

別添-3 文献評価結果（疫学）

統合No.	著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_0001	M. Zuo, I. Gamache, K. Fagbemi, F. R. Day, K. K. Ong and D. Manousaki	2025	The causal role of endocrine disrupting chemicals in pubertal timing: a Mendelian-randomization study	J Pediatr Endocrinol Metab. 2025 May 22;38(7):753-760.	10.1515/jpem-2025-0146	40418773	ヒト	生殖発生	1	0	コホート研究	1	1	0	1	1	2	曝露は赤血球のGWASで遺伝的に予測されたBPA量	-
統合_0005	Y. Zhu, K. Liu, J. Guo, Y. Wang, J. Yang and Y. Su	2025	Associations between coexposure to bisphenols mixture and metabolic diseases: based on three statistical models	Obesity (Silver Spring). 2025 Aug;33(8):1580-1594.	10.1002/oby.24327	40641007	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0006	Y. Zhu, M. M. Hedderson, A. M. Calafat, S. E. Alexeeff, J. Feng, C. P. Quesenberry and A. Ferrara	2022	Urinary Phenols in Early to Midpregnancy and Risk of Gestational Diabetes Mellitus: A Longitudinal Study in a Multiracial Cohort	Diabetes. 2022 Dec 1;71(12):2539-2551	10.2337/db22-0028	36227336	ヒト	生殖発生(妊娠糖尿病)	1	0	症例対照研究	1	1	1	1	1	1	-	1
統合_0007	H. Zhu, Q. Cheng, J. Liu, L. Jin, Z. Li, A. Ren and L. Wang	2023	Associations among bisphenol A, its analogs, and chlorinated derivatives in placenta and risk for neural tube defects: A case-control study	Sci Total Environ. 2023 Nov 20;900:165586.	10.1016/j.scitotenv.2023.165586	37474044	ヒト	発達神経	0	0	症例対照研究	1	1	0	1	1	2	胎盤中BPAと二分脊椎方向性が逆転している可能性	-
統合_0008	Z. Zhou, Y. Lei, W. Wei, Y. Zhao, Y. Jiang, N. Wang, X. Li and X. Chen	2019	Association between prenatal exposure to bisphenol a and birth outcomes: A systematic review with meta-analysis	Medicine (Baltimore). 2019 Nov;98(44):e17672.	10.1097/md.00000000000017672	31689782	ヒト	生殖発生(メタアナリシス)	1	0	メタアナリシス	1	1	1	1	1	1	コホート7本を含む	1
統合_0009	Y. Zhou, Y. Yao, Y. Shao, W. Qu, Y. Chen and Q. Jiang	2019	Urinary bisphenol analogues concentrations and biomarkers of oxidative DNA and RNA damage in Chinese school children in East China: A repeated measures study	Environ Pollut. 2019 Nov;254(Pt A):112921.	10.1016/j.envpol.2019.07.089	31394349	ヒト	遺伝毒性	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0010	T. Zhou, S. Abrishamcar, G. Christensen, S. M. Eick, D. B. Barr, A. Vanker, N. Hoffman, K. A. Donald, C. J. Wedderburn, S. S. Andra, R. O. Wright, H. J. Zar, D. J. Stein and A. Huls	2025	Associations between prenatal exposure to environmental phenols and child neurodevelopment at two years of age in a South African birth cohort	Environ Res. 2025 Jan 1;264(Pt 1):120325.	10.1016/j.envres.2024.120325	39528036	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0011	R. Zhou, L. Zhang, J. Yan, Y. Sun and H. Jiang	2023	Association of sleep problems with urinary concentrations of personal care and consumer product chemicals: a nationally representative, population-based study	Environ Sci Pollut Res Int. 2023 Feb;30(6):14533-14544.	10.1007/s11356-022-23148-9	36152103	ヒト	発達神経	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0012	R. Zhou, L. Zhang, Y. Sun, J. Yan and H. Jiang	2023	Association of urinary bisphenols with oxidative stress and inflammatory markers and their role in obesity	Ecotoxical Environ Saf. 2023 Nov 1;266:115546.	10.1016/j.ecoenv.2023.115546	37827096	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0013	R. Zhou, S. Jin, C. Jin, Y. Sun, L. Zhang, J. Yan and H. Jiang	2023	Association of urinary bisphenol A with chronic obstructive pulmonary disease-related diseases: evidence from the National Health and Nutrition Examination Survey database (2005-2016)	Environ Sci Pollut Res Int. 2023 Mar;30(12):33170-33180.	10.1007/s11356-022-24572-7	36474039	ヒト	免疫	0	1	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0014	R. Zhou, Z. Chen, T. Yang, H. Gu, X. Yang and S. Cheng	2024	Vitamin D Deficiency Exacerbates Poor Sleep Outcomes with Endocrine-Disrupting Chemicals Exposure: A Large American Population Study	Nutrients. 2024 Apr 26;16(9):1291.	10.3390/nu16091291	38732537	ヒト	発達神経	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0015	F. Zhou, Z. Jin, L. Zhu, F. Huang, A. Ye and C. Hou	2022	A preliminary study on the relationship between environmental endocrine disruptors and precocious puberty in girls	J Pediatr Endocrinol Metab. 2022 Jun 14;35(8):989-997.	10.1515/jpem-2021-0691	35682072	ヒト	生殖発生	1	0	症例対照研究	1	1	1	1	0	2	非調整群間比較のみ	-
