

REFERENCES

- Acharya, M. 2025, 'World GDP Ranking List', *ClearTax*, viewed 19 November 2025, <<https://cleartax.in/s/world-gdp-ranking-list>>
- Adejumo, P. O., Aniagwu, T. I. G., Awolude, O. A., Adedokun, B., Kochheiser, M., Sowunmi, A., *et al.* 2023, Cancer Genetic Services in a Low- to Middle-Income Country: Cross-Sectional Survey Assessing Willingness to Undergo and Pay for Germline Genetic Testing, *JCO global oncology*, **9**:e2100140.
- Adeoye, M. 2023, Review of Sampling Techniques for Education, *ASEAN Journal for Science Education*, **2**(2):87–94.
- Admoun, C. and Mayrovitz, H. N. 2022, 'The Etiology of Breast Cancer', in Mayrovitz, H. N., *Breast cancer*, Exon Publications.
- Aikoh, T., Shoji, Y., Tsuge, T., Shibasaki, S. and Yamamoto, K. 2020, Application of the Double-bounded Dichotomous Choice Model to the Estimation of Crowding Acceptability in Natural Recreation Areas, *Journal of Outdoor Recreation and Tourism*, **32**:100195.
- Aizuddin, A. N., Ramdzan, A. R., Syed Omar, S. A., Mahmud, Z., Latiff, Z. A., Amat, S., *et al.* 2021a, Genetic Testing for Cancer Risk: Is the Community Willing to Pay for It? *International Journal of Environmental Research and Public Health*, **18**(18): 8752.
- Aizuddin, A. N., Syed Rusli, S. A. S., Ramdzan, A. R., Syed Omar, S. A., Mahmud, Z., Abdul Latiff, Z., *et al.* 2021b, Willingness to Pay for Cancer Genetic Testing in a Tertiary Healthcare Centre, *IJUM Medical Journal Malaysia*, **20**(3).
- Ajzen, I. 1991, The Theory of Planned Behavior, *Organizational Behavior and Human Decision Processes*, **50**(2):179–211.
- Alyafei, A. and Easton-Carr, R. 2024, 'The Health Belief Model of Behavior Change', *Treasure Island (FL):StatPearls Publishing*, viewed 14 November 2025, <<https://www.ncbi.nlm.nih.gov/books/NBK606120/>>
- American College of Medical Genetics. 1999, 'Genetic Susceptibility to Breast and Ovarian cancer: Assessment, Counseling and Testing Guidelines', *Bethesda, MD: American College of Medical Genetics*, viewed 5 January 2025, <<https://www.ncbi.nlm.nih.gov/books/NBK56948/>>
- Andrade C. 2021, The Inconvenient Truth About Convenience and Purposive Samples, *Indian journal of psychological medicine*, **43**(1):86-88.

- Anwar, S. L., Haryono, S. J., Aryandono, T. and Datasena, I. G. 2016, Screening of BRCA1/2 Mutations Using Direct Sequencing in Indonesian Familial Breast Cancer Cases, *Asian Pacific journal of cancer prevention : APJCP*, **17**(4):1987-1991.
- Arini, H. D., Medina, B. F. and Yuliawati, A. 2023, Analysis and Factor Affecting Cost of Chemotherapy in Breast Cancer, *Journal of Pharmacy and Science*, **7**(1):46-53.
- Armstrong, N., Ryder, S., Forbes, C., Ross, J. and Quek, R. G. 2019, A Systematic Review of the International Prevalence of BRCA Mutation in Breast Cancer, *Clinical epidemiology*, **11**:543-561.
- Azhar, Y., Hanafi, R. V., Lestari, B. W. and Halim, F. S. 2023, Breast Self-Examination Practice and Its Determinants among Women in Indonesia: A Systematic Review, Meta-Analysis, and Meta-Regression, *Diagnosics*, **13**(15):2577.
- Badan Kebijakan Pembangunan Kesehatan. 2024, *Survei Kesehatan Indonesia (SKI) 2023 dalam angka*, Kementerian Kesehatan Republik Indonesia.
- Badan Pusat Statistik Indonesia. 2025, 'Percentage of Ever-Married Women Age 10 Years Old and Over by Age at First Marriage in Yogyakarta Municipality'. *Badan Pusat Statistik Indonesia*, viewed 12 November 2025, <<https://jogjakota.bps.go.id/en/statistics-table/2/MTc2IzI=/percentage-of-ever-married-women-age-10-years-old-and-over-by-age-at-first-marriage-in-yogyakarta-municipality.html>>
- Badan Pusat Statistik Indonesia. 2025, 'Tingkat Partisipasi Angkatan Kerja Menurut Jenis Kelamin'. *Badan Pusat Statistik Indonesia*, viewed 12 November 2025, <<https://www.bps.go.id/id/statistics-table/2/MjIwMCMy/tingkat-partisipasi-angkatan-kerja-menurut-jenis-kelamin.html>>
- Badan Pusat Statistik Kota Samarinda. 2024, 'Agama di Indonesia 2024', *Badan Pusat Statistik Kota Samarinda*, viewed 15 January 2025, <<https://samarindakota.bps.go.id/id/statistics-table/1/MzE0IxE=/agama-di-indonesia-2024.html>>
- Badan Pusat Statistik Provinsi DI Yogyakarta. 2022, 'Proyeksi Jumlah Penduduk Menurut Kabupaten/Kota di D.I. Yogyakarta (Jiwa), 2024-2025', *Badan Pusat Statistik Provinsi DI Yogyakarta*, viewed 10 January 2025, <<https://yogyakarta.bps.go.id/id/statistics-table/2/MTMzIzI=/jumlah-penduduk-menurut-kabupaten-kota-di-yogyakarta-.html>>

