# Incidence of Platinum-Resistant, Stage III/IV Ovarian Cancer Patients in the US: A Mixed Source Estimation Approach

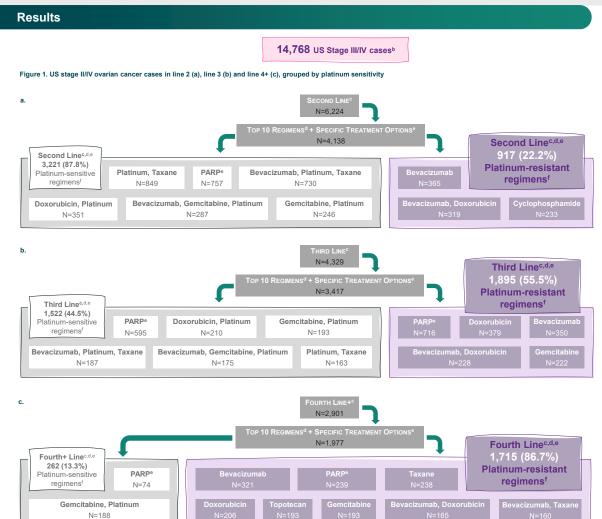
**OCON** 

Kumar D,<sup>1</sup> Fossati S,<sup>2</sup> Toppi K,<sup>1</sup> Dalén J,<sup>3</sup> Schweikert B<sup>4</sup>

<sup>1</sup>ICON plc, Blue Bell, MPA, USA; <sup>2</sup>ICON plc, Barcelona, Spain;

<sup>3</sup>ICON plc, Stockholm, Sweden; <sup>4</sup>ICON plc, Frankfurt, Germany

## Results Introduction Ovarian cancer is one of the most common cancers in women, and the prevailing cause of death from gynecological malignancies in the Western world.1 23.820 Ovarian cancer incident cases<sup>1</sup> There is a lack of incidence data for platinumresistant ovarian cancer, for which effective treatments **Objectives** Second Linec,d,e 3,221 (87.8%) cancer patients in the US, stratified Platinum-sensitive by platinum-resistance, across regimens treatment lines 2 to 4 in 2023 N=351 Methods **US Ovarian** b. US Stage Cancer III/IV cases<sup>b</sup> Incidence Third Linec,d,e 1 522 (44 5%) Platinum-sensitive regimensf N=187 resistant by linef a) Obtained from the IARC GOC website (reference year b) Obtained by multiplying the number of US incident cases in 2020 by the percentage of Stage III/IV cases from Hurry et al. 2021 (Canadian data from 2010-2018)<sup>2</sup> Fourth+ Linec,d,e c) Obtained by multiplying the number of Stage III/IV cases 262 (13.3%) by the percentage of treated in line III and IV from Platinum-sensitive Beachler et al. 2020 (from 2010-2018)3 d) The distribution of top 10 regimens by line from ICON's regimensf US claims database was applied to the number of treated stage III/IV cancer



# Key results

Estimated platinum-resistant regimens, by line:

- 22.2% of regimens in line 2
- 55.5% of regimens in line 3
- 86.7% of regimens in line 4+

## Conclusions

By applying an approach based on a mix of proprietary, publicly available, and published data, this study provided an estimate of the numbers of stage III/IV ovarian cancer patients treated by line in 2023 in the US, stratified by platinum resistance. The results showed an increase in the proportion of platinum-resistant patients from line 2 to 4+.

#### Limitations

- Time frames of the different sources did not always completely match
- In claims database treatments that are not reimbursed tend to be missed, leading to underestimation
- In ICON's US claims database the categorization of line of treatment was based on algorithms
- Restricting the analysis to the top ten regimens might limit comprehensiveness while avoiding frangmentation

#### References

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#### Abbreviations

GCO Global Cancer Observatory
IARC International Agency for Research on Cancer
PARP PARP inhibitors
IS United states

#### Acknowledgements

We would like to acknowledge Dr. Shady Gendy for sharing his expertise and support in bridging the clinical treatment guidelines and observations in RWD population.

e) The number of patients treated with specific treatment options (i.e. PARP) was calculated based on

regimens was obtained by summing the number from all

f) The number of platinum-resistant (and -sensitive)

Datamonitor 2022 data.

corresponding regimens