評価対象論文リスト（要因：乳製品、アウトカム：がん）

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①既存の系統的レビュー・メタ解析・統合解析

1	Yoon H, Benamouzig R, Little J, François-Collange M, Tomé D. Systematic review of epidemiological studies on meat, dairy products and egg consumption and risk of colorectal adenomas. Eur J Cancer Prev. 2000;9(3):151-164.
2	Qin LQ, Xu JY, Wang PY, Kaneko T, Hoshi K, Sato A. Milk consumption is a risk factor for prostate cancer: meta-analysis of case-control studies. Nutrition and Cancer. 2004;48(1):22-27. doi:10.1207/s15327914nc4801_4
3	Cho E, Smith-Warner SA, Spiegelman D, et al. Dairy foods, calcium, and colorectal cancer: a pooled analysis of 10 cohort studies. JNCI Journal of the National Cancer Institute. 2004;96(13):1015-1022. doi:10.1093/jnci/djh185
4	Dagnelie PC, Schuurman AG, Goldbohm RA, Van Den Brandt PA. Diet, anthropometric measures and prostate cancer risk: a review of prospective cohort and intervention studies. BJU International. 2004;93(8):1139-1150. doi:10.1111/j.1464-410X.2004.04795.x
5	Qin LQ, Xu JY, Wang PY, Hashi A, Hoshi K, Sato A. Milk/dairy products consumption, galactose metabolism and ovarian cancer: meta-analysis of epidemiological studies: European Journal of Cancer Prevention. 2005;14(1):13-19. doi:10.1097/00008469-200502000-00003
6	Gao X, LaValley MP, Tucker KL. Prospective studies of dairy product and calcium intakes and prostate cancer risk: a meta-analysis. JNCI: Journal of the National Cancer Institute. 2005;97(23):1768-1777. doi:10.1093/jnci/dji402
7	Larsson SC, Orsini N, Wolk A. Milk, milk products and lactose intake and ovarian cancer risk: A meta-analysis of epidemiological studies. Int J Cancer. 2006;118(2):431-441. doi:10.1002/ijc.21305
8	Genkinger JM, Hunter DJ, Spiegelman D, et al. Dairy products and ovarian cancer: a pooled analysis of 12 cohort studies. Cancer Epidemiology, Biomarkers & Prevention. 2006;15(2):364-372. doi:10.1158/1055-9965.EPI-05-0484
9	Huncharek M, Muscat J, Kupelnick B. Dairy products, dietary calcium and vitamin d intake as risk factors for prostate cancer: a meta-analysis of 26,769 cases from 45 observational studies. Nutrition and Cancer. 2008;60(4):421-441. doi:10.1080/01635580801911779
10	Huncharek M, Muscat J, Kupelnick B. Colorectal cancer risk and dietary intake of calcium, vitamin d, and dairy products: a meta-analysis of 26,335 cases from 60 observational studies. Nutrition & Cancer. 2009;61(1):47-69. doi:10.1080/01635580802395733
11	Hwang YW, Kim SY, Jee SH, Kim YN, Nam CM. Soy food consumption and risk of prostate cancer: a meta-analysis of observational studies. Nutrition and Cancer. 2009;61(5):598-606. doi:10.1080/01635580902825639
12	Huang YX, Qin LQ, Wang PY. Zhonghua Yu Fang Yi Xue Za Zhi. 2009;43(3):193-196.
13	Dong JY, Zhang L, He K, Qin LQ. Dairy consumption and risk of breast cancer: a meta-analysis of prospective cohort studies. Breast Cancer Res Treat. 2011;127(1):23-31. doi:10.1007/s10549-011-1467-5
14	Mao QQ, Dai Y, Lin YW, Qin J, Xie LP, Zheng XY. Milk consumption and bladder cancer risk: a meta-analysis of published epidemiological studies. Nutrition and Cancer. 2011;63(8):1263-1271. doi:10.1080/01635581.2011.614716
15	Li F, An S li, Zhou Y, et al. Milk and dairy consumption and risk of bladder cancer: a meta-analysis. Urology. 2011;78(6):1298-1305.
16	Aune D, Lau R, Chan DSM, et al. Dairy products and colorectal cancer risk: a systematic review and meta-analysis of cohort studies. Annals of Oncology. 2012;23(1):37-45. doi:10.1093/annonc/mdr269