- Badan Pusat Statistik Provinsi DI Yogyakarta. 2024, 'Upah Minimum Kabupaten/Upah Minimum Provinsi di DI Yogyakarta (Rupiah/Bulan) 2024', *Badan Pusat Statistik Provinsi DI Yogyakarta*, viewed 15 January 2025, <<https://yogyakarta.bps.go.id/id/statistics-table/2/MjcyIzI=/upah-minimum-kabupaten-upah-minimum-provinsi-di-di-yogyakarta.html>>
- Baker, R., Donaldson, C., Mason, H. and Jones-Lee, M. 2014, 'Willingness to Pay for Health', in Culyer, A. J., *Encyclopedia of Health Economics* (Encyclopedia of Health Economics), Elsevier B.V., pp 495-501.
- Bandhu, D., Mohan, M. M., Nittala, N. A. P., Jadhav, P., Bhadauria, A. and Saxena, K. K. 2024, Theories of Motivation: A comprehensive Analysis of Human Behavior Drivers, *Acta psychologica*, **244**:104177.
- Basser Center for BRCA. 2019, 'Genetic Counselor Takeover: What Age Should You be Tested for a BRCA Mutation?', *Penn Medicine*, viewed 20 January 2025 <<https://basser.org/resources/genetic-counselor-takeover-what-age-should-you-be-tested-brca-mutation>>
- Batbold, O., and Pu, C. 2021, Willingness to Pay for Private Health Insurance Among Workers with Mandatory Social Health Insurance in Mongolia, *International journal for equity in health*, **20**(1):7.
- Bedrosian, I., Somerfield, M. R., Achatz, M. I., Boughey, J. C., Curigliano, G., Friedman, *et al.* 2024, Germline Testing in Patients With Breast Cancer: ASCO-Society of Surgical Oncology Guideline, *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*, **42**(5):584-604.
- Bitana, E. B., Lachore, S. T. and Utallo, A. U. 2024, The Influence of Household Size on Socioeconomic Conditions of Rural Farm Households in Damot Woyde District, Wolaita Zone, Southern Ethiopia, *Cogent Social Sciences*, **10**(1).
- Blouin-Bougie, J., Amara, N., Bouchard, K., Simard, J. and Dorval, M. 2018, Disentangling the Determinants of Interest and Willingness-to-pay for Breast Cancer Susceptibility Testing in the General Population: A Cross-sectional Web-based Survey Among Women of Québec (Canada), *BMJ open*, **8**(2):e016662.
- Bogner, K. and Landrock, U. 2016, GESIS Survey Guidelines: Response Biases in Standardised Surveys, *GESIS – Leibniz Institute for the Social Sciences*.

- Bolisani, E. and Bratianu, C. 2018, 'The Elusive Definition of Knowledge', in Bolisani, E. and Bratianu, C., *Emergent knowledge strategies*, vol. 4, Springer, pp 1-22.
- Bray, F., Laversanne, M., Sung, H., Ferlay, J., Siegel, R. L., Soerjomataram, I., *et al.* 2024, Global Cancer Statistics 2022: GLOBOCAN Estimates of Incidence and Mortality Worldwide for 36 Cancers in 185 Countries, *CA: a cancer journal for clinicians*, **74**(3):229-263.
- BRCAinBC. 2025, 'Paid Testing — Private Pay Genetic Testing Options', *BRCAinBC*, viewed 20 November 2025, <<https://brcainbc.ca/paid-testing>>
- Breidert, C., Hahsler, M. and Reutterer, T. 2006, A Review of Methods for Measuring Willingness-to-pay, *Innovative Marketing*, **2**(4):8-32.
- Brown, J. S., Amend, S. R., Austin, R. H., Gatenby, R. A., Hammarlund, E. U. and Pienta, K. J. 2023, Updating the Definition of Cancer, *Molecular cancer research : MCR*, **21**(11):1142-1147.
- Casaubon, J. T., Kashyap, S. and Regan, J.-P. 2023, 'BRCA1 and BRCA2 Mutations', *Treasure Island (FL):StatPearls Publishing*, viewed 5 January 2025, <<https://www.ncbi.nlm.nih.gov/books/NBK470239/>>
- Centers for Medicare and Medicaid Services. 2020, 'BRCA1 and BRCA2 Genetic Testing (LCD L36499)', *U.S. Department of Health and Human Services*, viewed 21 January 2025, <<https://www.cms.gov/medicare-coverage-database/view/lcd.aspx?LCDId=36499>>
- Champion, V. L. and Skinner, C. S. 2008, 'The Health Belief Model', in Glanz, K., Rimer, B. K. and Viswanath, K., *Health Behavior and Health Education: Theory, Research, and Practice*, 4th ed., Jossey-Bass, pp 45-62.
- Chang, Y. J., Cho, S., Joo, J., Ryu, K. H., Lee, S., Cho, J., *et al.* 2022, Differences in Willingness to Undergo BRCA1/2 Testing and Risk Reducing Surgery among the General Public, Cancer Patients, and Healthcare Professionals: A Large Population-Based Survey, *Journal of personalized medicine*, **12**(5):818.
- Charan, J. and Biswas, T. 2013, How to Calculate Sample Size for Different Study Designs in Medical Research?, *Indian journal of psychological medicine*, **35**(2):121-126.
- Chaturvedi, A. 2025, 'Itchy Breast — Could It Be a Sign of Breast Cancer?', *Max Healthcare*, viewed 16 November 2025,

<<https://www.maxhealthcare.in/blogs/itchy-breast-could-it-be-a-sign-of-breast-cancer>>

Chen, S., Cao, Z., Prettner, K., Kuhn, M., Yang, J., Jiao, L., *et al.* 2023, Estimates and Projections of the Global Economic Cost of 29 Cancers in 204 Countries and Territories From 2020 to 2050, *JAMA oncology*, **9**(4):465-472.

