French Epidemiological Strategy and Medical Economics Metastatic Breast Cancer (ESME-MBC) Database

First published: 11/04/2025

Last updated: 11/04/2025

Data source | Human | Cancer registry

Administrative details

Administrative details

Data source ID

1000000452

Data source acronym

ESME MBC

Data holder

Unicancer

Data source type

Cancer registry

Main financial support

Funding from public-private partnership

Care setting

Hospital inpatient care

Data source qualification

If the data source has successfully undergone a formal qualification process (e.g., from the EMA, ISO or other certifications), this should be described.

Yes

Description of the qualification

ISO certification for project management activities

Data source website

https://www.unicancer.fr/en/programs/esme/

Contact details

Lise Bosquet contactRWD@unicancer.fr

Main

contactRWD@unicancer.fr

Data source regions and languages

Data source countries

France

Data source languages

English

French

Data source establishment

Data source established

23/01/2014

Data source time span

First collection: 23/01/2014

The date when data started to be collected or extracted.

Publications

Data source publications

Paclitaxel plus bevacizumab or paclitaxel as first-line treatment for HER2-negative metastatic breast cancer in a multicenter national observational studyDelaloge S, Perol D, Courtinard C, Brain E, Asselain B, Bachelot T, Debled M, Dieras V, Campone M, Levy C, Jacot W, Lorgis V, Veyret C, Dalenc F, Ferrero JM, Uwer L, Kerbrat P, Goncalves A, Mouret-Reynier MA, Petit T, Jouannaud C, Vanlemmens L, Chenuc G, Guesmia T, Robain M, Cailliot C.Ann Oncol. 2016 Sep;27(9):1725-32

Routinely collected data may usefully supplement Randomised controlled data on treatment effects for mortalityPérol D, Robain M, Delaloge S, Cailliot C.BMJ. 2016 Dec 16;355:i6745

Endocrine therapy or chemotherapy as first-line therapy in hormone receptor–positive HER2-negative metastatic breast cancer patients.Jacquet E, Lardy-Cléaud A, Pistilli B, Franck S, Cottu P, Delaloge S, Debled M, Vanlemmens L, Leheurteur M, Guizard AV, Laborde L, Uwer L, Jacot W, Berchery D, Desmoulin I, Ferrero JM, Perrocheau G, Courtinard C, Brain E, Chabaud S, Robain M, Bachelot T.Eur J Cancer. 2018 May;95:93-101.

Time trends of overall survival among metastatic breast cancer patients in the real-life ESME cohort.Gobbini E, Ezzalfani M, Dieras V, Bachelot T, Brain E, Debled M, Jacot W, Mouret-Reynier MA, Goncalves A, Dalenc F, Patsouris A, Ferrero JM, Levy C, Lorgis V, Vanlemmens L, Lefeuvre-Plesse C, Mathoulin-Pelissier S, Petit T, Uwer L, Jouannaud C, Leheurteur M, Lacroix-Triki M, Lardy-Cleaud A, Robain M, Courtinard C, Cailliot C, Perol D, Delaloge S.Eur J Cancer. 2018 Jun;96:17-24

Oral etoposide in heavily pre-treated metastatic breast cancer: results from the ESME cohort and comparison with other chemotherapy regimens.Cabel L, Carton M, Cheaib B, Pierga J-Y, Dalenc F, Mailliez A, Levy C, Jacot W, Debled M, Leheurteur M, Desmoulins I, Lefeuvre C, Goncalves A, Uwer L, Ferrero JM, Eymard JC, Petit T, Mouret-Reynier MA, Perrocheau G, Piot I, Perol D, Simon G, Lerebours F.Breast Cancer Res Treat. 2019 Jan;173(2):397-406

Survival Impact of Locoregional Treatment of the Primary Tumor in De Novo Metastatic Breast Cancers in a Large Multicentric Cohort Study: A Propensity Score-Matched Analysis.Pons-Tostivint E, Kirova Y, Lusque A, Campone M, Geffrelot J, Mazouni C, Mailliez A, Pasquier D, Madranges N, Firmin N, Crouzet A, Goncalves A, Jankowski C, De La Motte Rouge T, Pouget N, La Lande B, Mouttet-Boitat D, Ferrero JM, Uwer L, Eymard JC, Mouret-Reynier MA, Petit T, Robain M, Filleron T, Cailliot C, Dalenc F.Ann Surg Oncol. 2019 Feb;26(2):356-65.