17	Crane TE, Khulpateea BR, Alberts DS, Basen-Engquist K, Thomson CA. Dietary intake and ovarian cancer risk: a systematic review. Cancer Epidemiology, Biomarkers & Prevention. 2014;23(2):255-273. doi:10.1158/1055-9965.EPI-13-0515
18	Genkinger JM, Wang M, Li R, et al. Dairy products and pancreatic cancer risk: a pooled analysis of 14 cohort studies. Annals of Oncology. 2014;25(6):1106-1115. doi:10.1093/annonc/mdu019
19	Tian S bo, Yu J chun, Kang W ming, Ma Z qiang, Ye X, Cao Z jiang. Association between dairy intake and gastric cancer: a meta-analysis of observational studies. Zaykin D, ed. PLoS ONE. 2014;9(7):e101728. doi:10.1371/journal.pone.0101728
20	Keum N, Aune D, Greenwood DC, Ju W, Giovannucci EL. Calcium intake and colorectal cancer risk: Dose-response meta-analysis of prospective observational studies: Calcium intake and colorectal cancer. Int J Cancer. 2014;135(8):1940-1948. doi:10.1002/ijc.28840
21	Sun Y. Dairy product consumption and gastric cancer risk: A meta-analysis. WJG. 2014;20(42):15879. doi:10.3748/wjg.v20.i42.15879
22	Liu J, Tang W, Sang L, et al. Milk, yogurt, and lactose intake and ovarian cancer risk: a meta-analysis. Nutrition and Cancer. 2015;67(1):68-72. doi:10.1080/01635581.2014.956247
23	Guo Y, Shan Z, Ren H, Chen W. Dairy consumption and gastric cancer risk: a meta-analysis of epidemiological studies. Nutrition and Cancer. 2015;67(4):555-568. doi:10.1080/01635581.2015.1019634
24	Larsson S, Crippa A, Orsini N, Wolk A, Michaëlsson K. Milk consumption and mortality from all causes, cardiovascular disease, and cancer: a systematic review and meta-analysis. Nutrients. 2015;7(9):7749-7763. doi:10.3390/nu7095363
25	Zang J, Shen M, Du S, Chen T, Zou S. The association between dairy intake and breast cancer in western and asian populations: a systematic review and meta-analysis. J Breast Cancer. 2015;18(4):313. doi:10.4048/jbc.2015.18.4.313
26	Yang Y, Wang X, Yao Q, Qin L, Xu C. Dairy product, calcium intake and lung cancer risk: a systematic review with meta-analysis. Sci Rep. 2016;6(1):20624. doi:10.1038/srep20624
27	Li B ling, Jiang G xi, Xue Q, et al. Dairy consumption and risk of esophageal squamous cell carcinoma: A meta-analysis of observational studies: Dairy products and esophageal cancer. Asia-Pac J Clin Oncol. 2016;12(2):e269-e279. doi:10.1111/ajco.12183
28	Lu W, Chen H, Niu Y, Wu H, Xia D, Wu Y. Dairy products intake and cancer mortality risk: a meta-analysis of 11 population-based cohort studies. Nutr J. 2016;15(1):91. doi:10.1186/s12937-016-0210-9
29	Harrison S, Lennon R, Holly J, et al. Does milk intake promote prostate cancer initiation or progression via effects on insulin-like growth factors (Igfs)? A systematic review and meta-analysis. Cancer Causes Control. 2017;28(6):497-528. doi:10.1007/s10552-017-0883-1
30	Song X, Li Z, Ji X, Zhang D. Calcium intake and the risk of ovarian cancer: a meta-analysis. Nutrients. 2017;9(7):679. doi:10.3390/nu9070679
31	Vieira AR, Abar L, Chan DSM, et al. Foods and beverages and colorectal cancer risk: a systematic review and meta-analysis of cohort studies, an update of the evidence of the WCRF-AICR Continuous Update Project. Annals of Oncology. 2017;28(8):1788-1802. doi:10.1093/annonc/mdx171
32	Li X, Zhao J, Li P, Gao Y. Dairy products intake and endometrial cancer risk: a meta-analysis of observational studies. Nutrients. 2017;10(1):25.
33	Signal V, Huang S, Sarfati D, Stanley J, McGlynn KA, Gurney JK. Dairy consumption and risk of testicular cancer: a systematic review. Nutrition and Cancer. 2018;70(5):710-736. doi:10.1080/01635581.2018.1470655
34	Jeyaraman MM, Abou-Setta AM, Grant L, et al. Dairy product consumption and development of cancer: an overview of reviews. BMJ Open. 2019;9(1):e023625. doi:10.1136/bmjopen-2018-023625
35	Chen L, Li M, Li H. Milk and yogurt intake and breast cancer risk: A meta-analysis. Medicine. 2019;98(12):e14900. doi:10.1097/MD.0000000000014900
36	Bermejo LM, López-Plaza B, Santurino C, Cavero-Redondo I, Gómez-Candela C. Milk and dairy product consumption and bladder cancer risk: a systematic review and meta-analysis of observational studies. Advances in Nutrition. 2019;10:S224-S238. doi:10.1093/advances/nmy119