Chiang, J. and Ngeow, J. 2020, The Management of BRCA1 and BRCA2 Carriers in Singapore, *Chinese clinical oncology*, **9**(5):62.

Chin, J. J. and Tham, H. W. 2020, Knowledge, Awareness, and Perception of Genetic Testing for Hereditary Disorders Among Malaysians in Klang Valley, *Frontiers in genetics*, **11**:512582.

Collins, A. and Politopoulos, I. 2011, The Genetics of Breast Cancer: Risk Factors for Disease, *The application of clinical genetics*, **4**:11-19.

Dahlan, M. S. 2013, *Statistik untuk Kedokteran dan Kesehatan*, 3rd edition, Salemba Medika.

Dang, C. T., Nguyen, T. T. N., Ho, T. T. T. and Kang, S. 2024, Breast Cancer Screening Motivation Among Women: An Application of Self-Determination Theory, *BMC primary care*, **25**(1):339.

DePolo, J. 2024, 'Test Results for BRCA1, BRCA2, and Other Gene Mutations', *Breastcancer.org*, viewed 21 January 2025, <<https://www.breastcancer.org/genetic-testing/getting-results>>

Dibble, K. E., Donorfio, L. K. M., Britner, P. A. and Bellizzi, K. M. 2022, Perceptions and Care Recommendations from Previvors: Qualitative Analysis of Female BRCA1/2 Mutation Carriers' Experience with Genetic Testing and Counselling, *Gynecologic oncology reports*, **41**:100989.

Direktorat Jenderal Anggaran Kementerian Keuangan Republik Indonesia. 2025, 'JKN Sebagai Pilar Perlindungan Kesehatan Nasional: Capaian Kepesertaan dan Realisasi Klaim hingga Maret 2025'. *Kementerian Keuangan RI*, viewed 12 November 2025, <<https://anggaran.kemenkeu.go.id/in/post/jkn-sebagai-pilar-perlindungan-kesehatan-nasional-capaian-kepesertaan-dan-realisisi-klaim-hingga-maret-2025>>

DIY Province Government. 2024, 'UMK DIY 2025 Naik 6,5 Persen'. *DIY Province Government Portal*, viewed 12 November 2025, <<https://jogjaprov.go.id/berita/detail-berita/umk-diy-2025-naik-65>>

Dossa, F., Baxter, N. N., Sutradhar, R., Little, T., Velsher, L., Lerner-Ellis, J., *et al.* 2025, Trends in the Utilization of BRCA1 and BRCA2 Testing After the

Introduction of a Publicly Funded Genetic Testing Program, *Current oncology (Toronto, Ont.)*, **32**(8):439.

Dubsky, P., Jackisch, C., Im, S. A., Hunt, K. K., Li, C. F., Unger, S., *et al.* 2024, BRCA Genetic Testing and Counseling in Breast Cancer: How Do We Meet Our Patients' Needs?, *NPJ breast cancer*, **10**(1):77.

Efron, R. 1969, 'What is Perception?', in Cohen, R. S. and Wartofsky, M. W., *Proceedings of the Boston Colloquium for the Philosophy of Science 1966/1968*, Vol. 4, Springer, pp 137-173.

Endogenous Hormones and Breast Cancer Collaborative Group, Key, T. J., Appleby, P. N., Reeves, G. K., Travis, R. C., Alberg, A. J., *et al.* 2013, Sex Hormones and Risk of Breast Cancer in Premenopausal Women: A Collaborative Reanalysis of Individual Participant Data from Seven Prospective Studies, *The Lancet. Oncology*, **14**(10):1009-1019.

Erblich, J., Brown, K., Kim, Y., Valdimarsdottir, H. B., Livingston, B. E. and Bovbjerg, D. H. 2005, Development and Validation of a Breast Cancer Genetic Counseling Knowledge Questionnaire, *Patient education and counseling*, **56**(2):182-191.

European Institute of Management & Technology. 2025, 'Chi-Square Test: Formula, Types, Uses & Examples', viewed 25 November 2025, <<https://www.eimt.edu.eu/chi-square-test-formula-types-uses-examples>>

Fefferman, M., Nicholson, K., Kuchta, K., Pesce, C., Kopkash, K. and Yao, K. 2023, Rates of Bilateral Mastectomy in Patients With Early-Stage Breast Cancer, *JAMA network open*, **6**(1):e2251348.

Feng, Y., Spezia, M., Huang, S., Yuan, C., Zeng, Z., Zhang, L., *et al.* 2018, Breast Cancer Development and Progression: Risk Factors, Cancer Stem Cells, Signaling Pathways, Genomics, and Molecular Pathogenesis, *Genes & diseases*, **5**(2):77-106.

Ferlay, J., Ervik, M., Lam, F., Laversanne, M., Colombet, M., Mery, L., *et al.* 2024, 'Global Cancer Observatory: Cancer Today'. *International Agency for Research on Cancer*, viewed 3 January 2025, <<https://gco.iarc.who.int/today>>

Fogleman, A. J., Zahnd, W. E., Lipka, A. E., Malhi, R. S., Ganai, S., Delfino, K. R., *et al.* 2019, Knowledge, Attitudes, and Perceived Barriers Towards Genetic Testing Across Three Rural Illinois Communities, *Journal of community genetics*, **10**(3):417-423.

