

The Prevalence of Breast Cancer in Iran

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Breast cancer is the most common cancer among women in developed countries and in some developing countries [1, 2]. Breast cancer is the most second cancer among Iranian women. Following information is based on Cancer registry of Iran. The incidence rate of breast cancer in Tehran from 1998 to 2001 was estimated to be 17.09 (95 %CI: 15.67-18.50) per 100,000 women [3]. The data from East Azerbaijan revealed that between 2015-2016 years 681 (24.8% of the cancer population) cases had breast cancer which was the main cancer among female in this province with ASR 31.1 [4]. In another study in East Azerbaijan from 2003-2005 the rate of breast cancer was 48.4% (902 cases) [5]. A study in Golestan province in 2004 showed that the prevalence of breast cancer was 19.25% among all other cancers [6]. In a study in Ardabil, during the study period, 2003-2010, 469 cases of breast cancer were documented in the cancer registry unit [5]. Another study from 2003-2008 in Ardabil demonstrated that 161 cases were registered for breast cancer [7]. A study was conducted in Mazandaran province of Iran in 2004 which showed a 250 biopsy proven cases of breast cancer [8]. A study in Fars province revealed that according to cancer registry in Fars province, Southern Iran, 1148 women diagnosed with breast cancer between 2000 and 2005 [9]. According to a study in North Khorasan from 2005-2009 showed that breast cancer is the second cancer among the women (10.33%) had an increasing trend until 2008, but after it was dropped. So, the Age-Standardized Incidence Rates (ASIR) in 2005, 2008 and 2009 were 9.21, 20.08, 11.39 for breast cancer [10].

REFERENCES

1. Fisch T, Pury P, Probst N, Bordoni A, Bouchardey C, Frick H, et al. Variation in survival after diagnosis of breast cancer in Switzerland. *Ann Oncol.* 2005;16(12):1882-8. DOI: [10.1093/annonc/mdi404](https://doi.org/10.1093/annonc/mdi404) PMID: [16216833](https://pubmed.ncbi.nlm.nih.gov/16216833/)
2. Kim KJ, Huh SJ, Yang JH, Park W, Nam SJ, Kim JH, et al. Treatment results and prognostic factors of early breast cancer treated with a breast conserving operation and radiotherapy. *Jpn J Clin Oncol.* 2005;35(3):126-33. DOI: [10.1093/jjco/hyi039](https://doi.org/10.1093/jjco/hyi039) PMID: [15741302](https://pubmed.ncbi.nlm.nih.gov/15741302/)
3. Mousavi SM, Mohagheghi MA, Mousavi-Jerrahi A, Nahvijou A, Seddighi Z. Burden of breast cancer in Iran: a study of the Tehran population based cancer registry. *Asian Pac J Cancer Prev.* 2006;7(4):571-4. PMID: [17250429](https://pubmed.ncbi.nlm.nih.gov/17250429/)
4. Somi MH, Dolatkah R, Sepahi S, Belalzadeh M, Sharbafi J, Abdollahi L, et al. Cancer incidence in the East Azerbaijan province of Iran in 2015-2016: results of a population-based cancer registry. *BMC Public Health.* 2018;18(1):1266. DOI: [10.1186/s12889-018-6119-9](https://doi.org/10.1186/s12889-018-6119-9) PMID: [30453968](https://pubmed.ncbi.nlm.nih.gov/30453968/)
5. Fouladi N, Pourfarzi F, Amani F, Ali-Mohammadi H, Lotf I, Mazaheri E. Breast cancer in Ardabil province in the north-west of Iran: an epidemiological study. *Asian Pac J Cancer Prev.* 2012;13(4):1543-5. PMID: [22799363](https://pubmed.ncbi.nlm.nih.gov/22799363/)
6. Marjani A, Kabir MJ. Breast cancer incidence among females in the Golestan province, Iran. *Indian J Cancer.* 2009;46(4):351-2. DOI: [10.4103/0019-509X.55564](https://doi.org/10.4103/0019-509X.55564) PMID: [19749474](https://pubmed.ncbi.nlm.nih.gov/19749474/)
7. Fouladi N, Amani F, Harghi AS, Nayebyazdi N. Five year survival of women with breast cancer in Ardabil, north-west of Iran. *Asian Pac J Cancer Prev.* 2011;12(7):1799-801. PMID: [22126568](https://pubmed.ncbi.nlm.nih.gov/22126568/)
8. Naieni KH, Ardalan A, Mahmoodi M, Motevalian A, Yahyapoor Y, Yazdizadeh B. Risk factors of breast cancer in north of Iran: a case-control in Mazandaran Province. *Asian Pac J Cancer Prev.* 2007;8(3):395-8. PMID: [18159976](https://pubmed.ncbi.nlm.nih.gov/18159976/)
9. Rezaianzadeh A, Peacock J, Reidpath D, Talei A, Hosseini SV, Mehrabani D. Survival analysis of 1148 women diagnosed with breast cancer in Southern Iran. *BMC Cancer.* 2009;9:168. DOI: [10.1186/1471-2407-9-168](https://doi.org/10.1186/1471-2407-9-168) PMID: [19497131](https://pubmed.ncbi.nlm.nih.gov/19497131/)
10. Rafiemanesh H, Zahedi A, Mehtarpour M, Zemestani A, Balouchi A, Aghaali M, et al. Cancer epidemiology and trends in North Khorasan Province of Iran. *Clinical Epidemiology and Global Health.* 2018.