37	Mazidi M, Mikhailidis DP, Sattar N, Howard G, Graham I, Banach M. Consumption of dairy product and its association with total and cause specific mortality – A population-based cohort study and meta-analysis. Clinical Nutrition. 2019;38(6):2833-2845. doi:10.1016/j.clnu.2018.12.015
38	Yuan J, Li W, Sun W, Deng S. Milk and dairy products consumption and the risk of oral or oropharyngeal cancer: a meta-analysis. Bioscience Reports. 2019;39(12):BSR20193526. doi:10.1042/BSR20193526
39	Wu J, Yu Y, Huang L, Li Z, Guo P, Xu YW. Dairy product consumption and bladder cancer risk: a meta-analysis. Nutrition and Cancer. 2020;72(3):377-385. doi:10.1080/01635581.2019.1637909
40	Acham M, Wesselius A, Van Osch FHM, et al. Intake of milk and other dairy products and the risk of bladder cancer: a pooled analysis of 13 cohort studies. Eur J Clin Nutr. 2020;74(1):28-35. doi:10.1038/s41430-019-0453-6
41	Association between dairy product consumption and colorectal cancer risk in adults: a systematic review and meta-analysis of epidemiologic studies. Advances in Nutrition. 2020;11(4):1055-1057. doi:10.1093/advances/nmaa071
42	García EV, Sala-Serra M, Continente-Garcia X, Serral Cano G, Puigpinós-Riera R. The association between breast cancer and consumption of dairy products: a systematic review. La asociación entre cáncer de mama y el consumo de productos lácteos: una revisión sistemática. Nutr Hosp. 2020;34(3):589-598.
43	Jin S, Kim Y, Je Y. Dairy consumption and risks of colorectal cancer incidence and mortality: a meta-analysis of prospective cohort studies. Cancer Epidemiology, Biomarkers & Prevention. 2020;29(11):2309-2322. doi:10.1158/1055-9965.EPI-20-0127
44	Zhao Q, He Y, Wang K, et al. Dairy consumption and liver cancer risk: a systematic review and dose–response meta-analysis of observational studies. Nutrition and Cancer. 2021;73(11-12):2821-2831. doi:10.1080/01635581.2020.1862255
45	Sargsyan A, Dubasi HB. Milk consumption and prostate cancer: a systematic review. World J Mens Health. 2021;39(3):419. doi:10.5534/wjmh.200051
46	Wu Y, Huang R, Wang M, et al. Dairy foods, calcium, and risk of breast cancer overall and for subtypes defined by estrogen receptor status: a pooled analysis of 21 cohort studies. The American Journal of Clinical Nutrition. 2021;114(2):450-461. doi:10.1093/ajcn/nqab097
47	He Y, Tao Q, Zhou F, et al. The relationship between dairy products intake and breast cancer incidence: a meta-analysis of observational studies. BMC Cancer. 2021;21(1):1109. doi:10.1186/s12885-021-08854-w
48	Gil H, Chen QY, Khil J, et al. Milk intake in early life and later cancer risk: a meta-analysis. Nutrients. 2022;14(6):1233. doi:10.3390/nu14061233
49	Liang Z, Song X, Hu J, et al. Fermented dairy food intake and risk of colorectal cancer: a systematic review and meta-analysis. Front Oncol. 2022;12:812679. doi:10.3389/fonc.2022.812679
50	Jin S, Je Y. Dairy consumption and total cancer and cancer-specific mortality: a meta-analysis of prospective cohort studies. Advances in Nutrition. 2022;13(4):1063-1082. doi:10.1093/advances/nmab135
51	Alegria-Lertxundi I, Bujanda L, Arroyo-Izaga M. Role of dairy foods, fish, white meat, and eggs in the prevention of colorectal cancer: a systematic review of observational studies in 2018–2022. Nutrients. 2022;14(16):3430. doi:10.3390/nu14163430
52	Arafa A, Eshak ES, Dong JY, et al. Dairy intake and the risk of pancreatic cancer: the Japan Collaborative Cohort Study (Jacc study) and meta-analysis of prospective cohort studies. Br J Nutr. 2022;128(6):1147-1155. doi:10.1017/S0007114521004232
53	Zhao Z, Wu D, Gao S, et al. The association between dairy products consumption and prostate cancer risk: a systematic review and meta-analysis. Br J Nutr. 2023;129(10):1714-1731. doi:10.1017/S0007114522002380
54	Takata Y, Yang JJ, Yu D, et al. Calcium intake and lung cancer risk: a pooled analysis of 12 prospective cohort studies. The Journal of Nutrition. 2023;153(7):2051-2060. doi:10.1016/j.tjnut.2023.03.011
55	Arafat HM, Omar J, Shafii N, et al. The association between breast cancer and consumption of dairy products: a systematic review. Annals of Medicine. 2023;55(1):2198256. doi:10.1080/07853890.2023.2198256

②日本人集団の個別疫学研究

56	Kondo R.Epidemiological study on cancer of the colon and the rectum.1975. Nagoya Med
57	Shimizu H. A case-control study of lung cancer by histologic type. 1983. Haigan
58	Watanabe Y, Tada M, Kawamoto K, et al. Nihon Shokakibyo Gakkai Zasshi. 1984;81(2):185-193.
59	Hirohata T, Shigematsu T, Nomura AM, Nomura Y, Horie A, Hirohata I. Occurrence of breast cancer in relation to diet and reproductive history: a case-control study in Fukuoka, Japan. Natl Cancer Inst Monogr. 1985;69:187-190.
60	Tajima K, Tominaga S. Dietary habits and gastro-intestinal cancers: a comparative case-control study of stomach and large intestinal cancers in Nagoya, Japan. Jpn J Cancer Res. 1985;76(8):705-716.
61	Mishina T, Watanabe H, Araki H, Nakao M. Epidemiological study of prostatic cancer by matched-pair analysis. The Prostate. 1985;6(4):423-436. doi:10.1002/pros.2990060411
62	Kono S, Ikeda M, Tokudome S, Kuratsune M. A case-control study of gastric cancer and diet in northern kyushu, japan. Japanese Journal of Cancer Research. 1988;79(10):1067-1074. doi:10.1111/j.1349-7006.1988.tb01528.x
63	Mori M, Harabuchi I, Miyake H, Casagrande JT, Henderson BE, Ross RK. Reproductive, genetic, and dietary risk factors for ovarian cancer. American Journal of Epidemiology. 1988;128(4):771-777. doi:10.1093/oxfordjournals.aje.a115030
64	Shimizu H, Morishita M, Mizuno K, et al. A case-control study of lung cancer in nonsmoking women. Tohoku J Exp Med. 1988;154(4):389-397.
65	Hirayama T. A large-scale cohort study on risk factors for primary liver cancer, with special reference to the role of cigarette smoking. Cancer Chemother Pharmacol. 1989;23(S1):S114-S117. doi:10.1007/BF00647254
66	Hirayama T. Gan No Rinsho. 1990;Spec No:233-242.
67	Hirayama T. Life-style and mortality: a large-scale census-based cohort study in Japan. 1990 .Contribution to epidemiology and biostatistics, Karger Basel
68	Kikuchi S, Okamoto N, Suzuki T, et al. Gan No Rinsho. 1990;Spec No:365-369.
69	Mizuno S, Watanabe S, Nakamura K, et al. A multi-institute case-control study on the risk factors of developing pancreatic cancer. Jpn J Clin Oncol.
70	Kato I, Miura S, Kasumi F, et al. A case-control study of breast cancer among Japanese women: with special reference to family history and reproductive and dietary factors. Breast Cancer Res Tr. 1992;24(1):51-59. doi:10.1007/BF01832358
71	Hoshiyama Y, Sekine T, Sasaba T. A case-control study of colorectal cancer and its relation to diet, cigarettes, and alcohol consumption in saitama prefecture, japan. Tohoku J Exp Med. 1993;171(2):153-165. doi:10.1620/tjem.171.153
72	Kotake K, Koyama Y, Nasu J, Fukutomi T, Yamaguchi N. Relation of family history of cancer and environmental factors to the risk of colorectal cancer: a case-control study. Jpn J Clin Oncol. 1995;25(5):195-202.
73	Inoue M, Tajima K, Hirose K, et al. Subsite-specific risk factors for colorectal cancer: a hospital-based case-control study in Japan. Cancer Causes Control. 1995;6(1):14-23. doi:10.1007/BF00051676
74	Hirose K, Tajima K, Hamajima N, et al. Subsite (Cervix/endometrium)-specific risk and protective factors in uterus cancer. Japanese Journal of Cancer Research. 1996;87(9):1001-1009. doi:10.1111/j.1349-7006.1996.tb02132.x
75	Ohba S, Nishi M, Miyake H. Eating habits and pancreas cancer. Int J Pancreatol. 1996;20(1):37-42. doi:10.1007/BF02787374
76	Kinjo. Y, Cui Y, Akiba S, et al. Mortality risks of oesophageal cancer associated with hot tea, alcohol, tobacco and diet in japan. Journal of Epidemiology. 1998;8(4):235-243. doi:10.2188/jea.8.235
77	Ping Y, Ogushi Y, Okada Y, Haruki Y, Okazaki I, Ogawa T. Lifestyle and colorectal cancer: A case-control study. Environ Health Prev Med. 1998;3(3):146-151. doi:10.1007/BF02931705