The ongoing French metastatic breast cancer (MBC) cohort: the example-based methodology of the Epidemiological Strategy and Medical Economics (ESME)Perol D, Robain, M, Arveux, P, Mathoulin-Pelissier S, Chamorey E, Asselain B, Berchery D, Gourgou S, Breton M, Delaine-Clisant S, Mons M, Dieras V, Carton M, Guizard AV, Laborde L, Laurent C, Loeb A, Mouret-Reynier MA, Parent D, Perrocheau G, Campion L, Velten M, Cailliot C, Ezzalfani M, Simon G.BMJ Open. 2019 Feb 21;9(2):e023568.

Cost-effectiveness of bevacizumab plus paclitaxel versus paclitaxel for the first-line treatment of HER2-negative metastatic breast cancer in specialist oncology centers in France.Petitjean A, Smith-Palmer J, Valentine W, Tehard B, Roze S.BMC Cancer. 2019 Feb 11;19(1):140.

Assessment of the efficacy of successive endocrine therapies in hormone receptor–positive and HER2-negative metastatic breast cancer: a real-life multicentre national study.Le Saux O, Lardy-Cleaud A, Frank S, Debled M, Cottu PH, Pistilli B, Vanlemmens L, Leheurteur M, Levy C, Laborde L, Uwer L, D'hont V, Berchery D, Lorgis V, Ferrero JM, Perrocheau G, Courtinard C, Mouret-Reynier MA, Velten M, Breton M, Parent D, Chabaud S, Robain M, Bachelot T.Eur J Cancer. 2019 Sep;118:131-41.

CinéBreast-factors influencing the time to first metastatic recurrence in breast cancer: Analysis of real-life data from the French ESME MBC database.Gougis P, Carton M, Tchokothe C, Campone M, Dalenc F, Mailliez A, Levy C, Jacot W, Debled M, Leheurteur M, Bachelot T, Hennequin A, Perrin C, Goncalves A, Uwer L, Eymard JC, Mouret-Reynier MA, Chamorey E, Dimon G, Saghatchian M, Cailliot C, Le Tourneau C.Breast. 2019 Oct 30;49:17-24.

Real-life activity of eribulin mesylate among metastatic breast cancer patients in the multicenter national observational ESME program.Jacot W, Heudel P, Fraisse J, Gourgou S, Guiu S, Dalenc F, Pistilli B, Campone M, Levy C, Debled M, Leheurteur M, Chaix M, Lefeuvre C, Goncalves A, Uwer L, Ferrero JM, Eymard JC, Petit T, Mouret-Reynier MA, Courtinard C, Cottu P, Robain M, Mailliez A.Int J Cancer. 2019 Dec 15;145(12):3359-69

Impact of breast cancer molecular subtypes on the incidence, kinetics and prognosis of central nervous system metastases in a large multicentre real-life cohort.Darlix A, Louvel G, Fraisse J, Jacot W, Brain E, Debled M, Mouret-Reynier MA, Goncalves A, Dalenc F, Delaloge S, Campone M, Augereau P, Ferrero JM, Levy C, Fumet JD, Lecouillard I, Cottu P, Petit T, Uwer L, Jouannaud C,

Leheurteur M, Dieras V, Robain M, Chevrot M, Pasquier D, Bachelot T.Br J Cancer. 2019 Dec;121(12):991-1000

Treatment and outcomes in patients with central nervous system metastases from breast cancer in the real-life ESME MBC cohort.Pasquier D, Darlix A, Louvel G, Fraisse J, Jacot W, Brain E, Petit A, Mouret-Reynier MA, Goncalves A, Dalenc F, Deluche E, Frenel JS, Augereau P, Ferrero JM, Geffrelot J, Fumet JD, Lecouillard I, Cottu P, Petit T, Uwer L, Jouannaud C, Leheurteur M, Dieras V, Robain M, Mouttet-Audouard R, Bachelot T, Courtinard C.Eur J Cancer. 2020 Jan;125:22–30

Radiation Therapy to the Primary Tumor for de Novo Metastatic Breast Cancer and Overall Survival in a Retrospective Multicenter Cohort Analysis.Pons-Tostivint E, Kirova Y, Lusque A, Campone M, Geffrelot J, Rivera S, Mailliez A, Pasquier D, Madranges N, Firmin N, Crouzet A, Goncalves A, Jankowski C, De La Motte Rouge T, Pouget N, De la Lande B, Mouttet-Boizat D, Ferrero JM, Uwer L, Eymard JC, Mouret-Reynier MA, Petit T, Courtinard C, Filleron T, Robain M, Dalenc F.Radiother and Oncol. 2020 Apr;145:109-16.