統合_0016	B. Zhou, P. Yang, Y. L. Deng, Q. Zeng, W. Q. Lu and S. R. Mei	2020	Prenatal exposure to bisphenol a and its analogues (bisphenol F and S) and ultrasound parameters of fetal growth	Chemosphere. 2020 May;246:125805.	10.1016/j.chemosphere.2019.125805	31918106	ヒト	生殖発生	1	0	コホート研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0017	R. Zhong, H. He, M. Jin, Z. Lu, Y. Deng, C. Liu, N. Shen, J. Li, H. Wang, P. Ying, B. Li, Q. Zeng, Q. Lu, L. Cheng, Y. Zhu, X. Miao and J. Tian	2022	Genome-wide gene-bisphenol A, F and triclosan interaction analyses on urinary oxidative stress markers	Sci Total Environ. 2022 Feb 10;807(Pt 1):150753.	10.1016/j.scitotenv.2021.150753	34619205	ヒト	その他(酸化ストレス)	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0018	Q. Zhong, M. Peng, J. He, W. Yang and F. Huang	2020	Association of prenatal exposure to phenols and parabens with birth size: A systematic review and meta-analysis	Sci Total Environ. 2020 Feb 10;703:134720.	10.1016/j.scitotenv.2019.134720	31731171	ヒト	生殖発生(メタアナリシス)	1	0	メタアナリシス	1	1	1	1	1	1	BPAは縦断9本、横断0本をレビュー	1
統合_0019	J. Zheng, J. E. Reynolds, M. Long, C. Ostertag, T. Pollock, M. Hamilton, J. F. Dunn, J. Liu, J. Martin, M. Grohs, B. Landman, Y. Huo, D. Dewey, D. Kurrasch and C. Lebel	2022	The effects of prenatal bisphenol A exposure on brain volume of children and young mice	Environ Res. 2022 Nov;214(Pt 3):114040.	10.1016/j.envres.2022.114040	35952745	ヒト、動物	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0020	Y. Zhao, Y. Ye, H. Lin, X. Ruan, Y. Guo and J. Wu	2025	Infant urinary bisphenol A concentrations in relation to child neurodevelopment at 2 years of age	Ecotoxical Environ Saf. 2025 Sep 15;303:118896.	10.1016/j.ecoenv.2025.118896	40840092	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0021	Y. Zhang, Z. Zhang, F. Zhou, G. Xu, W. Huang, M. Wang, Y. Lan, W. Zhang, Z. Liu, S. Chang, S. Qiu, F. Qi and Z. Wei	2025	Association between endocrine disrupting chemicals exposure and the risk of all-cause mortality in individuals with diabetes mellitus or its complications: A prospective cohort study	Environ Int. 2025 Jun;200:109556.	10.1016/j.envint.2025.109556	40446755	ヒト	その他(死亡率)	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0022	Y. Zhang, V. Mustieles, P. L. Williams, J. Yland, I. Souter, J. M. Braun, A. M. Calafat, R. Hauser and C. Messerlian	2021	Prenatal urinary concentrations of phenols and risk of preterm birth: exploring windows of vulnerability	Fertil Steril. 2021 Sep;116(3):820-832.	10.1016/j.fertnstert.2021.03.053	34238571	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0023	Y. Zhang, V. Mustieles, P. L. Williams, B. J. Wylie, I. Souter, A. M. Calafat, M. Demokritou, A. Lee, S. Vagios, R. Hauser and C. Messerlian	2021	Parental preconception exposure to phenol and phthalate mixtures and the risk of preterm birth	Environ Int. 2021 Jun;151:106440.	10.1016/j.envint.2021.106440	33640694	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0024	Y. Zhang, V. Mustieles, P. L. Williams, I. Souter, A. M. Calafat, M. Demokritou, A. Lee, S. Vagios, R. Hauser and C. Messerlian	2022	Association of preconception mixtures of phenol and phthalate metabolites with birthweight among subfertile couples	Environ Epidemiol. 2022 Aug 31;6(5):e222.	10.1097/ee9.0000000000000222	36249269	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0025	X. Zhang, G. Zhao, J. Ma, F. Tao, C. W. Pan, F. Zhang, Y. Wang, W. Yang, Y. Xiang, X. Wang, Y. Tian, J. Cheng, W. Du and Y. Zhou	2023	Design, methodology, and baseline of eastern China student health and wellbeing cohort study	Front Public Health. 2023 Apr 27;11:1100227.	10.3389/fpubh.2023.1100227	37181702	ヒト	一般毒性	0	0	Protocol paper	1	1	-	-	-	適格性基準 不適合	-	-
統合_0026	X. Zhang, M. Fu, K. Li, X. Cheng, X. Zhang, X. Shen, B. Lei and Y. Yu	2024	Bisphenol chemicals in colostrum from Shanghai, China during 2006-2019: Concentration, temporal variation, and potential influence on birth parameters	Food Chem Toxicol. 2024 Mar;185:114485.	10.1016/j.fct.2024.114485	38301991	ヒト	生殖発生	1	0	コホート研究	1	1	0	1	0	2	時間的関連性を担保できない	-