78	Hirose K, Hamajima N, Takezaki T, et al. Smoking and dietary risk factors for cervical cancer at different age group in japan. Journal of Epidemiology. 1998;8(1):6-14. doi:10.2188/jea.8.6
79	Mori M, Nishida T, Sugiyama T, et al. Anthropometric and other risk factors for ovarian cancer in a case‑control study. Japanese Journal of Cancer Research. 1998;89(3):246-253. doi:10.1111/j.1349-7006.1998.tb00555.x
80	Key TJ, Sharp GB, Appleby PN, et al. Soya foods and breast cancer risk: A prospective study in Hiroshima and Nagasaki, Japan. Br J Cancer. 1999;81(7):1248-1256. doi:10.1038/sj.bjc.6690837
81	Murata M, Tagawa M, Watanabe S, Kimura H, Takeshita T, Morimoto K. Genotype difference of aldehyde dehydrogenase 2 gene in alcohol drinkers influences the incidence of japanese colorectal cancer patients. Japanese Journal of Cancer Research. 1999;90(7):711-719. doi:10.1111/j.1349-
82	Ozasa K, Watanabe Y, Ito Y, et al. Dietary habits and risk of lung cancer death in a large‑scale cohort study (Jacc study) in japan by sex and smoking habit. Japanese Journal of Cancer Research. 2001;92(12):1259-1269. doi:10.1111/j.1349-7006.2001.tb02148.x
83	Takezaki T, Hirose K, Inoue M, et al. Dietary factors and lung cancer risk in Japanese: with special reference to fish consumption and adenocarcinomas. Br J Cancer. 2001;84(9):1199-1206. doi:10.1054/bjoc.2001.1722
84	Takezaki T, Inoue M, Kataoka H, et al. Diet and lung cancer risk from a 14-year population-based prospective study in japan: with special reference to fish consumption. Nutrition and Cancer. 2003;45(2):160-167. doi:10.1207/S15327914NC4502_04
85	Hirose K, Takezaki T, Hamajima N, Miura S, Tajima K. Dietary factors protective against breast cancer in Japanese premenopausal and postmenopausal women. Intl Journal of Cancer. 2003;107(2):276-282. doi:10.1002/ijc.11373
86	Ito L. Dietary factors and the risk of gastric cancer among japanese women a comparison between the differentiated and non-differentiated subtypes. Annals of Epidemiology. 2003;13(1):24-31. doi:10.1016/S1047-2797(02)00269-7
87	Allen NE, Sauvaget C, Roddam AW, et al. A prospective study of diet and prostate cancer in Japanese men. Cancer Causes Control. 2004;15(9):911-920. doi:10.1007/s10552-004-1683-y
88	Khan MM, Goto R, Kobayashi K, et al. Dietary habits and cancer mortality among middle aged and older Japanese living in hokkaido, Japan by cancer site and sex. Asian Pac J Cancer Prev. 2004;5(1):58-65.
89	Kojima M, Wakai K, Tamakoshi K, et al. Diet and colorectal cancer mortality: results from the japan collaborative cohort study. Nutrition and Cancer. 2004;50(1):23-32. doi:10.1207/s15327914nc5001_4
90	Huang XE, Hirose K, Wakai K, et al. Comparison of lifestyle risk factors by family history for gastric, breast, lung and colorectal cancer. Asian Pac J Cancer Prev. 2004;5(4):419-427.
91	Sonoda T, Nagata Y, Mori M, et al. A case‑control study of diet and prostate cancer in Japan: possible protective effect of traditional Japanese diet. Cancer Science. 2004;95(3):238-242. doi:10.1111/j.1349-7006.2004.tb02209.x
92	Hirose K, Imaeda N, Tokudome Y, et al. Soybean products and reduction of breast cancer risk: a case–control study in Japan. Br J Cancer. 2005;93(1):15-22. doi:10.1038/sj.bjc.6602659
93	Lin Y, Kikuchi S, Tamakoshi A, et al. Dietary habits and pancreatic cancer risk in a cohort of middle-aged and elderly japanese. Nutrition and Cancer. 2006;56(1):40-49. doi:10.1207/s15327914nc5601_6
94	Wakai K, Hirose K, Matsuo K, et al. Dietary risk factors for colon and rectal cancers: a comparative case-control study. Journal of Epidemiology. 2006;16(3):125-135. doi:10.2188/jea.16.125
95	Matsumoto M, Ishikawa S, Nakamura Y, Kayaba K, Kajii E. Consumption of dairy products and cancer risks. Journal of Epidemiology. 2007;17(2):38-44. doi:10.2188/jea.17.38

