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| <1% niv+ipi | 1.13 (0.86, 1.46) | 0.93 (0.58, 1.51) | 1.02 (0.75, 1.4) | 0.97 (0.67, 1.41) | 0.93 (0.66, 1.31) | 1.00 (0.58, 1.71) | 1.30 (0.88, 1.86) | 1.41 (0.92, 2.16) | 1.17 (0.82, 1.64) | 0.91 (0.57, 1.48) | 1.50 (1.15, 1.96) |
| 1.01 (0.79, 1.28) | <1% plaCT+ICI | 0.82 (0.54, 1.28) | 0.90 (0.73, 1.14) | 0.86 (0.64, 1.17) | 0.82 (0.63, 1.09) | 0.89 (0.54, 1.46) | 1.15 (0.85, 1.54) | 1.25 (0.88, 1.83) | 1.04 (0.79, 1.35) | 0.81 (0.53, 1.26) | 1.33 (1.16, 1.55) |
| 1.00 (0.64, 1.55) | <1% plaCT+niv+ipi | | 1.10 (0.71, 1.70) | 1.04 (0.64, 1.68) | 1.00 (0.62, 1.60) | 1.08 (0.57, 2.00) | 1.40 (0.85, 2.23) | 1.52 (0.9, 2.59) | 1.26 (0.78, 1.98) | 0.99 (0.56, 1.75) | 1.62 (1.08, 2.42) |
| 1.03 (0.77, 1.36) | | 1.03 (0.69, 1.53) | ≥50%: ICI | 0.94 (0.73, 1.23) | 0.91 (0.68, 1.20) | 0.98 (0.59, 1.60) | 1.27 (0.92, 1.70) | 1.38 (0.95, 2.01) | 1.14 (0.85, 1.49) | 0.89 (0.58, 1.39) | 1.47 (1.24, 1.73) |
| 1.21 (0.85, 1.70) | | 1.22 (0.78, 1.89) | 1.18 (0.93, 1.50) | ≥50%: niv+ipi | 0.96 (0.68, 1.36) | 1.04 (0.60, 1.77) | 1.34 (0.91, 1.91) | 1.47 (0.96, 2.25) | 1.21 (0.84, 1.69) | 0.95 (0.58, 1.53) | 1.55 (1.19, 2.01) |
| 1.71 (1.26, 2.31) | 1.70 (1.37, 2.09) | 1.71 (1.15, 2.58) | 1.66 (1.32, 2.11) | 1.41 (1.05, 1.90) | ≥50%: plaCT+ICI | 1.08 (0.63, 1.82) | 1.40 (0.98, 1.96) | 1.53 (1.02, 2.30) | 1.26 (0.90, 1.74) | 0.99 (0.62, 1.57) | 1.62 (1.29, 2.05) |
| 1.16 (0.71, 1.91) | 1.16 (0.74, 1.81) | 1.17 (0.66, 2.06) | 1.14 (0.72, 1.80) | 0.96 (0.59, 1.58) | 0.68 (0.43, 1.08) | ≥50%: plaCT+niv+ipi | 1.30 (0.75, 2.21) | 1.41 (0.80, 2.54) | 1.17 (0.69, 1.97) | 0.91 (0.49, 1.70) | 1.50 (0.94, 2.43) |
| NA | NA | NA | NA | NA | NA | NA | 1-49%: ICI | 1.09 (0.72, 1.70) | 0.90 (0.61, 1.27) | 0.71 (0.44, 1.16) | 1.16 (0.90, 1.53) |
| NA | NA | NA | NA | NA | NA | NA | NA | 1-49%: niv+ipi | 0.83 (0.54, 1.22) | 0.65 (0.38, 1.09) | 1.06 (0.75, 1.48) |
| 1.19 (0.88, 1.59) | 1.18 (0.97, 1.44) | 1.19 (0.81, 1.80) | 1.16 (0.93, 1.45) | 0.98 (0.73, 1.32) | 0.70 (0.55, 0.85) | 1.02 (0.65, 1.61) | NA | NA | 1-49%: plaCT+ICI | 0.78 (0.49, 1.25) | 1.28 (1.03, 1.63) |
| 1.03 (0.65, 1.60) | 1.02 (0.68, 1.51) | 1.03 (0.61, 1.74) | 1.00 (0.67, 1.50) | 0.85 (0.54, 1.33) | 0.60 (0.40, 0.91) | 0.88 (0.50, 1.57) | NA | NA | 0.86 (0.57, 1.29) | 1-49%: plaCT+niv+ipi | 1.64 (1.09, 2.46) |
| 0.71 (0.55, 0.90) | 0.70 (0.62, 0.79) | 0.71 (0.49, 1.03) | 0.69 (0.59, 0.80) | 0.58 (0.46, 0.74) | 0.41 (0.35, 0.50) | 0.61 (0.40, 0.94) | NA | NA | 0.59 (0.51, 0.70) | 0.69 (0.47, 1.00) | plaCT |

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| ≥50%: ICI | 1.29 (0.89, 1.78) | 1.50 (1.24, 1.80) | 1.12 (0.84, 1.49) | 0.88 (0.65, 1.2) | 1.26 (0.92, 1.66) |
| NA | 1-49%: ICI | | 1.16 (0.89, 1.58) | 0.87 (0.62, 1.27) | 0.69 (0.48, 1.02) |
