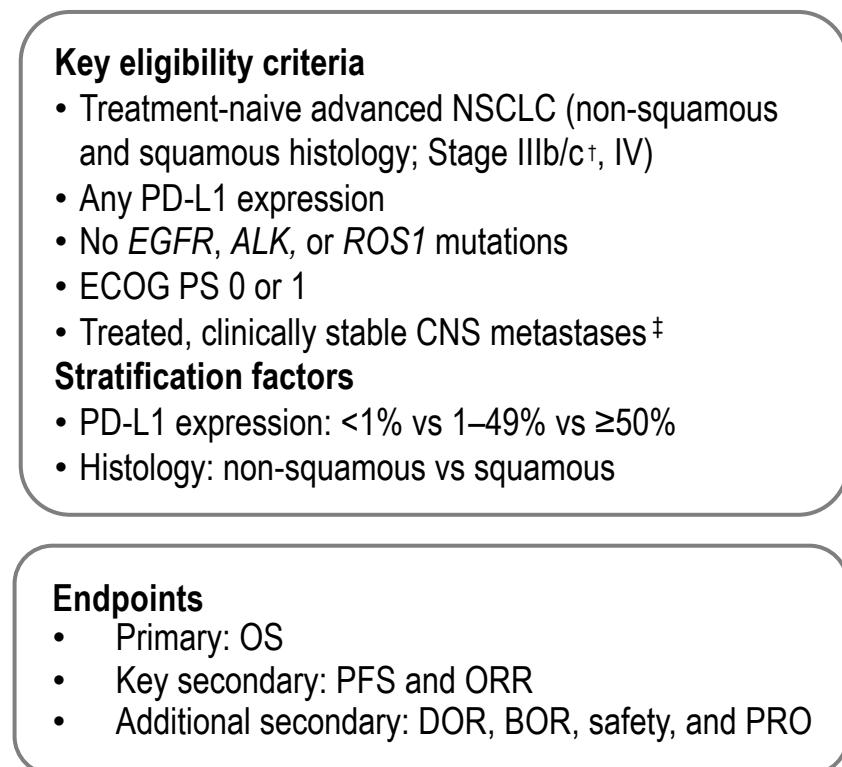
Kowanetz M, et al. AACR 2018. Abstract CT076.



Slide credit: [clinicaloptions.com](https://clinicaloptions.com)

# EMPOWER-Lung 3 (Part 2) Study Design (NCT03409614)

**Background:** Cemiplimab (a high-affinity, fully human anti-PD-1) is approved as first-line monotherapy for advanced NSCLC with PD-L1  $\geq 50\%$  (EMPOWER-Lung 1 Study<sup>1</sup>)



**N=466**

Two interim analyses were prespecified per protocol  
Second interim analysis (14 June 2021) presented here

<sup>†</sup>Patient not a candidate for definitive chemoradiation. <sup>‡</sup>Patient must have neurologically returned to baseline (except for residual signs or symptoms related to the CNS treatment). <sup>§</sup>For patients with non-squamous NSCLC, pemetrexed is mandatory as maintenance therapy for those patients initially assigned to receive a pemetrexed-containing regimen. ALK, anaplastic lymphoma kinase gene; BOR, best overall response; chemo, chemotherapy; CNS, central nervous system; DOR, duration of response; ECOG PS, Eastern Cooperative Oncology Group performance status; EGFR, epidermal growth factor receptor gene; NSCLC, non-small cell lung cancer; ORR, objective response rate; OS, overall survival; PD, progressive disease; PFS, progression-free survival; PRO, patient-reported outcomes; Q3W, every 3 weeks; R, randomised; ROS1, c-ros oncogene 1.  
1. Sezer A et al. Lancet 2021;397:592–604.