Contemporary outcomes of metastatic breast cancer among 22,000 women from the multicentre ESME cohort 2008-2016. Deluche E, Antoine A, Bachelot T, Lardy-Cleaud A, Dieras V, Brain E, Debled M, Jacot W, Mouret-Reynier MA, Goncalves A, Dalenc F, Patsouris A, Ferrero JM, Levy C, Lorgis V, Petit T, Uwer L, Jouannaud C, Leheurteur M, Lacroix-Triki M, Courtinard C, Perol D, Robain M, Delaloge S.Eur J Cancer. 2020 Apr;129:60-70

Real-World Evaluation of Oral Vinorelbine in the Treatment of Metastatic Breast Cancer: An ESME-MBC Study.Heudel P, Delaloge S, Parent D, Madranges N, Levy C, Dalenc F, Brain E, Uwer L, D'hont V, Augereau P, Mailliez A, Perrin C, Frenel JS, Sablin MP, Mouret-Reynier MA, Vermeulin T, Eymard JC, Petit T, Ferrero JM, Ilie S, Goncalves A, Chenuc G, Robain M, Simon G, Perol D.Anticancer Res. 2020 Jul;40(7):3905-13

Impact of Age at Diagnosis of Metastatic Breast Cancer on Overall Survival in the Real-Life ESME Metastatic Breast Cancer Cohort.Frank S, Carton M, Dubot C, Campone M, Pistilli B, Dalenc F, Mailliez A, Levy C, D'hont V, Debled M, Vermeulin T, Coudert B, Perrin C, Goncalves A, Uwer L, Ferrero JM, Eymard JC, Petit T, Mouret-Reynier MA, Patsouris A, Guesmia T, Bachelot T, Robain M, Cottu P.The Breast. 2020 Aug;52:50-57

Palliative Care Delivery According to Age in 12,000 Women with Metastatic Breast Cancer: Analysis in the Multicentre ESME-MBC Cohort 2008–2016.Frasca M, Sabathe C, Delaloge S, Galvin A, Patsouris A, Levy C, Mouret-Reynier MA, Desmoulins I, Vanlemmes L, Bachelot T, Goncalves A, Perotin V, Uwer L, Frenel JS, Ferrero JM, Bouleuc C, Eymard JC, Dieras V, Leheurteur M, Petit T, Dalenc F, Jaffre A, Chevrot M, Courtinard C, Mathoulin-Pelissier S.Eur J Cancer. 2020 Sep;137:240-49.

Management and Outcome of Male Metastatic Breast Cancer in the National Multicenter Observational Research Program Epidemiological Strategy and Medical Economics (ESME).Sirieix J, Fraisse J, Mathoulin-Pelissier S, Leheurteur M, Vanlemmens L, Jouannaud C, Dieras V, Levy C, Ung M, Mouret-Reynier MA, Petit T, Coudert B, Brain E, Pistilli B, Ferrero JM, Goncalves A, Uwer L, Patsouris, Tredan O, Courtinard C, Gourgou S, Frenel JS.Ther Adv Med Oncol 2020 Dec 23;12.

Real-Life Prognosis of 5041 Bone-Only Metastatic Breast Cancer Patients in the Multicenter National Observational ESME Program.Bertho M, Fraisse J, Patsouris A, Cottu P, Arnedos M, Perol D, Jaffre A, Goncalves A,Lebitasy MP, D'hont V, Dalenc F, Ferrero JM, Levy C, Dabakuyo S, Rouzier R, Penault-Llorca F, Uwer L, Eymard JC, Breton M, Chevrot M, Thureau S, Petit T, Simon G, Frenel JS.Ther Adv Med Oncol 2021 Jan;13.

Early Locoregional Breast Surgery and Survival in de novo Metastatic Breast Cancer in the Multicenter National ESME Cohort.Hotton J, Lusque A, Leufflen L,

Campone M, Levy C, Honart JF, Mailliez A, Debled M, Gutowski M, Leheurteur M, Goncalves A, Jankowski C, Guillermet S, Bachelot T, Ferrero JM, Eymard JC, Petit T, Pouget N, De la Lande B, Frenel JS, Villacroux O, Simon G, Pons-Tostivint E, Marchal F.Ann Surg. 2021 Jan;277(1):e153-61.

Impact of body mass index on overall survival in patients with metastatic breast cancer.Saleh K, Carton M, Dieras V, Heudel P-E, Brain E, D'hondt V, Mailliez A, Patsouris A, Mouret-Reynier MA, Goncalves A, Ferrero JM, Petit T, Emile G, Uwer L, Debled M, Dalenc F, Jouannaud C, Ladoire S, Leheurteur M, Cottu P, Veron L, Savignoni A, Courtinard C, Robain M, Delaloge S, Deluche E.Breast. 2021 Feb;55:16–24.