96	Iso H, Kubota Y; Japan Collaborative Cohort Study for Evaluation of Cancer. Nutrition and disease in the Japan Collaborative Cohort Study for Evaluation of Cancer (JACC). Asian Pac J Cancer Prev. 2007;8 Suppl:35-80.
97	Sakauchi F, Khan MMH, Mori M, et al. Dietary habits and risk of ovarian cancer death in a large-scale cohort study (Jacc study) in japan. Nutrition and Cancer. 2007;57(2):138-145. doi:10.1080/01635580701274178
98	Hosono S, Matsuo K, Kajiyama H, et al. Association between dietary calcium and vitamin D intake and cervical carcinogenesis among Japanese women. Eur J Clin Nutr. 2010;64(4):400-409. doi:10.1038/ejcn.2010.28
99	Kawakita D, Sato F, Hosono S, et al. Inverse association between yoghurt intake and upper aerodigestive tract cancer risk in a Japanese population. European Journal of Cancer Prevention. 2012;21(5):453-459. doi:10.1097/CEJ.0b013e32834f75b5
100	Wang C, Yatsuya H, Tamakoshi K, Iso H, Tamakoshi A. Milk drinking and mortality: findings from the japan collaborative cohort study. Journal of Epidemiology. 2015;25(1):66-73. doi:10.2188/jea.JE20140081
101	Nanri A, Mizoue T, Shimazu T, et al. Dietary patterns and all-cause, cancer, and cardiovascular disease mortality in Japanese men and women: The Japan public health center-based prospective study. Zeeb H, ed. PLoS ONE. 2017;12(4):e0174848. doi:10.1371/journal.pone.0174848
102	Nakanishi A, Homma E, Osaki T, et al. Association between milk and yogurt intake and mortality: a community-based cohort study (Yamagata study). BMC Nutr. 2021;7(1):33. doi:10.1186/s40795-021-00435-1
103	Mikami K, Ozasa K, Miki T, et al. Dairy products and the risk of developing prostate cancer: A large-scale cohort study (Jacc study) in Japan. Cancer Medicine. 2021;10(20):7298-7307. doi:10.1002/cam4.4233
104	Lu Y, Sugawara Y, Matsuyama S, Fukao A, Tsuji I. Association of dairy intake with all-cause, cancer, and cardiovascular disease mortality in Japanese adults: a 25-year population-based cohort. Eur J Nutr. 2022;61(3):1285-1297. doi:10.1007/s00394-021-02734-6
105	Arafa A, Eshak ES, Shirai K, Muraki I, Tamakoshi A, Iso H. Dairy intake and the risk of esophageal cancer: the jacc study. Journal of Epidemiology. 2022;32(6):298-300. doi:10.2188/jea.JE20220037
106	Arafa A, Eshak ES, Dong JY, et al. Dairy intake and the risk of pancreatic cancer: the Japan Collaborative Cohort Study (Jacc study) and meta-analysis of prospective cohort studies. Br J Nutr. 2022;128(6):1147-1155. doi:10.1017/S0007114521004232
107	Tanitame M, Sugawara Y, Lu Y, et al. Dairy consumption and incident risk of thyroid cancer in Japan: a pooled analysis of the Miyagi Cohort Study and the Ohsaki Cohort Study. Eur J Nutr. 2023;62(1):251-259. doi:10.1007/s00394-022-02979-9