| 0.69 (0.49, 0.98) | NA | chemotherapy | 0.75 (0.60, 0.93) | 0.59 (0.47, 0.75) | 0.84 (0.66, 1.04) |
| 0.76 (0.47, 1.28) | NA | 1.10 (0.78, 1.60) | Prior+chem <1%: ICI | 0.79 (0.57, 1.10) | 1.12 (0.81, 1.52) |
| 1.25 (0.68, 2.35) | NA | 1.82 (1.10, 3.03) | 1.66 (0.88, 3.05) | Prior+chem ≥50%: ICI | 1.42 (1.00, 1.95) |
| 0.89 (0.39, 2.06) | NA | 1.30 (0.61, 2.73) | 1.18 (0.51, 2.69) | 0.71 (0.29, 1.74) | Prior+chem 1-49%: ICI |

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|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------|--------------------------|--------------------------|-------------------|-------------------------|-------------------------|--------------------------|
| <1% niv+ipi | 1.12 (0.82, 1.52) | 0.94 (0.54, 1.62) | 1.21 (0.63, 2.35) | 1.06 (0.63, 1.76) | 0.92 (0.63, 1.37) | 1 (0.55, 1.81) | 1.41 (0.86, 2.36) | 1.16 (0.77, 1.71) | 0.92 (0.53, 1.6) | 1.5 (1.11, 2.05) |
| 1.01 (0.83, 1.24) | <1%: plaCT+ICI | 0.83 (0.52, 1.37) | 1.08 (0.59, 2.01) | 0.94 (0.61, 1.47) | 0.82 (0.62, 1.11) | 0.89 (0.52, 1.53) | 1.26 (0.82, 1.97) | 1.03 (0.76, 1.38) | 0.82 (0.5, 1.34) | 1.34 (1.14, 1.6) |
| 1.01 (0.69, 1.44) | <1%: plaCT+niv+ipi | | 1.3 (0.62, 2.74) | 1.13 (0.61, 2.08) | 0.99 (0.59, 1.67) | 1.07 (0.53, 2.12) | 1.51 (0.82, 2.79) | 1.24 (0.73, 2.06) | 0.98 (0.51, 1.89) | 1.61 (1.02, 2.54) |
| 0.91 (0.6, 1.4) | | 0.91 (0.56, 1.47) | ≥50%: ICI | 0.87 (0.58, 1.31) | 0.76 (0.4, 1.43) | 0.82 (0.38, 1.78) | 1.17 (0.58, 2.38) | 0.96 (0.5, 1.78) | 0.76 (0.36, 1.59) | 1.24 (0.69, 2.23) |
| 1.14 (0.82, 1.64) | 1.14 (0.85, 1.52) | 1.14 (0.75, 1.72) | 1.25 (0.97, 1.61) | ≥50%: niv+ipi | 0.88 (0.55, 1.41) | 0.94 (0.49, 1.82) | 1.34 (0.75, 2.39) | 1.1 (0.67, 1.75) | 0.87 (0.47, 1.61) | 1.42 (0.95, 2.15) |
| 1.73 (1.33, 2.25) | 1.72 (1.41, 2.05) | 1.73 (1.22, 2.41) | 1.9 (1.26, 2.83) | 1.51 (1.1, 2.07) | ≥50%: plaCT+ICI | 1.07 (0.6, 1.89) | 1.53 (0.95, 2.45) | 1.25 (0.87, 1.75) | 0.99 (0.59, 1.67) | 1.62 (1.27, 2.08) |
| 1.17 (0.73, 1.83) | 1.16 (0.77, 1.73) | 1.17 (0.7, 1.88) | 1.28 (0.74, 2.16) | 1.02 (0.63, 1.63) | 0.68 (0.44, 1.03) | ≥50%: plaCT+niv+ipi | 1.42 (0.74, 2.74) | 1.17 (0.65, 2.04) | 0.92 (0.46, 1.85) | 1.51 (0.9, 2.53) |
| NA | NA | NA | NA | NA | NA | NA | 1-49%: niv+ipi | 0.82 (0.5, 1.29) | 0.65 (0.35, 1.19) | 1.06 (0.71, 1.59) |
| 1.19 (0.93, 1.53) | 1.18 (1, 1.41) | 1.19 (0.84, 1.66) | 1.3 (0.88, 1.94) | 1.04 (0.78, 1.42) | 0.69 (0.56, 0.86) | 1.02 (0.67, 1.58) | NA | 1-49%: plaCT+ICI | 0.79 (0.47, 1.35) | 1.3 (1.02, 1.68) |
| 1.03 (0.71, 1.52) | 1.02 (0.73, 1.44) | 1.03 (0.66, 1.6) | 1.13 (0.69, 1.84) | 0.9 (0.59, 1.37) | 0.59 (0.42, 0.87) | 0.88 (0.53, 1.51) | NA | 0.86 (0.61, 1.24) | 1-49%: plaCT+niv+ipi | 1.64 (1.03, 2.61) |
| 0.71 (0.58, 0.88) | 0.71 (0.64, 0.78) | 0.71 (0.52, 0.96) | 0.78 (0.54, 1.12) | 0.62 (0.47, 0.82) | 0.41 (0.35, 0.48) | 0.61 (0.41, 0.91) | NA | 0.6 (0.52, 0.69) | 0.69 (0.5, 0.95) | plaCT |