- Frew, E. J., Wolstenholme, J. L. and Whynes, D. K. 2004, Comparing Willingness-to-Pay: Bidding Game Format Versus Open-Ended and Payment Scale Formats, *Health policy (Amsterdam, Netherlands)*, **68**(3):289-298.
- Galloway, A. 2005, 'Non-Probability Sampling', in K. Kempf-Leonard (Ed.), *Encyclopedia of Social Measurement*, Elsevier, pp. 859-864.
- García-Aquino, M., Lagúnes-Hernández. A. and García-Santillán, A. 2024, The Role of Housewives in the Management of Household Finances, *TEM Journal*, **13**(3):2012-2024.
- Gavaruzzi, T., Tasso, A., Franiuk, M., Varesco, L. and Lotto, L. 2019, Are Young Women Ready for BRCA Testing? Comparing Attitudes and Comprehension of Two Age Groups of Healthy Italian Women, *Patient education and counseling*, **102**(6):1210-1216.
- Gielen, A. C., McDonald, E. M., Gary, T. L. and Bone, L. R. 2008, 'Using the PRECEDE-PROCEED Model to Apply Health Behavior Theories', in Glanz, K., Rimer, B. K., and Viswanath, K., *Health Behavior and Health Education: Theory, Research, and Practice*, 4th ed., Jossey-Bass, pp 407-429.
- Goethals, A., Menon, G. and Rose, J. 2024, Mastectomy, *Treasure Island (FL): StatPearls Publishing*, viewed 15 November 2025, <<https://www.ncbi.nlm.nih.gov/books/NBK538212/>>
- Goldberg, M., D'Aloisio, A. A., O'Brien, K. M., Zhao, S. and Sandler, D. P. 2020, Pubertal Timing and Breast Cancer Risk in the Sister Study Cohort, *Breast cancer research : BCR*, **22**(1):112.
- Graves, K. D., Peshkin, B. N., Luta, G., Tuong, W. and Schwartz, M. D. 2011, Interest in Genetic Testing for Modest Changes in Breast Cancer Risk: Implications for SNP Testing, *Public health genomics*, **14**(3):178-189.
- Guertler, D., Reinhard, A. K., Ulbricht, S., Chenot, J. F., Felbor, U. and Wurm, S. 2025, Acceptance and Attitudes Towards Genetic Cancer Testing Among German General Practice Patients: A Cross-Sectional Survey. *Family medicine and community health*, **13**(3):e003395.
- Guo, F., Hirth, J. M., Fuchs, E. L., Cofie, L. E., Brown, V., Kuo, Y. F., *et al.* 2022a, Knowledge, Attitudes, Willingness to Pay, and Patient Preferences About Genetic Testing and Subsequent Risk Management for Cancer Prevention, *Journal of cancer education : the official journal of the American Association for Cancer Education*, **37**(2):362-369.

- Guo, F., Kuo, Y. F., Shih, Y. C. T., Giordano, S. H. and Berenson, A. B. 2018, Trends in Breast Cancer Mortality by Stage at Diagnosis Among Young Women in the United States, *Cancer*, **124**(17):3500-3509.
- Guo, F., Scholl, M., Fuchs, E. L., Berenson, A. B. and Kuo, Y. F. 2022b, *BRCA* Testing and Testing Results Among Women 18-65 years old, *Preventive medicine reports*, **26**:101738.
- Hanahan, D. and Weinberg, R. A. 2000, The Hallmarks of Cancer, *Cell*, **100**(1):57-70.
- Hardy, M. W., Peshkin, B. N., Rose, E., Ladd, M. K., Binion, S., Tynan, M., *et al.*, 2022, Attitudes and Interest in Incorporating BRCA1/2 Cancer Susceptibility Testing Into Reproductive Carrier Screening for Ashkenazi Jewish Men and Women, *Journal of community genetics*, **13**(3):281-292.
- Harsono, F. H. 2023, "Budi Gunadi Sadikin Merasa Miris, RS di Indonesia Ada 3 Ribu tapi Alat Deteksi Kanker Payudara Cuma 200", *Liputan6*, viewed 15 November 2025, <<https://www.liputan6.com/health/read/5237274/budi-gunadi-sadikin-merasa-miris-rs-di-indonesia-ada-3-ribu-tapi-alat-deteksi-kanker-payudara-cuma-200>>
- Hazra A. 2017, Using the Confidence Interval Confidently, *Journal of thoracic disease*, **9**(10):4125-4130.
- Hendryadi, H. 2017, Validitas Isi: Tahap Awal Pengembangan Kuesioner, *Jurnal Riset Manajemen dan Bisnis FE-UNIAT*, **2**(2):169-178.
- Hesse-Biber, S., Seven, M., Shea, H. and Dwyer, A. A. 2024, Intersectionality, *BRCA* Genetic Testing, and Intrafamilial Communication of Risk: A Qualitative Study, *Cancers*, **16**(9):1766.
- Hsu, W., Yang, C. H. and Fan, W. P. 2021, A Study of Patients' Willingness to Pay for a Basic Outpatient Copayment and Medical Service Quality in Taiwan, *International journal of environmental research and public health*, **18**(12):6604. <https://doi.org/10.3390/ijerph18126604>
- Imyanitov, E. N., Kuligina, E.S., Sokolenko, A. P., Suspitsin, E. N., Yanus, G. A., Iyevleva, A. G., *et al.* 2023, Hereditary Cancer Syndromes., *World J Clin Oncol*, **14**(2):40-68.
- Inuzuka, M., Kuwayama, T., Sawada, T., Akashi-Tanaka, S. and Nakamura, S. 2018, Satisfaction with Decision Regarding *BRCA1/2* Genetic Testing and Willingness to Undergo *BRCA1/2* Genetic Testing in the Future Among Breast Cancer Patients who Had not Previously Undergone *BRCA1/2*

Genetic Testing in Japan, *Showa University Journal of Medical Sciences*, 30(1), 87–96.

Isselhard, A., Lautz, Z., Rhiem, K. and Stock, S. 2023, Assessing Psychological Morbidity in Cancer-Unaffected *BRCA1/2* Pathogenic Variant Carriers: A Systematic Review. *Current oncology (Toronto, Ont.)*, 30(4):3590-3608.

Jin J. 2019, Should I Be Tested for BRCA Mutations? *JAMA*, 322(7):702.