Outcome beyond third-line chemotherapy for metastatic triple negative breast cancer in the French ESME program.Cabel L, Carton M, Pistilli B, Dalenc F, Vanlemmens L, Levy C, Jacot W, Debled M, Loeb A, Hennequin A, De La Motte Rouge T, Laborde L, Laurent C, Chalorey E, Parent D, Petit T, Mouret-Reynier MA, Campone M, Perrocheau G, Labreveux C, Bachelot T, Robain M, Lerebours F.The Breast. 2021 Apr; 56:18-25.

Phenotypic Discordance between Primary and Metastatic Breast Cancer in the Large-Scale Real-Life Multicenter French ESME Cohort.Grinda T, Joyon N, Lusque A, Lefèvre S, Arnould L, Penault-Llorca F, Macgrogan G, Treilleux I, Vincent-Salomon A, Haudebourg J, Maran-Gonzales A, Charafe-Jauffret E, Courtinard C, Franchet C, Verriele V, Brain E, Tas P, Blanc-Fournier C, Leroux A, Lousouarn D, Berghian A, Brabencova E, Gh,assia JP, Scoazec JY, Delaloge S, Filleron T, Lacroix-Tikri M.NPJ Breast Cancer. 2021 Apr;7(1):41.

Breast cancer patients treated with intrathecal therapy for leptomeningeal metastases in a large real-life database.Carausu M, Carton M, Darlix A, Pasquier D, Leheurteur M, Debled M, Mouret-Reynier MA, Goncalves A, Dalenc F, Verret B, Campone M, Augereau P, Ferrero JM, Levy C, Fumet JD, Lefeuvre-Plesse C, Petit T, Uwer L, Jouannaud C, Larrouquere L, Chevrot M, Courtinard C, Cabel

L.ESMO Open. 2021 Jun;6(3):100150.

Evolution of overall survival and receipt of new therapies by subtype among 20 446 metastatic breast cancer patients in the 2008-2017 ESME cohort.Grinda T, Antoine A, Jacot W, Blaye C, Cottu PH, Diéras V, Dalenc F, Goncalves A, Debled M, Patsouris, Mouret-Reynier MA, Mailliez A, Clatot F, Levy C, Ferrero JM, Desmoulins I, Uwer L, Petit T, Jouannaud C, Lacroix-Tokri M, Deluche E, Robain M, Courtinard C, Bachelot T, Brain E, Perol D, Delaloge S.ESMO Open. 2021 Jun;6(3):100114.

Metastatic inflammatory breast cancer: survival outcomes and prognostic factors in the national and real-life French cohort (ESME).Dano D, Lardy-Cléaud A, Monneur A, Quenel-Tueux N, Levy C, Mouret-Reynier MA, Coudert B, Mailliez A, Ferrero JM, Guiu S, Campone M, De La Motte Rouge T, Petit T, Pistilli B, Dalenc F, Simon G, Lerebours F, Chabaud S, Bertucci F, Goncalves A.ESMO Open. 2021 Aug;6(4):100220.

Addressing the Issue of Bias in Observational Studies: Using Instrumental Variables and a Quasi-Randomization Trial in an ESME Research Project.Ezzalfani M, Porcher R, Savignoni A, Delaloge S, Filleron T, Robain M, Perol D, ESME Group.PLoS One. 2021 Sep;16(9): e0255017.

De Novo Metastatic Breast Cancer in Patients with a Small Locoregional Tumour (T1-T2/N0): Characteristics and Prognosis.Gaillard, T, Carton M, Mailliez A, Desmoulins I, Mouret-Reynier MA, Petit T, Leheurteur M, Dieras V, Ferrero JM, Uwer L, Guiu S, Goncalves A, Levy C, Debled M, Dalenc F, Patsouris A, Bachelot T, Eymard JC, Chevrot M, Conversano A, Robain M, Hequet D.Eur J Cancer. 2021 Oct; 158:181-8.

Treatment and outcomes of older versus younger women with HER2-positive metastatic breast cancer in the multicenter national observational ESME database.Annonay M, Gauquelin L, Geiss R, Ung M, Cristol-Dalstein L, Mouret-Reynier MA, Goncalves A, Abadie-Lacourtoisie S, François E, Perrin C, Le Fel J,

Lorgis V, Servent V, Uwer L, Jouannaud C, Leheurteur M, Joly F, Campion L, Courtinard C, Villacroux O, Petit T, Soubeyran P, Terret C, Bellera C, Brain E, Delaloge S.The Breast. 2021 Dec;60:138-46.