# Disposition and Baseline Characteristics

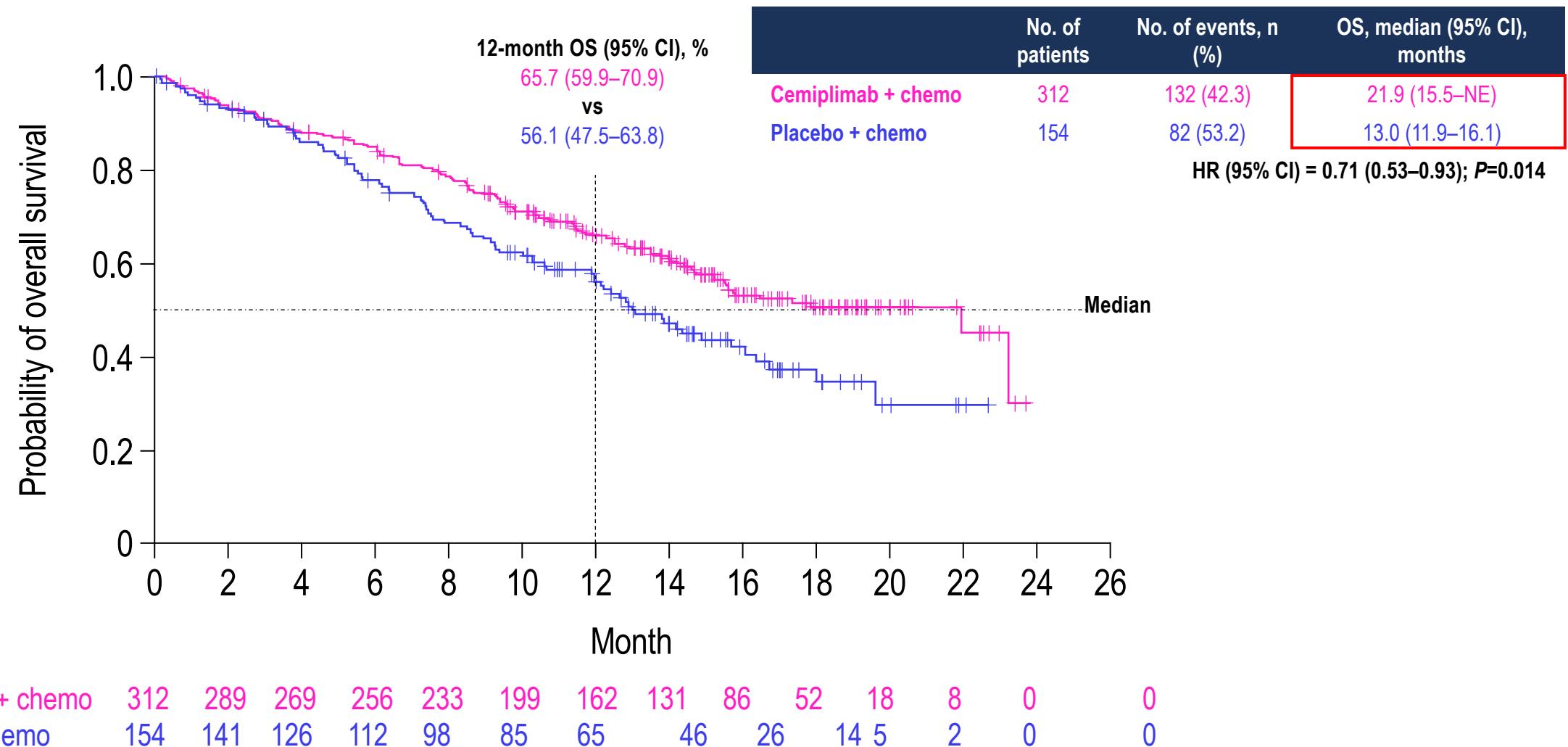
n	Cemiplimab + chemo (n=312)	Placebo + chemo (n=154)
<b>Number of patients treated</b>	312	153
<b>Ongoing treatment</b>	108	15
<b>Discontinued treatment<sup>†</sup></b>	204	138
PD	137	100
Death <sup>‡</sup>	24	10
AE	14	4
Patient decision	13	7
Withdrew consent	8	3
Physician decision	4	1
Lost to follow-up	1	3