Jogja Cancer Registry. 2024, 'Registrasi Kanker Berbasis Rumah Sakit Desember 2023'. *Jogja Cancer Registry RSUP Dr Sardjito/FK-KMK UGM*, viewed 7 January 2025, <<https://canreg.fk.ugm.ac.id/laporan-data/registrasi-kanker-berbasis-rumah-sakit-dr-sardjito-fkkmk-ugm/rkbr-desember-2023/>>

Jones, T., Howard, H., Freeman-Costin, K., Creighton, A., Wisdom-Chambers, K. and Underhill-Blazey, M. 2021. Knowledge and Perceptions of BRCA1/2 Genetic Testing and Needs of Diverse Women with a Personal or Family History of Breast Cancer in South Florida, *Journal of community genetics*, 12(3):415-429.

Kabeya, V., Puthussery, S. and Furmanski, A. 2024, Barriers and Facilitators to Genetic Testing for Breast and Ovarian Cancer Amongst Black African Women in Luton (UK), *Journal of genetic counseling*, 33(2):425-444.

Kamaraju, S., Conroy, M., Harris, A., Georgen, M., Min, H., Powell, M., *et al.* 2024, Challenges to Genetic Testing for Germline Mutations Associated with Breast Cancer Among African Americans, *Cancer treatment reviews*, 124:102695.

Kementerian Agama Republik Indonesia. 2025, 'Jumlah Penduduk Menurut Agama'. *Kementerian Agama RI*, viewed 12 November 2025, <<https://satudata.kemenag.go.id/dataset/detail/jumlah-penduduk-menurut-agama>>

Kementerian Kesehatan Republik Indonesia. 2022, 'Cegah Kanker Payudara dengan Sadari dan Sadanis', *Kementerian Kesehatan RI*, viewed 6 January 2025, <<https://kemkes.go.id/eng/%20cegah-kanker-payudara-dengan-sadari-dan-sadanis>>

Kementerian Kesehatan Republik Indonesia. 2024, *Rencana Kanker Nasional 2024-2034: Strategi Indonesia dalam Upaya Melawan Kanker*, Kementerian Kesehatan Republik Indonesia.

Kennedy, I. 2021, Sample Size Determination in Test-Retest and Cronbach Alpha Reliability Estimates, *Middle East Res J. Humanities Soc. Sci.*, 1(1): 16-24.

- Kenyon, G. N. and Sen, K. C. 2015, 'The Perception Process', in *The Perception of Quality: Mapping Product and Service Quality to Consumer Perceptions*, Springer, pp 41-50.
- Kettlewell, N. and Zhang, Y. 2024, Financial Incentives and Private Health Insurance Demand on the Extensive and Intensive Margins, *Journal of health economics*, **94**:102863.
- Kuchenbaecker, K. B., Hopper, J. L., Barnes, D. R., Phillips, K. A., Mooij, T. M., Roos-Blom, M. J., *et al.* 2017, Risks of Breast, Ovarian, and Contralateral Breast Cancer for BRCA1 and BRCA2 Mutation Carriers, *JAMA*, **317**(23): 2402-2416.
- Le Gall-Ely, M. 2009, Definition, Measurement and Determinants of the Consumer's Willingness to Pay: A Critical Synthesis and Avenues for Further Research, *Recherche et Applications en Marketing (English Edition)*, **24**(2):91-112.
- Lee, M. and Lai, W. 2024, Does Being Single Bring Freedom Or Burden? Examining the Expenditure Patterns of Single-Person Households in Taiwan, *Journal of Asian Economics*, **92**:101747.
- Leon, Y. 2024, 'Miris, Rata-Rata Gaji Pekerja Industri Kreatif di Jogja di Bawah UMK'. *Espos Regional*, viewed 12 November 2025, <<https://regional.espos.id/miris-rata-rata-gaji-pekerja-industri-ekonomi-kreatif-di-jogja-di-bawah-umk-2024673>>
- Lerman, C., Biesecker, B., Benkendorf, J. L., Kerner, J., Gomez-Caminero, A., *et al.* 1997, Controlled Trial of Pretest Education Approaches to Enhance Informed Decision-making for BRCA1 Gene Testing, *Journal of the National Cancer Institute*, **89**(2):148-157.
- Lestari, R. V., Padauleng, N., Djannah, F., Prihatina, L. M., Kumaladewi, B. R., Aulia, R. S., *et al.* 2024, BRCA1 Expression Profile in Breast Cancer Patients in West Nusa Tenggara, *Jurnal Kedokteran Unram*, **13**(4):235-238.
- Leung, Y. 2013, 'Perceived Benefits', in Gellman, M. D. and Turner, J. R., *Encyclopedia of Behavioral Medicine*, Springer, pp 1450-1451.
- Łukasiewicz, S., Czeczelewski, M., Forma, A., Baj, J., Sitarz, R. and Stanisławek, A. 2021, Breast Cancer-Epidemiology, Risk Factors, Classification, Prognostic Markers, and Current Treatment Strategies-An Updated Review, *Cancers*, **13**(17):4287.