Progression free survival on endocrine therapy, before or after chemotherapy, in hormone receptor-positive HER2-negative metastatic breast cancerCorbaux P, Lardy-Cleaud A, Alexandre M, Fontanilles M, Lévy C, Viansone A, Mailiez A, Debled M, Goncalves A, Le Du F, Lerebours F, Ferrero JM, Eymard JC, Mouret-Reynier MA, Petit T, Frenel JS, Dalenc F, Courtinard C, Chaix M, Bachelot TBreast Cancer Res Treat 2021 Oct.

Real-World Evidence of the Management and Prognosis of Young Women (⩽40 Years) with de Novo Metastatic Breast Cancer.Mallet A, Lusque A, Levy C, Pistilli B, Brain E, Pasquier D, Debled M, Thery JC, Goncalves A, Desmoulins I, De la Motte Rouge T, Faure C, Ferrero JM, Eymard JC, Mouret-Reynier MA, Patsouris A, Cottu P, Dalenc F, Petit T, Payen O, Uwer L, Guiu S, Frenel JS.Ther Adv Med Oncol. 2022 Jan;14.

Clinicopathological Characteristics and Prognosis of Breast Cancer Patients with Isolated Central Nervous System Metastases in the Multicentre ESME Database.Carausu M, Carton M, Cabel L, Patsouris A, Levy C, Verret B, Pasquier D, Debled M, Goncalves A, Desmoulins I, Lecouillard I, Bachelot T, Ferrero JM, Eymard JC, Mouret-Reynier MA, Chevrot M, De Maio E, Uwer L, Frenel JS, Leheurteur, Petit T, Darlix A, Bozec L.Ther Adv Med Oncol. 2022 Feb;14.

Enrollment of Older Metastatic Breast Cancer Patients in First-Line Clinical Trials: 9-Year Experience of the Large-Scale Real-Life Multicenter French ESME Cohort.Bringuier M, Carton M, Levy C, Patsouris A, Pasquier D, Debled M, Rigal O, Jacot W, Goncalves A, Desmoulins I, De la Motte Rouge T, Bachelot T, Ferrero JM, Eymard JC, Ung M, Mouret-Reynier MA, Petit T, Chevrot M, Uwer L, Courtinard C, Frenel JS, Vianzone A, Baldini CBreast Can Res Treat. 2022 Feb;191(3):577-87.

Impact of Lobular versus Ductal Histology on Overall Survival in Metastatic Breast Cancer: A French Retrospective Multicentre Cohort Study.Dalenc F, Lusque A, De La Motte Rouge T, Pistilli B, Brain E, Pasquier D, Debled M, Thery JC, Goncalves A, Desmoulins I, Levy C, Uwer L, Ferrero JM, Eymard JC, Mouret-Reynier MA, Patsouris A, Frenel JS, Petit T, Chevrot M, Bachelot T, Guiu S.Eur J Cancer. 2022 Mar;164: 70–9.

Efficacy of trastuzumab emtansine (T-DM1) and lapatinib after dual HER2 inhibition with trastuzumab and pertuzumab in patient with metastatic breast cancer: Retrospective data from a French multicenter real-life cohort.Moinard-Butot F, Saint-Martin C, Pflumio C, Carton M, Jacot W, Cottu PH, Dieras V, Dalenc F, Goncalves A, Debled M, Patsouris A, Mouret-Reynier MA, Vanlemmens L, Leheurteur M,Emile G, Ferrero JM, Desmoulins I, Uwer L, Eymard JC, Cheaib B, Courtinard C, Bachelot T, Chevrot M, Petit T. The Breast. 2022 Mar;164:70–9.

Comparison of Management and Outcomes in ERBB2-Low vs ERBB2-Zero Metastatic Breast Cancer in France.De Calbiac O, Lusque A, Maillez A, Bachelot T, Uwer L, Mouret-Reynier MA, Emile G, Jouannaud C, Goncalves A, Patsouris A, Dieras V, Leheurteur M, Petit T, Cottu P, Ferrero JM, D’hont V, Desmoulins I, Mourato-Ribeiro J, Martin AL, Frenel JSJAMA Network Open. 2022 Sep; 5(9):e2231170.

Efficacy of taxane rechallenge in early metastatic relapse of HER2-negative breast cancer patients previously treated with taxane.Vasseur A, Carton M, Guiu S, Augereau P, Uwer L, Mouret-Reynier MA, Levy C, Eymard JC, Ferrero JM, Leheurteur M, Goncalves A, Robert M, De la Motte Rouge T, Bachelot T, Petit T, Debled M, Grinda T, Desmoulins I, Vanlemmens L, Nicolai V, Simon G, Cabel L.The Breast. 2022 Oct;65:136-44.