	n (%), unless otherwise stated	Cemiplimab + chemo (n=312)	Placebo + chemo (n=154)	Total (n=466)
<b>Age</b>	Median (range), years	63.0 (25–82)	63.0 (34–84)	63.0 (25–84)
	≥65 year	128 (41.0)	60 (39.0)	188 (40.3)
<b>Male</b>		268 (85.9)	123 (79.9)	391 (83.9)
<b>Histology</b>	Non-squamous	179 (57.4)	87 (56.5)	266 (57.1)
	Squamous	133 (42.6)	67 (43.5)	200 (42.9)
<b>PD-L1 expression</b>	<1%	95 (30.4)	44 (28.6)	139 (29.8)
	1–49%	114 (36.5)	61 (39.6)	175 (37.6)
	≥50%	103 (33.0)	49 (31.8)	152 (32.6)
<b>ECOG PS</b>	0	51 (16.3)	18 (11.7)	69 (14.8)
	1	259 (83.0)	134 (87.0)	393 (84.3)
<b>Brain metastases</b>		24 (7.7)	7 (4.5)	31 (6.7)
<b>Cancer stage at screening</b>	Metastatic	267 (85.6)	130 (84.4)	397 (85.2)
	Locally advanced	45 (14.4)	24 (15.6)	69 (14.8)
<b>Smoking history</b>	Current smoker	173 (55.4)	75 (48.7)	248 (53.2)
	Past smoker	96 (30.8)	55 (35.7)	151 (32.4)
	Never smoked	43 (13.8)	24 (15.6)	67 (14.4)

<sup>†</sup>Median duration of exposure (range) was 38.45 (1.4–102.6) weeks for cemiplimab + chemo and 21.30 (0.6–95.0) weeks for placebo + chemo. <sup>‡</sup>Only includes deaths that led to discontinuation of treatment; does not reflect overall death count.

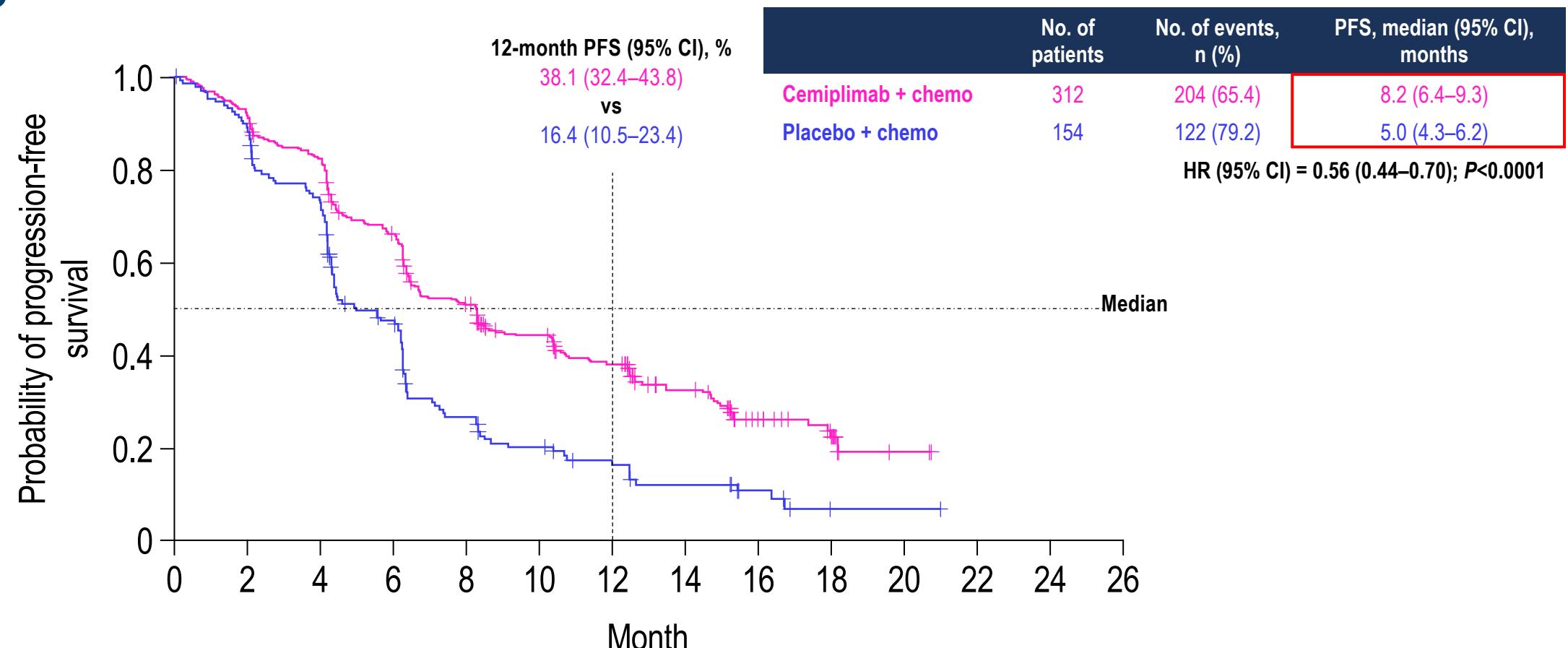
AE, adverse event; chemo, chemotherapy; ECOG PS, Eastern Cooperative Oncology Group performance status; PD, progressive disease; PD-L1, programmed cell death-ligand 1.