統合_0028	S. Zhang, L. Dai, Z. Wan, Z. Huang, M. Zou and H. Guan	2024	Sex-specific associations of bisphenol A and its substitutes with body fat distribution among US adults: NHANES 2011-2016	Environ Sci Pollut Res Int. 2024 Jan;31(9):7948-7958.	10.1007/s11356-023-31989-z	38172318	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0029	N. Zhang, Y. Zhao, L. Zhai, Y. Bai, W. Wei, Q. Sun and L. Jia	2024	Urinary concentrations of bisphenol A and its alternatives: Potential predictors of and associations with antral follicle count among women from an infertility clinic in Northern China	Environ Res. 2024 May 15;249:118433.	10.1016/j.envres.2024.118433	38331151	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0030	N. Zhang, Y. Zhao, L. Zhai, Y. Bai and L. Jia	2023	Urinary bisphenol A and S are associated with diminished ovarian reserve in women from an infertility clinic in Northern China	Ecotoxical Environ Saf. 2023 May;256:114867.	10.1016/j.ecoenv.2023.114867	37027940	ヒト	卵巣	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-

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適格性評価

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信頼性評価

1：該当、0：該当しない

1：BPAのリスク評価への使用が有用と考えられる文献
2：BPAのリスク評価の上で有用性が低いと考えられる文献
3：何らかの理由で判断できない文献

1：該当

別添-3 文献評価結果 (疫学)

統合No.	著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_0031	L. Zhang, J. Zhang, S. Fan, Y. Zhong, J. Li, Y. Zhao, S. Ni, J. Liu and Y. Wu	2023	A case-control study of urinary concentrations of bisphenol A, bisphenol F, and bisphenol S and the risk of papillary thyroid cancer	Chemosphere. 2023 Jan;312(Pt 1):137162.	10.1016/j.chemosphere.2022.137162	36347349	ヒト	発がん	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0032	J. Zhang, M. Yuan, Y. Liu, X. Zhong, J. Wu and W. Chen	2025	Bisphenol A exposure and neurodevelopmental disorders and problems in children under 12 years of age: A systematic review and meta-analysis	J Hazard Mater. 2025 Jun 15;490:137731.	10.1016/j.jhazmat.2025.137731	40054188	ヒト	発達神経(メタアナリシス、神経発達障害)	0	0	メタアナリシス	1	1	1	1	1	1	コホート6本を含む	-
統合_0033	H. Zhang, S. Feng, S. Song, Q. Zhao, Y. Gao and T. Zhang	2025	First evidence in the association of phenolic endocrine-disrupting chemicals with secondary non-alcoholic fatty liver disease: A case-control study in South China	Environ Pollut. 2025 May 15:373:126086.	10.1016/j.envpo.1.2025.126086	40118363	ヒト	肝	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0034	D. Zhang, K. Zhao, T. Han, X. Zhang, X. Xu, Z. Liu, X. Ren, X. Zhang, Z. Lu and C. Qin	2024	Bisphenol A promote the cell proliferation and invasion ability of prostate cancer cells via regulating the androgen receptor	Ecotoxicol Environ Saf. 2024 Jan 1:269:115818	10.1016/j.ecoenv.2023.115818	38091676	in vitro	発がん	0	0	実験	-	-	-	-	-	適格性基準 不適合	-	-
統合_0035	D. Zhang, X. Liu, Q. Xiao, L. Han, J. Yang, X. Li, J. Xu, Q. Zheng, J. Ma, J. Chen and S. Lu	2023	Co-Exposure to Bisphenols, Parabens, and Antimicrobials and Association with Coronary Heart Disease: Oxidative Stress as a Potential Mediating Factor?	Environ Sci Technol. 2023 Jan 10:57(1):531-538.	10.1021/acs.est.2c06488	36534741	ヒト	心血管	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0039	W. Zhan, W. Tang, X. Shen, H. Xu and J. Zhang	2023	Exposure to bisphenol A and its analogs and polycystic ovarian syndrome in women of childbearing age: A multicenter case-control study	Chemosphere. 2023 Feb;313:137463.	10.1016/j.chemosphere.2022.137463	36470355	ヒト	卵巣	1	0	症例対照研究	1	1	0	1	1	2	Exposure was measured after PCOS had been diagnosed. Thus, no causal inference between BPA and its analogs and PCOS could be made.	-