- Lwanga, S. K. and Lemeshow, S. 1991, 'Estimation of a Single Proportion', in *Sample Size Determination in Health Studies: A Practical Manual*, World Health Organization, pp 5-17.
- Makwana, D., Engineer, P., Dabhi, A. and Chudasama, H. 2023, Sampling Methods in Research: A review, *International Journal of Trend in Scientific Research and Development*, 7(3):762-768.
- Manchanda, R., Burnell, M., Gaba, F., Sanderson, S., Loggenberg, K., Gessler, S., *et al.* 2019, Attitude Towards and Factors Affecting Uptake of Population-Based BRCA Testing in the Ashkenazi Jewish Population: A Cohort Study, *BJOG : an international journal of obstetrics and gynaecology*, 126(6):784-794.
- Mapoko, B. S. E., Ndi, K. C., Tabola, L., Mouaye, V., Douanla, P., Nsangou, N., *et al.* 2023, Feasibility of Cancer Genetic Counselling and Screening in Cameroon: Perceived Benefits and Barriers, *Ecancermedicalscience*, 17:1588.
- Mariani, A. W. and Pêgo-Fernandes, P. M. 2014, Willingness to Pay... What???, *Sao Paulo medical journal = Revista paulista de medicina*, 132(3):131-132.
- McCallum, K. 2022, '5 Signs of Breast Cancer Beyond Feeling a Lump', *Houston Methodist*, viewed 16 November 2025, <<https://www.houstonmethodist.org/blog/articles/2022/oct/5-signs-of-breast-cancer-beyond-feeling-a-lump/>>
- McCarthy, A. M. and Armstrong, K. 2014, The Role of Testing for BRCA1 and BRCA2 Mutations in Cancer Prevention, *JAMA internal medicine*, 174(7):1023-1024.
- MedlinePlus. 2022, 'BRCA Genetic Test', *U.S. National Library of Medicine*, viewed 22 January 2025, <<https://medlineplus.gov/lab-tests/brca-test/>>
- Mehrgou, A. and Akouchekian, M. 2016, The Importance of BRCA1 and BRCA2 Genes Mutations in Breast Cancer Development, *Medical journal of the Islamic Republic of Iran*, 30:369.
- Meiranto, W., Farlyagiza, F., Faisal, F., Yuyetta, E. N. A. and Puspitasari, E. 2024, The Mediating Role of Behavioral Intention on Factors Influencing User Behavior in The E-Government State Financial Application System at The Indonesian Ministry of Finance, *Cogent Business & Management*, 11(1):2373341.

- Meshkani, Z., Moradi, N., Aboutorabi, A., Farabi, H. and Moini, N. 2024, A Cost-Benefit Analysis of Genetic Screening Test for Breast Cancer in Iran, *BMC cancer*, **24**(1):279.
- Meshkani, Z., Moradi, N., Aboutorabi, A., Jafari, A. and Shams, R. 2023, Subjective Valuation of Iranian Women for Screening for Gene-related Diseases: A Case of Breast Cancer, *BMC public health*, **23**(1):667.
- Metcalf, K., Eisen, A., Senter, L., Armel, S., Bordeleau, L., Meschino, W. S., *et al.* 2019, International Trends in the Uptake of Cancer Risk Reduction Strategies in Women with a BRCA1 or BRCA2 Mutation, *British journal of cancer*, **121**(1):15-21.
- Miron-Shatz, T., Hanoch, Y., Doniger, G. M., Omer, Z. B. and Ozanne, E. M. 2014, Subjective but Not Objective Numeracy Influences Willingness to Pay for BRCA1/2 Genetic Testing, *Judgment and Decision Making*, **9**(2):152-158.
- Miron-Shatz, T., Hanoch, Y., Katz, B. A., Doniger, G. M. and Ozanne, E. M. 2015, Willingness to Test for BRCA1/2 in High Risk Women: Influenced by Risk Perception and Family Experience, Rather than by Objective or Subjective Numeracy?, *Judgment and Decision Making*, **10**(4):386–399.
- Montaño, D. E. and Kasprzyk, D. 2008, ‘Theory of Reasoned Action, Theory of Planned Behavior, and the Integrated Behavioral Model’, in Glanz, K., Rimer, B. K. and Viswanath, K., *Health Behavior and Health Education: Theory, Research, and Practice*, 4th ed., Josey-Bass, pp 67-96.
- Mossa, K. A. 2022, Perceptions and Knowledge of Breast Cancer and Breast Self-Examination Among Young Adult Women in Southwest Ethiopia: Application of the health belief model, *PloS one*, **17**(9):e0274935.
- Muhidin, A. (2017). *Statistika Pendidikan: Pendekatan Berbasis Kinerja*. UNPAM Press.
- Nabila, A. N. and Kristina, S. A. 2024, Willingness to Pay for Colorectal Cancer Screening: A Systematic Review, *Journal of Applied Pharmaceutical Science*, **15**(1):182-190.
- Nabioglu, M., Kus, T., Aktas, G., Ahmet, K. and Arak, H. 2025. The Effect of Knowledge and Person-Related Factors on Breast Cancer Susceptibility Genes (BRCA1/2) Testing Perception in Turkish women, *Journal of genetic counseling*, **34**(2):e1974.
- Nakagomi, H., Sakamoto, I., Hirotsu, Y., Amemiya, K., Mochizuki, H., Inoue, M., *et al.*, 2016, Willingness of Japanese Patients with Breast Cancer to Have

Genetic Testing of BRCA Without Burden of Expenses. *Breast cancer (Tokyo, Japan)*, **23**(4):649-653.

National Cancer Institute. 2024, 'BRCA Gene Changes: Cancer Risk and Genetic Testing', *U.S. Department of Health and Human Services*, viewed 23 January 2025, <<https://www.cancer.gov/about-cancer/causes-prevention/genetics/brca-fact-sheet>>

National Cancer Institute. 2025, 'Breast-conserving surgery', *NCI Dictionary of Cancer Terms*, viewed 16 November 2025, <<https://www.cancer.gov/publications/dictionaries/cancer-terms/def/breast-conserving-surgery>>

Ng, B., Puspitaningtyas, H., Wiranata, J. A., Hutajulu, S. H., Widodo, I., Anggorowati, N., *et al.* 2023, Breast Cancer Incidence in Yogyakarta, Indonesia from 2008-2019: A Cross-sectional Study Using Trend Analysis and Geographical Information System, *PloS one*, **18**(7):e0288073.