# Overall Survival



# Progression-Free Survival

Median duration of follow-up (range): 16.4 (8.5–24.0) months



No. at risk:

Cemiplimab + chemo    312    280    248    194    145    113    90    57    27    15    2    0    0

Placebo + chemo    154    133    106    64    34    24    16    11    6    1    1    0    0

# Conclusions

- In patients with advanced NSCLC, 1L cemiplimab in combination with chemotherapy demonstrated clinically meaningful and statistically significant improvement in OS, PFS, ORR, and DOR versus chemotherapy alone.
  - OS (primary endpoint): median 21.9 vs 13.0 months; HR, 0.71 (95% CI, 0.53–0.93);  $P=0.014$
  - PFS: median 8.2 vs 5.0 months; HR, 0.56 (95% CI, 0.44–0.70);  $P<0.0001$
  - ORR: odds ratio, 2.68 (95% CI, 1.72–4.19);  $P<0.0001$
- Cemiplimab in combination with chemotherapy demonstrated an acceptable benefit-risk profile, favourable PROs, low rates of AEs leading to discontinuation, and a safety profile generally consistent with those known for cemiplimab and for platinum-based chemotherapy.
- Cemiplimab in combination with platinum-doublet chemotherapy is a new 1L treatment option for patients with advanced NSCLC without targetable mutations irrespective of histology and PD-L1 levels.

# Adenocarcinom Andra linjens behandling

- Om Cyto+Immun i 1:a
  - Docetaxel,
  - Pemetrexed,
  - Vinorelbin,
  - Gemcitabine
  - Nab-Paclitaxel
- Om Cyto i 1:a
  - Immun (om PDL1 1 eller mer)
  - Cyto; (om PDL1<1) Docetaxel, Vinorelbin, Gemcitabine, Nab-Pac

# Skivepitel Andra linjen

- Om Cyto+Immun i 1:a
  - Docetaxel
  - Gemcitabine
  - Vinorelbine
  - Nab-paclitaxel
- Om Cyto i 1:a
  - Immun; Nivo, Atezo
  - Cyto; Docetaxel, Vinorelbine, Nab-paclitaxel

# NSCLC Tredje linjen

- Cyto alt Immun som inte givits tidigare

# NSCLC Progress CNS metastaser

- Om Radioterapi givits tidigare
- Temozolomide