統合_0041	J. Y. Zeng, P. P. Chen, C. Liu, Y. L. Deng, Y. Miao, M. Zhang, F. P. Cui, T. T. Lu, T. Shi, K. D. Yang, C. J. Liu and Q. Zeng	2022	Bisphenol A analogues in associations with serum hormone levels among reproductive-aged Chinese men	Environ Int. 2022 Sep;167:107446.	10.1016/j.envint.2022.107446	35940031	ヒト	性ホルモン	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0043	A. N. Zamora, E. Marchlewicz, M. M. Té llez-Rojo, C. F. Burant, A. Cantoral, P. X. K. Song, A. Mercado, D. C. Dolinoy and K. E. Peterson	2022	Trimester two gestational exposure to bisphenol A and adherence to mediterranean diet are associated with adolescent offspring oxidative stress and metabolic syndrome risk in a sex-specific manner	Front Nutr. 2022 Oct 5;9:961082.	10.3389/fnut.2022.961082	36276834	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0047	Y. Yuan, Q. Chen, X. Ding, Q. Zhong and X. Zhong	2024	Endocrine disrupting chemical Bisphenol A and its association with cancer mortality: a prospective cohort study of NHANES	Front Public Health. 2024 Feb 23:12:1341789.	10.3389/fpubh.2024.1341789	38584917	ヒト	発がん	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0048	S. Yuan, X. Du, H. Liu, X. Guo, B. Zhang, Y. Wang, B. Wang, H. Zhang and H. Guo	2023	Association between bisphenol A exposure and thyroid dysfunction in adults: a systematic review and meta-analysis	Toxicol Ind Health. 2023 Apr;39(4):188-203.	10.1177/07482337231156284	36772983	ヒト	甲状腺(システムティックレビュー)	0	0	システムティックレビュー・メタアナリシス	1	1	1	1	1	1	コホート3本を含む	-
統合_0049	N. Yuan, J. Sun, X. Zhao and W. Li	2024	Relationship between bisphenol A and autoimmune thyroid disease in women of childbearing age	Front Endocrinol (Lausanne). 2024 Jan 29:15:1333915.	10.3389/fendo.2024.1333915	38348416	ヒト	甲状腺	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0051	S. J. Yao, H. Joo, D. Kim, M. H. Lim, E. Kim, M. Ha, H. J. Kwon, K. C. Paik and K. M. Kim	2020	Associations between Exposure to Bisphenol A and Behavioral and Cognitive Function in Children with Attention-deficit/Hyperactivity Disorder: A Case-control Study	Clin Psychopharmacol Neurosci. 2020 May 31:18(2):261-269.	10.9758/cpn.20.18.2.261	32329307	ヒト	発達神経	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0053	D. Yeum, S. Ju, K. J. Cox, Y. Zhang, J. B. Stanford and C. A. Porucznik	2019	Association between peri-conceptual bisphenol A exposure in women and men and time to pregnancy-The HOPE study	Paediatr Perinat Epidemiol. 2019 Nov;33(6):397-404.	10.1111/ppe.12578	31468552	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0055	K. E. Yeo, S. Lim, A. Kim, Y. B. Lim, C. R. Lee, J. I. Kim and B. N. Kim	2025	Association Between Endocrine-Disrupting Chemicals Exposure and Attention-Deficit/Hyperactivity Disorder Symptoms in Children With Attention-Deficit/Hyperactivity Disorder	J Korean Acad Child Adolesc Psychiatry. 2025 Jan 1:36(1):18-25.	10.5765/jkacap.240035	39811025	ヒト	発達神経	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0056	N. N. Yenigöl, S. Dilbaz, B. Dilbaz, I. Kaplanoglu, F. Güçel, O. Aldemir, E. Baser, R. Özelci and O. Moraloglu Tekin	2021	The effect of plastic bottled water consumption on outcomes of ICSI cycles undertaken for unexplained infertility	Reprod Biomed Online. 2021 Jul;43(1):91-99.	10.1016/j.rbmo.2021.04.010	34001442	ヒト	生殖(不妊)	1	0	コホート研究	1	1	1	1	0	2	非調整群間比較のみ。	-
統合_0057	J. F. Yap, K. S. Wan, M. F. M. Yusoff, Y. C. Lim and R. K. Supramaniam	2025	Challenges in diagnosing occupational allergic contact dermatitis: a case report	Ann Occup Environ Med. 2025 Apr;37:e7.	10.35371/aom.2025.37.e7	40394836	ヒト	免疫	0	1	症例報告	1	1	-	-	-	適格性基準 不適合	-	-
統合_0058	J. Yao, F. Wang, Y. Zhang, Z. Zhang, J. Bi, J. He, P. Li, X. Han, Y. Wei, X. Zhang, H. Guo and M. He	2022	Association of serum BPA levels with changes in lipid levels and dyslipidemia risk in middle-aged and elderly Chinese	Ecotoxicol Environ Saf. 2022 Aug;241:113819.	10.1016/j.ecoenv.2022.113819	36068747	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0059	Z. Yang, H. Liu, J. Wei, R. Liu, J. Zhang, M. Sun, C. Shen, J. Liu, K. Men, Y. Chen, X. Yang, P. Yu, L. Chen and N. J. Tang	2024	Bisphenol mixtures, metal mixtures and type 2 diabetes mellitus: Insights from metabolite profiling	Environ Int. 2024 Aug;190:108921.	10.1016/j.envint.2024.108921	39098088	ヒト	代謝	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0060	Y. Yang, X. Bai, J. Lu, R. Zou, R. Ding and X. Hua	2023	Assessment of five typical environmental endocrine disruptors and thyroid cancer risk: a meta-analysis	Front Endocrinol (Lausanne). 