Outcomes of patients with HER2-negative metastatic breast cancer after platinum- and non-platinum-based first-line chemotherapy among patients with and without pathogenic germline BRCA1/2 mutations.Jacot W, Lusque A, Vicier

C, Mailliez A, De la Motte Rouge T, Cabel L, Levy C, Patsouris A, Desmoulins I, Uwer L, Thery JC, Robain M, Caron O, Tredan O, Filleron T, Frenel JS, Delaloge S.Br J Cancer. 2022 Nov;127(11):1963-73.

Association of Endocrine Therapy for HR+/ERBB2+ Metastatic Breast Cancer With Survival Outcomes.Carausu M, Carton M, Dieras V, Petit T, Guiu S, Goncalves A, Augereau P, Ferrero JM, Levy C, Ung M, Desmoulins I, Debled M, Bachelot T, Pistilli B, Frenel JS, Mailliez A, Chevrot M, Cabel L. JAMA Network Open. 2022 Dec; 5(12):e2247154.

Long-Term Results with Everolimus in Advanced Hormone Receptor Positive Breast Cancer in a Multicenter National Real-World Observational Study.François-Martin H, Lardy-Cléaud A, Pistilli B, Levy C, Dieras V, Frenel JS, Guiu S, Mouret-Reynier MA, Maillliez A, Eymard JC, Petit T, Ung M, Desmoulins I, Augereau P, Bachelot T, Uwer L, Debled M, Ferrero JM, Caltot F, Goncalves A, Chevrot M, Chabaud S, Cottu P.Cancer. 2023 Feb;15(4):1191.

Survival outcome of metastatic breast cancer patients by germline BRCA1/2 status in a large multicenter real-world database.Mailliez A, D'hont V, Lusque A, Caron O, Cabel L, Goncalves A, Debled M, Gladieff L, Ferrero JM, Petit T, Mouret-Reynier MA, Eymard JC, Levy C, Uwer L, Leheurteur M, Desmoulins I, Bachelot T, Frenel JS, De la Motte Rouge T, Simon G, Jacot W, Delaloge S.Int J Cancer. 2023 Mar;152(5):921-31.

Clinical outcome of patients with isolated central nervous system progression on first-line Pertuzumab and Trastuzumab treatment for HER2-positive metastatic breast cancer in real life cohort.Collet L, Eberst L, Gauthier L, Debled M, Hrab I, Mouret-Reynier MA, Desmoulins I, Goncalves A, Campone M, Ferrero JM, Brain E, Uwer L, Eymard JC, Dieras V, Simon G, Leheurteur M, Dalenc F, Vanlemmens L, Darlix A, Arnedos M, Bachelot T.Breast Cancer. 2023 Mar;30(2):329-41.

Association between progression-free survival and overall survival in women receiving first-line treatment for metastatic breast cancer: evidence from the ESME real-world database. Courtinard C, Gourgou S, Jacot W, Carton M, Guérin O, Vacher L, Bertaut A, Le Deley MC, Perol D, Marino P, Levy C, Uwer L, Perrocheau G, Schiappa R, Bachelot F, Parent D, Breton M, Petit T, Filleron T, Loeb A, Mathoulin-Pelissier S, Robain M, Delaloge S, Bellera C.BMC Med. 2023 Mar;21(1):87

Efficacy of front-line treatment for hormone receptor-positive HER2-negative metastatic breast cancer with BRCA1/2 mutation.Frenel JS, Lusque A, Delaloge S, Ferrero JM, Bachelot T, Desmoulins I, Levy C, Eymard JC, Goncalves A, Patsouris A, Mouret-Reynier MA, Thery JC, Petit T, Cabel L, Uwer L, Chevrot M, Maillliez A, Jacot W, De la Motte Rouge T.Br J Cancer. 2023 Jun;128(11):2072-80.

Target trial emulation to assess real-world efficacy in the Epidemiological Strategy and Medical Economics metastatic breast cancer cohort.Antoine A, Pérol D, Robain M, Delaloge S, Lasset C, Drouet Y.JNCI. 2023 Aug;115(8):971-80.

Real-world clinical and survival outcomes of patients with early relapsed triple-negative breast cancer from the ESME national cohort.Grinda T, Antoine A, Jacot W, Cottu PH, De la Motte Rouge T, Frenel JS, Mailliez A, Dalenc F, Goncalves A, Clatot F, Mouret-Reynier MA, Levy C, Ferrero JM, Desmoulins I, Uwer L, Petit T, Jouannaud C, Arnedos M, Chevrot M, Courtinard C, Tredan O, Brain E, Perol D, Pistilli B, Delaloge S.Eur J Cancer. 2023 Aug;1189:112935