Notoatmodjo, S. 2010, *Metodologi Penelitian Kesehatan*. PT Rineka Cipta.

Nugraheni, D. A., Satibi, S., Kristina, S. A. and Puspendari, D. A. 2022, Factors Associated with Willingness to Pay for Cost-Sharing under Universal Health Coverage Scheme in Yogyakarta, Indonesia: A Cross-Sectional Survey, *International journal of environmental research and public health*, **19**(22):15017.

Nursalam. 2015, *Metodologi Penelitian Ilmu Keperawatan: Pendekatan Praktis*, 4th edition, Salemba Medika.

Olejniczak, D., Dera, P., Religioni, U., Duda-Zalewska, A. and Deptała, A. 2016, Acceptance of, Inclination for, And Barriers in Genetic Testing for Gene Mutations That Increase the Risk of Breast and Ovarian Cancers Among Female Residents of Warsaw, *Contemporary oncology (Poznan, Poland)*, **20**(1):80-85.

Ou, Q. 2017, A Brief Introduction to Perception, *Studies in Literature and Language*, **15**(4):18-28.

Pakpahan, M. and Tompunu, M. R. G. 2021, 'Perilaku Kesehatan', in Watrianthos, R., *Promosi Kesehatan dan Perilaku Kesehatan*, Yayasan Kita Menulis, pp 22-30.

Pal, M., Das, D., and Pandey, M. 2024, Understanding Genetic Variations Associated with Familial Breast Cancer, *World journal of surgical oncology*, **22**(1):271.

Patel, A. 2020, Benign vs Malignant Tumors, *JAMA Oncol*, **6**(9):1488.

PDQ Cancer Genetics Editorial Board. 2025, 'Genetics of Breast and Gynecologic Cancers (PDQ®): Health Professional Version', *National Cancer Institute (US)*, viewed 23 January 2025, <<https://www.ncbi.nlm.nih.gov/books/NBK65767/>>

Pederson, H. J. and Narod, S. A. 2024, Commentary: Why Is Genetic Testing Underutilized Worldwide? The Case for Hereditary Breast Cancer, *BJC reports*, **2**(1):73.

Peñalver-Argüeso, B., García-Esquinas, E., Castelló, A., de Larrea-Baz, N. F., Castaño-Vinyals, G., Amiano, P., *et al.* 2023, Smoking History and Breast Cancer Risk by Pathological Subtype: MCC-Spain study, *Tobacco induced diseases*, **21**:157.

Petrucci, N., Daly, M. B. and Feldman, G. L. 2010, Hereditary Breast and Ovarian Cancer due to Mutations in BRCA1 and BRCA2, *Genetics in medicine : official journal of the American College of Medical Genetics*, **12**(5):245-259.

Pippin, M. M. and Boyd, R. 2023. 'Breast Self-Examination', *Treasure Island (FL): StatPearls Publishing*, viewed 14 November 2025, <<https://www.ncbi.nlm.nih.gov/books/NBK565846/>>

Pourhoseingholi, M. A., Vahedi, M. and Rahimzadeh, M. 2013, Sample Size Calculation in Medical Studies, *Gastroenterology and hepatology from bed to bench*, **6**(1):14-17.

Prodia, 2024. 'BRCA 1/2 Germline: Tes Genomik', *Prodia*, viewed 7 January 2025, <<https://prodia.co.id/id/test-detail-genomik/TH2pxO2nomM=-th2pxo2nomm=-brca-12-germline>>

Pujol, P., Barberis, M., Beer, P., Friedman, E., Piulats, J. M., Capoluongo, E. D., *et al.* 2021, Clinical Practice Guidelines for BRCA1 and BRCA2 Genetic Testing, *European journal of cancer (Oxford, England : 1990)*, **146**:30-47.

Purnomosari, D., Pals, G., Wahyono, A., Aryandono, T., Manuaba, T. W., Haryono, S. J., *et al.* 2007, BRCA1 and BRCA2 Germline Mutation Analysis in the Indonesian Population, *Breast cancer research and treatment*, **106**(2):297-304.

Pusat Data dan Teknologi Informasi Kementerian Pendidikan Dasar dan Menengah. 2025, 'Data Pendidikan Tinggi (DIKTI) per Provinsi — Provinsi D.I. Yogyakarta'. *Kementerian Pendidikan Dasar dan Menengah*, viewed 12 November 2025,

<<https://referensi.data.kemendikdasmen.go.id/pendidikan/dikti/040000/1>
(Kemendikdasmen Data Reference)>

- Putri, A. R. A., Kristina, S. A. and Trung, V. Q. 2025, Women's Willingness to Contribute to the Cost of Genetic Testing for Germline Mutations Linked to Breast Cancer: A Systematic Review, *Indonesian Journal of Pharmacy*, <https://journal.ugm.ac.id/v3/IJP/article/view/19430>
- Ramadhani, A. I. N. 2024, 'Willingness to Pay for Mammography Breast Cancer Screening in DI. Yogyakarta', *Tesis*, M.Farm., Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Ren, W., Chen, M., Qiao, Y. and Zhao, F. 2022, Global Guidelines for Breast Cancer Screening: A Systematic Review, *Breast (Edinburgh, Scotland)*, **64**:85-99.
- Riduwan. 2010, *Dasar-Dasar Statistika*. Alfabeta.
- Rozza, H. H., Elhoseny, T. A., Abbas, S. H. and Mosallam, R. A. 2025, Patients' Willingness to Pay for Health Care Quality Improvement Under Universal Healthcare Coverage in Egypt, *The Journal of the Egyptian Public Health Association*, **100**(1):15.
- Rubinsak, L. A., Kleinman, A., Quillin, J., Gordon, S. W., Sullivan, S. A., Sutton, A. L., *et al.* 2019, Awareness and Acceptability of Population-based Screening for Pathogenic BRCA Variants: Do Race and Ethnicity Matter?, *Gynecologic oncology*, **154**(2):383-387.
- Salvatore, D. 2008, 'Consumer Preferences and Choice', in *Microeconomics: Theory and Applications*, 5th ed., Oxford University Press, pp 57-86.
- Schmidt, J. and Bijmolt, T. H. A. 2020, Accurately Measuring Willingness to Pay for Consumer Goods: A Meta-Analysis of the Hypothetical Bias, *Journal of the Academy of Marketing Science*, **48**(3):499-518.
- Sekhon, M., Cartwright, M. and Francis, J. J. 2017, Acceptability of Healthcare Interventions: An Overview of Reviews and Development of a Theoretical Framework, *BMC health services research*, **17**(1): 88.
- Shao, S., Zhang, H., Chen, X., Xu, X., Zhao, Y., Wang, M. and Du, J. 2021, Health Education Services Utilization and Its Determinants Among Migrants: A Cross-Sectional Study in Urban-Rural Fringe Areas of Beijing, China, *BMC Family Practice*, **22**:23.
- Shiryazdi, S. M., Kholasehzadeh, G., Neamatzadeh, H. and Kargar, S. 2014, Health Beliefs and Breast Cancer Screening Behaviors Among Iranian Female