2023 Oct 30:14:1283087.	10.3389/fendo.2023.1283087	38027118	ヒト	発がん(メタアナリシス)	0	0	メタアナリシス	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0061	P. Yang, B. G. Lin, B. Zhou, W. C. Cao, P. P. Chen, Y. L. Deng, J. Hou, S. Z. Sun, T. Z. Zheng, W. Q. Lu, L. M. Cheng, W. J. Zeng and Q. Zeng	2021	Sex-specific associations of prenatal exposure to bisphenol A and its alternatives with fetal growth parameters and gestational age	Environ Int. 2021 Jan;146:106305.	10.1016/j.envint.2020.106305	33395947	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0062	L. Yang, Y. Liu, H. Zhang, Y. Zhao, G. Zhang, Y. Cai, L. Yang, J. Xu, Z. Wang, H. Liang, M. Miao, T. Zhang and J. Xue	2025	Interpretable machine learning-based insights into early-life endocrine disruptor exposure and small vulnerable newborns	J Hazard Mater. 2025 Jul 15:492:138067.	10.1016/j.jhazmat.2025.138067	40158502	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	妊娠14週未満の単回尿BPAとSGA/早産について機械学習で混合曝露評価が主、かつBPAは主要な寄与因子として抽出されており、BPA単独のリスク評価は限定的。	1
統合_0063	J. Yang, H. Wang, H. Du, L. Xu, S. Liu, J. Yi, Y. Chen, Q. Jiang and G. He	2021	Serum Bisphenol A, glucose homeostasis, and gestational diabetes mellitus in Chinese pregnant women: a prospective study	Environ Sci Pollut Res Int. 2021 Mar;28(10):12546-12554.	10.1007/s11356-020-11263-4	33083951	ヒト	生殖発生(妊娠糖尿病)	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0064	C. F. Yang, W. J. J. Karmaus, C. C. Yang, M. L. Chen and I. J. Wang	2020	Bisphenol a Exposure, DNA Methylation, and Asthma in Children	Int J Environ Res Public Health. 2020 Jan 1;17(1):298.	10.3390/ijerph17010298	31906378	ヒト	免疫	0	1	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0065	S. S. Yalcın, E. Okman, B. B. Kuşkonmaz, S. Yalcın, O. Aykut and D. U. Çeti Nkaya	2025	Engraftment after pediatric hematopoietic stem cell transplantation and its association with recipient and donor phthalate and bisphenol A exposure levels: A cohort study	Environ Toxicol Pharmacol. 2025 Mar;114:104625.	10.1016/j.etap.2024.104625	39734026	ヒト	免疫	0	1	コホート研究	1	1	1	1	0	2	交絡因子の調整をしてらず、時間断面(横断)分析を繰り返している	-
統合_0070	Y. Xiong, S. Xu, Z. Wang, Z. Wang, S. Li, M. Zhang and Y. Zhang	2024	BPA-free? Exploring the reproductive toxicity of BPA substitutes BPS and BPF on endometrial decidualization	Ecotoxicol Environ Saf. 2024 Nov 15:287:117275.	10.1016/j.ecoenv.2024.117275	39536566	in vitro	子宮	1	0	実験	-	-	-	-	-	適格性基準 不適合	-	-
統合_0072	C. Xiong, L. Xu, X. Dong, Z. Cao, Y. Wang, K. Chen, M. Guo, S. Xu, Y. Li, W. Xia and A. Zhou	2023	Trimester-specific associations of maternal exposure to bisphenols with neonatal thyroid stimulating hormone levels: A birth cohort study	Sci Total Environ. 2023 Jul 1:880:163354.	10.1016/j.scitotenv.2023.163354	37023811	ヒト	甲状腺	0	0	コホート研究	1	1	1	1	1	1	-	-

別添-3 文献評価結果 (仮字)

統合No.		著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_0073		C. Xiong, K. Chen, L. L. Xu, Y. M. Zhang, H. Liu, M. L. Guo, Z. G. Xia, Y. J. Zhang, X. F. Mu, X. X. Fan, J. Q. Chen, Y. R. Liu, Y. Y. Li, W. Xia, Y. J. Wang and A. F. Zhou	2024	Associations of prenatal exposure to bisphenols with BMI growth trajectories in offspring within the first two years: evidence from a birth cohort study in China	World J Pediatr. 2024 Jul;20(7):701-711.	10.1007/s12519-023-00767-x	38019382	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0074		T. Xiao, Z. Huang, C. Zheng, B. Quach, Y. Zhu, F. Li, W. Liang, J. Baker, C. Reichetzeder, B. Hochar and Y. Yang	2024	Associations of bisphenol A exposure with metabolic syndrome and its components: A systematic review and meta-analysis	Obes Rev. 2024 Jun;25(6):e13738.	10.1111/obr.13738	38491337	ヒト	代謝(メタアナリシス)	0	0	メタアナリシス	1	1	1	1	1	1	コホート16本を含む	-