Real-world impact of adjuvant anti-HER2 treatment on characteristics and outcomes of women with HER2-positive metastatic breast cancer in the ESME program.Le Du F, Carton M, Bachelot T, Saghatchian M, Pistilli B, Brain E, Loirat D, Vanlemmens L, Vermeuin T, Emile G, Goncalves A, Ung M, Robert M, Jaffre A, Desmoulins I, Jouannaud C, Uwer L, Ferrero JM, Mouret-Reynier MA, Jacot W, Chevrot M, Delaloge S, Dieras V.The Oncologist. 2023 Aug;137

First-line real-world treatment patterns and survival outcomes in women younger or older than 40 years with metastatic breast cancer in the real-life multicenter French ESME cohort.Galvin A, Courtinard C, Bouteiller F, Gourgou S, Dalenc F, Jacot W, Arnedos M, Bailleux C, Dieras V, Petit T, Emile G, Dubray-Longeras P, Frenel JS, Bachelot T, Mailliez A, Brain E, Desmoulins I, Massard V, Patsouris A, Goncalves A, Grinda T, Delaloge S, Bellera C.Eur J Cancer. 2023 Nov;196

Incidence and outcome of brain and/or leptomeningeal metastases in HER2-low metastatic breast cancer in the French ESME cohort.Epaillard N, Lusque A, Jacot W, Mailliez A, Bachelot T, Arnedos M, Dieras V, Brain E, Ferrero JM, Massard V, Desmoulins I, Mouret-Reynier MA, Levy C, Goncalves A, Leheurteur M, Petit T, Filleron T, Bosquet L, Pistilli B, Frenel JS.ESMO Open. 2024

Real-word effectiveness of post-trastuzumab emtansine treatment for human epidermal growth factor. Receptor 2-positive metastatic breast cancer: a multicenter, maltcjhed cohort analysis from the Epidermology Strategy and Medical Economics database (2008-2018)Courtinard C, Barbet V, Schiappa R, Pilleul F, Michiels S, Dabakuyo S, Gourgou S, Jaffre A, Asselain B, Bosquet L, Dunton K, Rosenlund M, Liang Z, Cathcart J, Delaloge S.Real-World Data and Digital Oncology. 2024

Assessing the real-world effectiveness of 8 major metastatic breast cancer drugs using target trial emulationAntoine A, Pérol D, Robain M, Bachelot T, Choquet R, Jacot W, Yahia BBH, Grinda T, Delaloge S, Lasset C, Drouet YEur J Cancer. 2024

Studies

No information provided.

Data elements collected

The data source contains the following information

Disease information

Does the data source collect information with a focus on a specific disease? This might be a patient registry or other similar initiatives.

Yes

Disease details

Breast cancer metastatic

Rare diseases

Are rare diseases captured? In the European Union a rare disease is one that affects no more than 5 people in 10,000.

No

Pregnancy and/or neonates

Does the data source collect information on pregnant women and/or neonatal subpopulation (under 28 days of age)?

No

Hospital admission and/or discharge

No

ICU admission

Is information on intensive care unit admission available?

No

Cause of death

Captured

Prescriptions of medicines

Captured

Prescriptions vocabulary

other

Prescriptions vocabulary, other

international nonproprietary name (INN) for anti-cancer drugs only

Dispensing of medicines

Captured

Dispensing vocabulary

other

Dispensing vocabulary, other

international non proprietary name (INN) for anti-cancer drugs only

Advanced therapy medicinal products (ATMP)

Is information on advanced therapy medicinal products included? A medicinal product for human use that is either a gene therapy medicinal product, a somatic cell therapy product or a tissue engineered products as defined in Regulation (EC) No 1394/2007 [Reg (EC) No 1394/2007 Art 1(1)].

Yes

Contraception

Is information on the use of any type of contraception (oral, injectable, devices etc.) available?

No

Indication for use

Does the data source capture information on the therapeutic indication for the use of medicinal products?

Not Captured

Medical devices

Is information on medicinal devices (e.g., pens, syringes, inhalers) available?

No

Administration of vaccines

No

Procedures

Does the data source capture information on procedures (e.g., diagnostic tests, therapeutic, surgical interventions)?

Captured

Procedures vocabulary

Not coded (Free text)

Healthcare provider

Is information on the person providing healthcare (e.g., physician, pharmacist, specialist) available? The healthcare provider refers to individual health professionals or a health facility organisation licensed to provide health care diagnosis and treatment services including medication, surgery and medical devices.

No

Clinical measurements

Is information on clinical measurements (e.g., BMI, blood pressure, height) available?

Yes

Genetic data

Are data related to genotyping, genome sequencing available?

Not Captured

Biomarker data

Does the data source capture biomarker information? The term “biomarker” refers to a broad subcategory of medical signs (objective indications of medical state observed from outside the

patient), which can be measured accurately and reproducibly. For example, haematological assays, infectious disease markers or metabolomic biomarkers.