Health Workers, *Asian Pacific journal of cancer prevention* : *APJCP*, **15**(22):9817-9822.

Siegel, R. L., Kratzer, T. B., Giaquinto, A. N., Sung, H. and Jemal, A. 2025, Cancer Statistics, 2025. *CA: a cancer journal for clinicians*, **75**(1):10-45.

Simone, V., D'Avenia, M., Argentiero, A., Felici, C., Rizzo, F. M., De Pergola, G., *et al.* 2016, Obesity and Breast Cancer: Molecular Interconnections and Potential Clinical Applications, *The oncologist*, **21**(4):404-417.

Start.io. 2024, 'Social Media Users in Indonesia'. *Start.io*, viewed 12 November 2025, <<https://www.start.io/audience/social-media-users-in-indonesia>>

Steigenberger, C., Flatscher-Thoeni, M., Siebert, U. and Leiter, A. M. 2022, Determinants of Willingness to Pay for Health Services: A Systematic Review of Contingent Valuation Studies, *The European journal of health economics* : *HEPAC* : *health economics in prevention and care*, **23**(9):1455-1482.

Sugiyono. 2013, *Metode Penelitian Kuantitatif, Kualitatif dan R&D*. CV Alfabeta.

Sukeri, S., Zahiruddin, W. M., Shafei, M. N., Hamat, R. A., Osman, M., Jamaluddin, T. Z., *et al.* 2020, Perceived Severity and Susceptibility towards Leptospirosis Infection in Malaysia, *International journal of environmental research and public health*, **17**(17):6362.

Sun, L., Wei, X., Fierheller, C. T., Dawson, L., Oxley, S., Kalra, A., *et al.*, 2024, Economic Evaluation of Population-Based BRCA1 and BRCA2 Testing in Canada, *JAMA network open*, **7**(9):e2432725.

The World Bank. 2025, 'World Bank Country and Lending Groups', *The World Bank*, viewed 20 November 2025, <<https://datahelpdesk.worldbank.org/knowledgebase/articles/906519-world-bank-country-and-lending-groups>>

Thompson, H. S., Valdimarsdottir, H. B., Duteau-Buck, C., Guevarra, J., Bovbjerg, D. H., Richmond-Avellaneda, C., *et al.* 2002, Psychosocial Predictors of BRCA Counseling and Testing Decisions Among Urban African-American Women, *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*, **11**(12):1579-1585.

Wang, G., Beattie, M. S., Ponce, N. A. and Phillips, K. A. 2011, Eligibility Criteria in Private and Public Coverage Policies for BRCA Genetic Testing and Genetic Counselling, *Genetics in medicine : official journal of the American College of Medical Genetics*, **13**(12):1045-1050.

- WorldAtlas. 2025, 'The Richest Countries in the World', *WorldAtlas*, viewed 19 November 2025, <<https://www.worldatlas.com/gdp/the-richest-countries-in-the-world.html>>
- Yulian, E. D. and Fachriza, I. 2024, Five-year Survival of Triple-Negative Breast Cancer and the Associated Clinicopathological Factors: A study in an Indonesian Tertiary Hospital, *Medical Journal of Indonesia*, **32**(4):230-7.
- Yusoff, M. S. B. 2019, ABC of Content Validation and Content Validity Index Calculation, *Education in Medicine Journal*, **11**(2):49-54.
- Yuswar, T. and Nurlisis, N. 2018, Late Stage Diagnostic of Breast Cancer at RSUD Arifin Achmad of Riau Province 2016: Keterlambatan Pemeriksaan Kanker Payudara di RSUD Arifin Achmad Provinsi Riau Tahun 2016, *Jurnal Kesehatan Komunitas (Journal of Community Health)*, **4**(1): 33-39.
- Zainuddin, M. 2014, *Metodologi Penelitian Kefarmasian dan Kesehatan*, 2nd edition, Airlangga University Press.
- Zhao, F., Wang, S., Lu, J., Feng, X., Ran, L. and Yang, J. 2025, Cost-Effectiveness Analysis of Population-Based *BRCA1/2* Testing, Family-History-Based *BRCA1/2* Testing, and Symptom-Based Screening for Breast and Ovarian Cancer In China, *Frontiers in public health*, **13**:1479966.
- Zielonke, N., Gini, A., Jansen, E. E. L., Anttila, A., Segnan, N., Ponti, A., *et al.* 2020, Evidence for Reducing Cancer-Specific Mortality due to Screening for Breast Cancer in Europe: A Systematic Review, *European journal of cancer (Oxford, England : 1990)*, **127**:191-206.