統合_0076		Z. Xiang, H. Wang, K. Zhu, R. Liu, S. Zhao, H. Fan, Q. Chen, B. Zhu and R. Song	2025	Phenol exposure, polygenic risk score, and dyslexia in Chinese children: Gene-environment interaction	Environ Pollut. 2025 Aug 15;379:126536.	10.1016/j.envpo.1.2025.126536	40425062	ヒト	発達神経	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0078		J. Xi, X. Su, Z. Wang, H. Ji, Y. Chen, X. Liu, M. Miao, H. Liang and W. Yuan	2023	The associations between concentrations of gestational bisphenol analogues and thyroid related hormones in cord blood: A prospective cohort study	Ecotoxicol Environ Saf. 2023 May;256:114838.	10.1016/j.ecoen.2023.114838	36989560	ヒト	甲状腺	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0079		M. Wu, S. Wang, Q. Wang, H. Chen, J. Shen, Z. Li, Y. Wu, Y. Zhao, M. Li, Y. Wu, S. Yang, Q. Zhang and H. Shen	2021	Prenatal and postnatal exposure to Bisphenol A and Asthma: a systemic review and meta-analysis	J Thorac Dis. 2021 Mar;13(3):1684-1696.	10.21037/jtd-20-1550	33841959	ヒト	免疫(メタアナリシス)	0	1	メタアナリシス	1	1	1	1	1	1	コホート9本を含む	1
統合_0082		F. Wu, M. Hu, W. D. Qu and Y. Zhou	2022	[The association between bisphenol A exposure and obesity/overweight in children and adolescents: dose-response Meta analysis]	Zhonghua Yi Fang Yi Xue Za Zhi. 2022 Apr 6;56(4):519-524.	10.3760/cma.j.cn.112150-20210924-00922	35488553	ヒト	代謝(メタアナリシス)	0	0	メタアナリシス	1	1	-	-	-	3	中国語文献のため対象外	-
統合_0084		A. H. Wu, A. A. Franke, L. R. Wilkens, C. Tseng, S. M. Conroy, Y. Li, M. Sangaramoorthy, L. M. Poffus, M. C. DeRouen, C. Caberto, C. Halman, D. O. Stram, L. Le Marchand and I. Cheng	2021	Risk of breast cancer and prediagnostic urinary excretion of bisphenol A, triclosan and parabens: The Multiethnic Cohort Study	Int J Cancer. 2021 Oct 1;149(7):1426-1434.	10.1002/ijc.33692	34013527	ヒト	発がん	0	0	nested case-control	1	1	1	1	1	1	-	-
統合_0085		M. L. Woodbury, A. Aguiar, S. D. Geiger, M. T. Aung, S. Ng, M. Hines, A. Martens, D. J. Watkins, G. Huerta-Montañez, J. F. Cordero, J. D. Meeker, A. N. Alshawabkeh, S. L. Schantz and E. Zimmerman	2025	Examining the association between gestational phenol exposure and infant non-nutritive suck in two Environmental influences on Child Health Outcomes cohorts	Environ Epidemiol. 2025 Jun 13;9(4):e399.	10.1097/ee9.0000000000000399	40525131	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0087		A. K. Wesselink, J. Weuve, V. Fruh, T. N. Bethea, B. Claus Henn, Q. E. Harmon, R. Hauser, P. L. Williams, A. M. Calafat, M. McClean, D. D. Baird and L. A. Wise	2021	Urinary concentrations of phenols, parabens, and triclocarban in relation to uterine leiomyomata incidence and growth	Fertil Steril. 2021 Dec;116(6):1590-1600.	10.1016/j.fertnstert.2021.07.003	34366109	ヒト	子宮	1	0	nested case-control	1	1	1	1	1	1	-	1
統合_0088		X. Wen, Y. Xiong, X. Qu, L. Jin, C. Zhou, M. Zhang and Y. Zhang	2019	The risk of endometriosis after exposure to endocrine-disrupting chemicals: a meta-analysis of 30 epidemiology studies	Gynecol Endocrinol. 2019 Aug;35(8):645-650.	10.1080/09513590.2019.1590546	30907174	ヒト	子宮(メタアナリシス)	1	0	メタアナリシス	1	1	1	1	1	1	コホート2本を含む	1
統合_0089		X. Wen, Y. Xiong, L. Jin, M. Zhang, L. Huang, Y. Mao, C. Zhou, Y. Qiao and Y. Zhang	2020	Bisphenol A Exposure Enhances Endometrial Stromal Cell Invasion and Has a Positive Association with Peritoneal Endometriosis	Reprod Sci. 2020 Feb;27(2):704-712.	10.1007/s43032-019-00076-7	32046440	ヒト	子宮	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0090		J. Wei, R. Liu, Z. Yang, H. Liu, Y. Wang, J. Zhang, M. Sun, C. Shen, J. Liu, P. Yu and N. J. Tang	2024	Gestational exposure to bisphenols exposure with lipid profiles and dyslipidemia in Chinese adults: Independent, combined and interactive effects	Sci Total Environ. 2024 Oct 10;946:174315.	10.1016/j.scitotenv.2024.174315	38942316	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0091		C. Warembourg, L. Maitre, I. Tamayo-Uria, S. Fossati, T. Roumeliotaki, G. M. Aasvang, S. Andrusalyte, M. Casas, E. Cequier, L. Chatzi, A. Dedele, J. R. Gonzalez, R. Gražulevičienė, L. S. Haug, C. Hernandez-Ferrer, B. Heude, M. Karachaliou, N. H. Krog, R. McEachan, M. Nieuwenhuijsen, I. Petravičienė, J. Quentin, O. Robinson, A. K. Sakhi, R. Slama, C. Thomsen, J. Urquiza, M. Vafeiadi, J. West, J. Wright, M. Vrijheid and X. Basagaña	2019	Early-Life Environmental Exposures and Blood Pressure in Children	J Am Coll Cardiol. 2019 Sep 10;74(10):1317-1328.	10.1016/j.jacc.2019.06.069	31488269	ヒト	心血管	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0093		Z. Wang, Y. Zhou, H. Liang, M. Miao, Y. Chen, X. Zhang, X. Song and W. Yuan	2021	Prenatal exposure to bisphenol analogues and digit ratio in children at ages 4 and 6 years: A birth cohort study	Environ Pollut. 2021 Jun 1;278:116820.	10.1016/j.envpo.1.2021.116820	33689944	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	妊娠第3半期の単回尿BPsと、4歳・6歳の2D/4D、2D/4Dの感受性時期は胎児期と考えると、横断的であることも懸念されるが、時間順序は前向き解析ありと判断	1
