# Breast Cancer in Syria: An Epidemiological Analysis from the Country's Main Cancer Center

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## Introduction

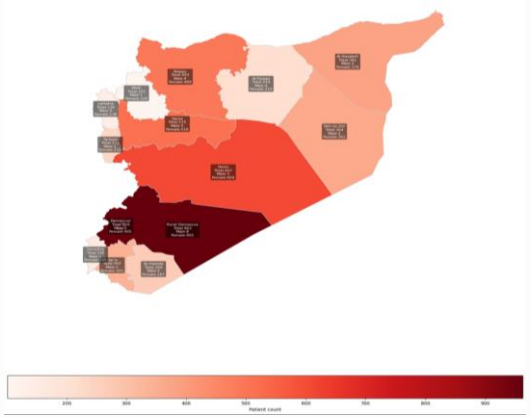
Epidemiological data on Breast Cancer in conflict-affected regions such as Syria are severely limited. Our study aims to fill in the gap in data by evaluating the demographics of Syrian breast cancer patients over a three-year period.

## Methodology

This is a retrospective epidemiological study conducted at Al-Bairouni University Hospital – Syria's national cancer center serving 60-70% of the country's cancer patients. We included all patients diagnosed with breast cancer (BC) between Jan 2022 - Dec 2024. Data extracted from hospital records included sex, age at diagnosis, cancer stage, smoking status, and governorate of residence.

## Results

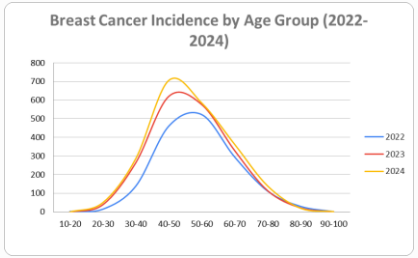
A total of 5630 were diagnosed with breast cancer during the study period: 1513 in 2022, 1964 in 2023, and 2153 in 2024 (Table 1). Across all years, a consistent female predominance was observed (99.3%).



## Conclusion

To our knowledge, this study provides the first comprehensive multi-year dataset of breast cancer in Syria, with representation from all 14 governorates in the country.

| | 2022 | 2023 | 2024 | Total | Average Age | Sex | Smokers (%) | Advanced |
|---|---|---|---|---|---|---|---|---|
| IDC | 1274 | 1733 | 1905 | 4912 | 51.1 | 4878 F \ 35 M | 22.05% | 56.44% |
| ILC | 220 | 208 | 215 | 643 | 50.9 | 641 F \ 2 M | 22.86% | 68.91% |
| Others | 19 | 23 | 33 | 75 | 49.4 | 73 F \ 2 M | 17.33% | 51.72% |




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**References**

Simaan, S., & Al Jerf, F. A. (2018). Cancer in Syria (magnitude of the problem). *International Journal of Cancer and Treatment, 1*(1), 10–15

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