■メタ解析、系統的レビュー

Reference			Include study							Category	Study name	Study design	Relative risk (95% CI or p)	Weight	**Magnitude of association**
Author	Title	Year	Ref No.	First author	Study Period	Study	Study location	Event (*Definition)	Design						
Fei Li et al.,	Milk and dairy consumption and risk of bladder cancer: a meta-analysis	2011	15	Mettlin and Graham	1957–1965		United States		Case-control study	**Total dairy products**	Riboli et al.	Case-control study	1.49 (1.03, 2.16)	8.22	
			16	Risch et al.	1979–1982		Canada		Case-control study		Wakai et al.	Case-control study	0.68 (0.48, 0.92)	17.61	
			17	Slattery et al.	1977–1982		United States		Case-control study		Larsson et al.	Cohort study	0.87 (0.66, 1.15)	16.79	
			18	Mettlin et al.	1982–1990		United States		Case-control study		Balbi et al.	Case-control study	1.10 (1.00, 1.18)	21.22	
			19	Riboli et al.	1985–1986		Spain		Case-control study		Keszei et al.	Cohort study	1.01 (0.81, 1.27)	17.28	
			20	Wilkens et al.	1977–1986		United States		Case-control study		Isa et al.	Case-control study	0.66 (0.46, 0.82)	18.88	
			21	Lu et al.	1996–1997		Taiwan		Case-control study		Subtotal		0.92 (0.72, 1.13)	100.00	-
			22	Wakai et al.	1996–1999		Japan		Case-control study						
			23	Balbi et al.	1998–1999		Uruguay		Case-control study	**Milk**	Mettlin and Graham	Case-control study	0.57 (0.34, 0.81)	6.12	
			24	Ohashi et al.	1997–1998		Japan		Case-control study		Risch et al.	Case-control study	1.02 (0.98, 1.06)	11.05	
			25	Radosavljević et al.	1997–1999		Sebia		Case-control study		Slattery et al.	Case-control study	0.85 (0.69, 0.97)	8.70	
			26	Wakai et al.	1994–2000		Japan	bladder cancer events	Case-control study		La Vecchia et	Case-control study	1.10 (0.67, 1.79)	1.94	
			27	Jiang et al.	1987–1999		United States		Case-control study		Mettlin et al.	Case-control study	1.10 (0.68, 1.42)	3.65	
			28	La Vecchia et	1985–1987		Italy		Case-control study		Ursin et al.	Cohort study	0.80 (0.40, 1.50)	2.00	
			29	Hemelt et al.	2005–2008		China		Case-control study		Chyou et al.	Cohort study	0.62 (0.38, 1.02)	4.40	
			30	Brinkman et al.	1999–2004		Belgium		Case-control study		Wilkens et al.	Case-control study	0.94 (0.62, 1.20)	4.94	
			31	Isa et al.	2005–2008		China		Case-control study		Lu et al.	Case-control study	1.04 (0.85, 1.15)	8.41	
			32	Ronco et al.	1996–2004		Uruguay		Case-control study		Nagano et al.	Cohort study	0.99 (0.61, 1.55)	2.58	
			33	Ursin et al.	1967–1978		Norway		Cohort study		Radosavljević et al.	Case-control study	0.55 (0.28, 0.95)	4.15	
			34	Chyou et al.	1942–1968		United States		Cohort study		Wakai et al.	Case-control study	0.83 (0.51, 1.20)	4.00	
			35	Michaud et al.	1986–1996		United States		Cohort study		Sakauchi et al.	Cohort study	0.65 (0.42, 1.01)	4.84	
			36	Nagano et al.	1979–1993	Life-Span study	Japan		Cohort study		Jiang et al.	Case-control study	0.99 (0.84, 1.14)	8.41	
			37	Sakauchi et al.	1988– 1997	JACC study	Japan		Cohort study		Larsson et al.	Cohort study	0.97 (0.75, 1.26)	5.66	
			38	Larsson et al.	1987– 1997	Swedish mammograp	Sweden		Cohort study		Hemelt et al.	Case-control study	0.49 (0.24, 0.86)	4.57	
			39	Keszei et al.	1986– 2002	Netherlands cohort	Netherlands		Cohort study		Brinkman et al.	Case-control study	1.12 (0.96, 1.25)	8.56	
			40	Ros et al.	1992–2000	EPIC	Europe		Cohort study		Ros et al.	Cohort study	1.04 (0.83, 1.31)	6.00	
											Subtotal		0.89 (0.81, 0.98)	99.98	↓
										Whole milk	Mettlin et al.	Case-control study	2.00 (1.30, 3.10)	3.28	
											Radosavljević et al.	Case-control study	1.48 (1.26, 1.65)	25.37	
											Balbi et al.	Case-control study	1.10 (1.00, 1.19)	33.97	
											Ronco et al.	Case-control study	1.06 (1.00, 1.07)	37.39	
											Subtotal		1.21 (1.04, 1.38)	100.01	↑
										Fermented dairy products	Ohashi et al.	Case-control study	0.85 (0.68, 1.00)	29.84	
											Radosavljević et al.	Case-control study	0.51 (0.21, 0.98)	12.71	
											Sakauchi et al.	Cohort study	0.82 (0.39, 1.71)	5.42	
											Larsson et al.	Cohort study	0.62 (0.46, 0.85)	26.26	
											Keszei et al.	Cohort study	0.97 (0.79, 1.19)	25.77	
											Subtotal		0.78 (0.61, 0.94)	100.00	↓
										Cheese	La Vecchia et	Case-control study	0.89 (0.54, 1.47)	6.81	
											Sakauchi et al.	Cohort study	0.90 (0.54, 1.52)	6.31	
											Larsson et al.	Cohort study	0.78 (0.58, 1.07)	14.16	
											Balbi et al.	Case-control study	0.68 (0.52, 0.85)	18.30	

	Keszei et al.	Cohort study	1.19 (0.93, 1.52)	11.93
	Brinkman et al.	Case-control study	1.14 (0.98, 1.26)	19.64
	Ronco et al.	Case-control study	0.92 (0.84, 0.98)	22.85
	Subtotal		0.93 (0.97, 1.07)	100.00 -
Butter	La Vecchia et	Case-control study	1.36 (0.49, 3.73)	0.11
	Sakauchi et al.	Cohort study	0.81 (0.46, 1.43)	1.23
	Balbi et al.	Case-control study	0.93 (0.80, 1.05)	16.79
	Keszei et al.	Cohort study	1.19 (0.96, 1.47)	4.37
	Ronco et al.	Case-control study	1.01 (0.96, 1.05)	77.50
	Subtotal		1.00 (0.95, 1.06)	100.00 -