統合_0094		Z. Wang, M. Miao, J. Xu, Y. Chen, H. Liang, L. Yang, X. Liu, S. Wen, X. Tu and W. Yuan	2022	Gestational exposure to bisphenol analogues and kisspeptin levels in pregnant women and their children: A pregnancy-birth cohort study	Sci Total Environ. 2022 Nov 20;848:157720.	10.1016/j.scitotenv.2022.157720	35914601	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	曝露は母体尿BPs。アウトカムは母体尿キスベプチン(横断)と、6歳児の尿キスベプチン(縦断)。	1
統合_0097		X. Wang, N. Tang, S. F. Nakayama, P. Fan, Z. Liu, J. Zhang and F. Ouyang	2020	Maternal urinary bisphenol A concentration and thyroid hormone levels of Chinese mothers and newborns by maternal body mass index	Environ Sci Pollut Res Int. 2020 Apr;27(10):10939-10943.	10.1007/s11356-020-07705-8	31953761	ヒト	甲状腺	0	0	コホート研究	1	1	1	1	1	1	母の甲状腺ホルモンをアウトカムにした研究は横断	-
統合_0098		X. Wang, Z. C. Luo, O. Du, H. J. Zhang, P. Fan, R. Ma, Y. Chen, W. Wang, J. Zhang and F. Ouyang	2023	The association between maternal urinary Bisphenol A levels and neurodevelopment at age 2 years in Chinese boys and girls: A prospective cohort study	Ecotoxicol Environ Saf. 2023 Oct 1;264:115413.	10.1016/j.ecoen.2023.115413	37651794	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0099		X. Wang, Z. Hu, Y. Jin, M. Yang, Z. Zhang, X. Zhou, S. Qiu and X. Zou	2024	Exploring the relationships between exposure levels of bisphenols and phthalates and prostate cancer occurrence	J Hazard Mater. 2024 Aug 5;474:134736.	10.1016/j.jhazmat.2024.134736	38815394	ヒト	発がん	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0100		P. W. Wang, Y. F. Huang, C. H. Wang, L. J. Fang and M. L. Chen	2024	Prenatal to preschool exposure of nonylphenol and bisphenol A exposure and neurodevelopment in young children	Pediatr Neonatal. 2024 Jan;65(1):76-84.	10.1016/j.pedn.2023.04.011	37679260	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0101		N. Wang, Y. Wang, H. Zhang, Y. Guo, C. Chen, W. Zhang, H. Wan, J. Han and Y. Lu	2020	Association of bone mineral density with nine urinary personal care and consumer product chemicals and metabolites: A national-representative, population-based study	Environ Int. 2020 Sep;142:105865.	10.1016/j.envint.2020.105865	32585503	ヒト	心血管	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-

別添-3 文献評価結果 (仮字)

統合No.		著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_0102		L. J. Wang, Y. H. Huang, W. J. Chou, S. Y. Lee, H. Y. Chang, C. C. Chen and H. R. Chao	2023	Interrelationships among growth hormone, thyroid function, and endocrine-disrupting chemicals on the susceptibility to attention-deficit/hyperactivity disorder	Eur Child Adolesc Psychiatry 2023 Aug;32(8):1391-1401.	10.1007/s00787-021-01886-4	35119524	ヒト	発達神経	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0103		J. Wang, H. Mei, A. F. Zhou, L. L. Huang, Z. Q. Cao, A. B. Hong, M. Yang, Q. T. Xie, D. Chen, S. P. Yang, H. Xiao and P. Yang	2021	The associations of birth outcome differences in twins with prenatal exposure to bisphenol A and its alternatives	Environ Res. 2021 Sep;200:111459.	10.1016/j.envres.2021.111459	34126051	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0109		F. Wang, Y. Zhang, S. Zhang, K. Han, Y. Wei, H. Guo, X. Zhang, H. Yang, T. Wu and C. He	2022	Combined effects of bisphenol A and diabetes genetic risk score on incident type 2 diabetes: A nested case-control study	Environ Pollut. 2022 Aug 15;307:119581.	10.1016/j.envpo.2022.119581	35680067	ヒト	代謝	0	0	症例対照研究	1	1	1	1	1	1	血清BPA,5年間のTZD発症をみる前向き・ネステッドケースコントロール,非糖尿病者でのFPGの5年変化という2種類の解析.ただし,後者のうちBPAとベースラインFPGの関連は偶然.	-