Captured

Biomarker data vocabulary

Other

Biomarker vocabulary, other

Gene alteration (BRCA, PALB2, RAD51, PTEN, MSH6, MSH2, TP53, MLH1, CDH1, PMS2, EPCAM...) collected as pre-listed variables and HER2/RH status collected.

Patient-reported outcomes

Is information on patient-reported outcomes (e.g., quality of life) available?

No

Patient-generated data

Is patient-generated information (e.g., from wearable devices) available?

No

Units of healthcare utilisation

Are units of healthcare utilisation (e.g., number of visits to GP per year, number of hospital days) available or can they be derived? Units of healthcare utilisation refer to the quantification of the use of services for the purpose of preventing or curing health problems.

No

Unique identifier for persons

Are patients uniquely identified in the data source?

Yes

Diagnostic codes

Not Captured

Medicinal product information

Captured

Medicinal product information collected

Active ingredient(s)

Brand name

Route of administration

Medicinal product vocabulary

Other

If 'other,' what vocabulary is used?

international nonproprietary name (INN)

Quality of life measurements

Not Captured

Lifestyle factors

Not Captured

Sociodemographic information

Captured

Sociodemographic information collected

Age

Gender

Other

Sex

Sociodemographic information other

Menopausal status, weight

Quantitative descriptors

Population age groups

Adult and elderly population (≥18 years)

Estimated percentage of the population covered by the data source in the catchment area

38 000 patients included in the 2025 ESME-MBC database.
This database compiles data from existing data available from patient's electronic medical records (EMR) at 20 participating hospitals (French comprehensive cancer centers).

Description of the population covered by the data source in the catchment area whose data are not collected (e.g., people who are registered only for private care)

Comprehensive inclusion of all patients treated for metastatic breast cancer in the 20 participating hospitals.

Population

Population size

38.000

Data flows and management

Access and validation

Governance details

Documents or webpages that describe the overall governance of the data source and processes and procedures for data capture and management, data

quality check and validation results (governing data access or utilisation for research purposes).

ESME program_governance_2025.pdf

English (79.65 KB - PDF) View document

Biospecimen access

Are biospecimens available in the data source (e.g., tissue samples)?

No

Access to subject details

Can individual patients/practitioners/practices included in the data source be contacted?

No

Description of data collection

The database includes data related to patient demographics, tumor characteristics (age, primary diagnosis, histology, relapses, ECOG score, etc., treatments (dates, INN, route of administration, treatment protocols, reason for termination, etc.), and clinical events.
Data is collected at each participating site by technicians who are specifically trained for the project using an electronic data collection (eDC) tool.

Data imported into the final database are controlled, recoded, and harmonized before import according to the data management plan. All coding procedures are predefined by the data manager. There is no transmission of individual data; all data is centralized within each hospital using a shared anonymous format. All data is exclusively obtained retrospectively; no attempts are made to recover non available data from the patient's medical record by contacting healthcare providers or patients.

ESME MBC Database aims to be a clinical and therapeutic database centralizing existing and available data from different sources in French comprehensive cancer centers.

Data does not contain any personal data on patients. In compliance with the authorization delivered by the French Data Protection agency to Unicancer, only aggregated statistical reports and publication are released ouside Unicancer.

Event triggering registration

Event triggering registration of a person in the data source
Other

Event triggering registration of a person in the data source, other
Breast cancer with first metastasis occurence

Event triggering de-registration of a person in the data source
Other

Event triggering de-registration of a person in the data source, other
patient opposition to data use

Event triggering creation of a record in the data source
patient demographics, tumor characteristics (diagnosis, histology, relapses, metastatic disease, etc.), treatments (dates, INN, route of administration, treatment protocols, reason for termination, etc.), and clinical events.

Data source linkage

Linkage

Is the data source described created by the linkage of other data sources (prelinked data source) and/or can the data source be linked to other data source on an ad-hoc basis?

Yes

Linkage description, pre-linked

SNDS : Système National des données de santé (France) / will be available from second semester 2025.

Linkage description, possible linkage

probabilistic linkage

Data management specifications that apply for the data source

Data source refresh

Yearly

Possibility of data validation

Can validity of the data in the data source be verified (e.g., access to original medical charts)?

No

Data source preservation

Are records preserved in the data source indefinitely?

No

Data source preservation length (years)

20 years

Approval for publication

Is an approval needed for publishing the results of a study using the data source?

Yes

Data source last refresh

21/02/2025

Common Data Model (CDM) mapping

CDM mapping

Has the data source been converted (ETL-ed) to a common data model?

No