Author	Title	Year	#	Study	Cohort	Country	Outcome	Study type	Dairy product	Studies, n	Study type	RR (95% CI)	
Barrubés, Laura et al	Association Between Dairy Product Consumption and Colorectal Cancer Risk in Adults: A Systematic Review and Meta-Analysis of Epidemiologic Studies	2020	6	Bostick et al.,	Iowa Women's Health	USA			Total dairy products	8		0.80 (0.70, 0.91)	↓
			8	Kearney et al,	Health Professionals	USA			High-fat dairy products	2		0.68 (0.53, 0.87)	↓
			33	Gaard et al.,		Norway			Low-fat dairy products	2		0.91 (0.79, 1.06)	–
			34	Singh et al.,	Adventist Health Stu	USA			Total milk	9		0.82 (0.76, 0.88)	↓
			35	Sellers et al.,	Iowa Women's Health	USA			Whole milk	3		0.97 (0.86, 1.09)	–
			11	Terry et al.,	Swedish Mammogra	Sweden			Lo-wfat milk	2	Cohort study	0.76 (0.66, 0.88)	↓
			36	McCullough et al.,	Cancer Prevention St	USA		Cohort study	Fermented dairy products	2		0.90 (0.73, 1.11)	–
			14	Larsson et al.,	Swedish Mammogra	Sweden			Total yogurt	4		0.87 (0.79, 0.96)	↓
			17	Larsson et al.,	Cohort of Swedish M	Sweden			Cultured milk	2		0.92 (0.79, 1.07)	–
			30	Park et al.,	Multiethnic Cohort S	USA			Cheese	4		0.85 (0.76, 0.96)	↓
			37	Lee et al.,	Shanghai Women's H	China			Total dairy products	5		0.87 (0.64, 1.20)	–
			38	Pala et al.,	Italian European Pro	Italy			High-fat dairy products	0		-	
			18	Murphy et al.,	EPIC study	European countrie			Low-fat dairy products	0		-	
			19	Barrubés et al.,	PREDIMED trial	Spain	Colorectal cancer incidence		Total milk	8		0.85 (0.73, 0.99)	↓
			32	Bakken et al.,	Norwegian Women a	Norway			Whole milk	0		-	
			39	Lee et al.,		China			Lo-wfat milk	0	Case-control study	-	
			40	Centonze et al.,		Italy			Fermented dairy products	0		-	
			41	Kampman et		The Netherlands			Total yogurt	3		0.92 (0.77, 1.09)	↓
			31	Boutron et al.,		France			Cultured milk	0		-	
			42	Shannon et al.,		USA			Cheese	5		0.95 (0.79, 1.14)	–
			43	Boutron-Ruault et al.		France							
			44	Kampman et		USA		Case-control study					
			45	Satia-Abouta et al.,	North Carolina Colon	USA							
			28	Murtaugh et al.,		USA							
			46	Mizoue et al.,	Fukuoka Colorectal C	Japan							
			47	Williams et al.,	North Carolina Colon	USA							
			48	Sun et al.,		Canada							
			49	Green et al.,	Western Australian E	Australia							
			50	Chun et al.,		Korea							
World Cancer Research Fund	Meat, fish and dairy products and the risk of cancer [World Cancer Research Fund, CUP report]	2008							Calcium; Increment: 400 mg/day; No. of cases;	No. of studies in meta- 15; 38,749		1.05 (1.02, 1.09)	

■コホート研究（統合解析含む）

Reference			Study subjects						Category	Number among cases	Relative risk (95%CI or p)	P for trend	Confounding variables considered	Magnitude of association
Author	Title	Year	Study period	Number of subjects	Source of subjects	Event followed	Number of incident cases or deaths	Participant's race						
Arafa A	Dairy intake and the risk of pancreatic cancer: the Japan Collaborative Cohort Study (JACC Study) and meta-analysis of prospective cohort studies	2022	1988-2009	Total; 59,774 Milk 58,656 Cheese 49,302 Yogurt 49,934	JACC Study	Pancreatic cancer incidence	198	Japanese	Milk; Never 1-2 times/month 1-2 times/week ≥3 times/week	37 19 22 113	1.00 (Reference) 1.22 (0.70, 2.13) 0.81 (0.47, 1.37) 0.91 (0.62, 1.33)	0.308	Adjusted for age, sex, BMI, education, perceived stress, smoking behaviour, alcohol, leisure sport, walking, history of diabetes, family history of cancer, total meat, vegetables and energy intake	-
									Cheese; Never 1-2 times/month 1-2 times/week ≥3 times/week	90 29 26 14	1.00 (Reference) 0.67 (0.43, 1.02) 1.00 (0.64, 1.58) 0.91 (0.51, 1.62)	0.77		-
									Yogurt; Never 1-2 times/month 1-2 times/week ≥3 times/week		1.00 (Reference) 0.76 (0.47, 1.24) 0.55 (0.29, 1.03) 0.68 (0.38, 1.21)	0.137		-
Mikami K	Dairy products and the risk of developing prostate cancer: A large-scale cohort study (JACC Study) in Japan	2021	1988-2009	Total; 110,585 Men; 46,395 Women; 64,190	JACC Study	Prostate cancer incidence	412	Japanese	Milk (n=24,220); Low level Middle level High level	126 50 196	1.00 (Reference) 1.38 (0.85, 2.24) 1.43 (1.02, 1.99)	0.039	Adjusted for age, FHPCa, BMI, total energy intake and education level, and stratified by area.	↑
									Yogurt (n=20,518); Low level Middle level High level	222 16 22	1.00 (Reference) 1.11 (0.51, 2.38) 1.43 (0.82, 2.49)	0.208		-
									Cheese (n=20,407); Low level Middle level High level	137 146 26	1.00 (Reference) 1.21 (0.88, 1.65) 1.03 (0.57, 1.86)	0.462		-
									Butter (n=20,161); Low level Middle level High level	223 53 34	1.00 (Reference) 1.22 (0.80, 1.87) 1.05 (0.60, 1.83)	0.587		-
Wu you et al.,	Dairy foods, calcium, and risk of breast cancer overall and for subtypes defined by estrogen receptor status: a pooled analysis of 21 cohort studies	2021	1980-2002	Baseline cohort size; 1,141,849	Pool analysis of 21 cohorts (including one Japanese cohort)	Breast cancer incidence	Total; 37,861 ER-positive 22,040 ER-negative 5,367	USA, Canada, Japan, Australia, Netherlands, Italy, Sweden	Total milk; Reference Category 1 Category 2 Category 3	4774 12235 9150 10740	1.00 (Reference) 0.97 (0.94, 1.01) 0.99 (0.95, 1.03) 0.95 (0.91, 0.98)	0.02	Race/ethnicity, education, BMI, height, alcohol consumption, energy intake, smoking status	↓
									Hard cheese; Reference Category 1 Category 2	7369 24,602 3934	1.00 (Reference) 1.02 (0.98, 1.06) 0.99 (0.93, 1.06)	0.76		

Category 3	1675 1.01 (0.93, 1.10)		smoking status, - physical activity,
Cottage/ricotta cheese			age at menarche,
Reference	13,217 1.00 (Reference)		the combination
Category 1	10,373 0.99 (0.96, 1.02)		of menopusal
Category 2	3277 0.96 (0.92, 1.00)	0.19	status and
Category 3	3596 0.97 (0.93, 1.01)		hormone -
Yogurt			replacement
Reference	14,616 1.00 (Reference)		therapy use, oral
Category 1	10,146 0.98 (0.96, 1.01)		contraceptive
Category 2	3675 0.97 (0.93, 1.01)	0.01	use, parity, age
Category 3	6997 0.96 (0.92, 0.99)		at first birth, ↓
Ice cream			history of benign
Reference	11,359 1.00 (Reference)		breast disease,
Category 1	17,381 1.01 (0.98, 1.04)		family history of
Category 2	3,749 1.03 (0.99, 1.07)	0.96	breast cancer
Category 3	2,406 1.00 (0.95, 1.05)		-

■症例対照研究

Reference Author	Title	Year	Study period	Type and source	Definition	Number of cases	Number of controls	Category	Number among cases	Relative risk (95%CI or p)	P for trend	Confounding variables considered	**Magnitude of association**
Wakai K	Dietary Risk Factors for Colon and Rectal Cancers: A Comparative Case-Control Study	2006	2001-2004	First-visit outpatients of Aichi Cancer Center Hospital (ACCH); HERPACC Study;	Case; Patients aged 20 to 79 years with cancers of the colon or rectum (n = 276) (ICD-10: C18 and C20), newly and histopathologically diagnosed, were deemed to be potential cases. Control; Cancer-free outpatients	Total; 507 Colon; 265 Rectal 242	2,535	Calcium; Q1 Q2 Q3 Q4	N/A;	1.00 (Reference) 0.90 (0.62 - 1.28) 0.80 (0.55 - 1.17) 0.67 (0.46 - 1.00)	0.04	sex, age, year of first visit, season of first visit to the hospital, reason for the visit, family history of colorectal cancer, BMI, exercise, alcohol drinking, smoking	↓↓
Hirose K	Soybean products and reduction of breast cancer risk: a case-control study in Japan	2005	2001-2002	First-visit outpatients of Aichi Cancer Center Hospital (ACCH); HERPACC Study;	Case; Women diagnosed as having breast cancer by histological examination within 6 months of the first-visit were recruited. Control; Free of cancer	Total; 854 167 Premenopausal 79 Postmenopausal 88		Dairy products; Premenopausal; Q1 Q2 Q3 Postmenopausal; Q1 Q2 Q3	30 22 27 22 31 35	OR for tertiles of food group intake (g/1000 kcal) 1.00 (Reference) 0.91 (0.46, 1.79) 0.73 (0.37, 1.45) 1.00 (Reference) 1.54 (0.80, 2.96) 1.64 (0.84, 3.20)	0.37 0.15	age, motives for consultation, smoking, drinking, exercise, energy, family history, age at menarche, parity, age at first full-term pregnancy, BMI, age at menopausal for postmenopausal women	- ↑
Takezaki T	Dietary factors and lung cancer risk in Japanese: with special reference to fish consumption and adenocarcinomas	2001	1988-1997	First-visit outpatients of Aichi Cancer Center Hospital (ACCH); HERPACC Study;	Case; Cases presented at the Hospital Departments of Internal Medicine or Thoracic Surgery, Aichi Cancer Center Hospital, as first-visit outpatients, and were histologically diagnosed as having primary cancer of the lung (ICD9162 or ICD10-C34)	Total; 1,045 Men; 748 Women; 297	Total; 4,153 Men; 2,964 Women; 1,189	Milk; Men; Adenocarcinomas; Q1 Q2 Q3 Q4 Squamous cell and small cell carcinomas Q1 Q2 Q3 Q4	N/A; N/A;	1.00 (Reference) 0.96 (0.72–1.28) 0.92 (0.68–1.24) 0.82 (0.52–1.30) 1.00 (Reference) 0.87 (0.65–1.16) 0.76 (0.57–1.03) 0.66 (0.41–1.05)	0.39 0.03	Adjusted for age (continuous), season and year of visit, occupation, prior lung diseases, smoking (never, former, current	- ↓

ICD10-C34).				(never, former, current [<20 cigarettes/day] and current [≥20 cigarettes/day]), and consumption of green vegetables and meat
Control; Free of cancer	Women; Adenocarcinomas;			
	Q1		1.00 (Reference)	
	Q2	N/A;	0.81 (0.53–1.25)	
	Q3		0.96 (0.64–1.43)	0.314
	Q4		0.67 (0.40–1.11)	
	Squamous cell and small cell carcinomas			
	Q1		1.00 (Reference)	
	Q2	N/A;	1.34 (0.59–3.05)	
	Q3		1.12 (0.49–2.60)	0.789
	Q4		0.87 (0.31–2.46)	-

↓