統合_0111		B. Wang, S. Wang, Z. Zhao, Y. Chen, Y. Xu, M. Li, M. Xu, W. Wang, G. Ning, Y. Bi and T. Wang	2020	Bisphenol A exposure in relation to altered lipid profile and dyslipidemia among Chinese adults: A repeated measures study	Environ Res. 2020 May;184:109382.	10.1016/j.envres.2020.109382	32192991	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0114		A. M. Vuong, J. M. Braun, A. Sjödin, A. M. Calafat, K. Yoltón, B. P. Lanphear and A. Chen	2021	Exposure to endocrine disrupting chemicals (EDCs) and cardiometabolic indices during pregnancy: The HOME Study	Environ Int. 2021 Nov;156:106747.	10.1016/j.envint.2021.106747	34425642	ヒト	心血管	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0115		Q. T. Vu Huynh, H. T. Ban, N. L. Vuong and N. P. Khanh	2024	The relationship between bisphenol A and phthalates with precocious puberty in Vietnamese children	J Pediatr Endocrinol Metab. 2024 Jun 4;37(7):644-651.	10.1515/jpem-2024-0144	38829694	ヒト	生殖発生	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0122		J. R. Varshavsky, J. D. Meeker, E. Zimmerman, M. L. Woodbury, M. T. Aung, Z. Y. Rosario-Pabon, A. L. Cathey, C. M. V élez-Vega, J. Cordero, A. Alshawabkeh and S. M. Eick	2024	Association of Phenols, Parabens, and Their Mixture with Maternal Blood Pressure Measurements in the PROTECT Cohort	Environ Health Perspect. 2024 Aug;132(8):87004.	10.1289/ehp.14008	39140735	ヒト	心血管	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0127		T. P. van der Meer, M. van Faassen, A. P. van Beek, H. Snieder, I. P. Kema, B. H. R. Wolfenbuttel and J. V. van Vliet-Ostapchouk	2020	Exposure to Endocrine Disrupting Chemicals in the Dutch general population is associated with adiposity-related traits	Sci Rep. 2020 Jun 9;10(1):9311.	10.1038/s41598-020-66284-3	32518352	ヒト	心血管	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0128		T. P. van der Meer, M. K. Chung, M. van Faassen, K. C. Makris, A. P. van Beek, I. P. Kema, B. H. R. Wolfenbuttel, J. V. van Vliet-Ostapchouk and C. J. Patel	2021	Temporal exposure and consistency of endocrine disrupting chemicals in a longitudinal study of individuals with impaired fasting glucose	Environ Res. 2021 Jun;197:110901.	10.1016/j.envres.2021.110901	33617867	ヒト	代謝(メタアナリシス)	0	0	バイオモニタリング	1	1	-	-	-	適格性基準 不適合	-	-
統合_0129		M. A. van den Dries, M. Guxens, S. Spaan, K. K. Ferguson, E. Phillips, S. Santos, V. W. V. Jaddoe, A. Ghassabian, L. Trasande, H. Tiemeier and A. Pronk	2020	Phthalate and Bisphenol Exposure during Pregnancy and Offspring Nonverbal IQ	Environ Health Perspect. 2020 Jul;128(7):77009.	10.1289/ehp.6047	32716663	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0132		M. Vacca, F. M. Calabrese, F. Loperfido, B. Maccarini, R. M. Cerbo, E. Sommella, E. Salviati, L. Voto, M. De Angelis, G. Ceccarelli, I. Di Napoli, B. Raspini, D. Porri, E. Ciaraldi, F. Garofoli, P. Campiglia, H. Cenas and R. De Giuseppe	2024	Maternal Exposure to Endocrine-Disrupting Chemicals: Analysis of Their Impact on Infant Gut Microbiota Composition	Biomedicines. 2024 Jan 19;12(1):234.	10.3390/biomedicines12010234	38275405	ヒト	心血管	0	0	コホート研究	1	1	0	1	1	2	生後1,6,12か月の便から腸内細菌叢 曝露は出産後1年母の尿	-
統合_0133		Ö. Ustaoğlu, O. Elbasan, P. Erel, N. S. Bulut and N. Yorguner	2024	Endocrine-disrupting effects of bisphenol-A, thiamethoxam, and fipronil in hormone-naïve transmen compared to cis-women	Hormones (Athens). 2024 Sep;23(3):375-383.	10.1007/s42000-024-00574-7	38990460	ヒト	生殖発生	1	0	症例対照研究	1	1	0	1	0	2	曝露とアウトカム評価時期が一致。	-
統合_0135		C. S. Uldbjerg, Y. H. Lim, M. Krausa, H. Frederiksen, A. M. Andersson and E. V. Bräuner	2022	Sex-specific associations between maternal exposure to parabens, phenols and phthalates during pregnancy and birth size outcomes in offspring	Sci Total Environ. 2022 Aug 25;836:15565.	10.1016/j.scitotenv.2022.15565	35508231	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0136		C. S. Uldbjerg, J. Leader, L. Minguez-Alarcon, O. Chagnon, R. Dadd, J. Ford, E. Fleury, P. Williams, A. Juul, D. C. Bellinger, A. M. Calafat, R. Hauser and J. M. Braun	2024	Associations of maternal and paternal preconception and maternal pregnancy urinary phthalate biomarker and bisphenol A concentrations with offspring autistic behaviors: The PEACE study	Environ Res. 2024 Dec 15;263(Pt 3):120253.	10.1016/j.envres.2024.120253	39486680	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0137		J. Y. Uhm and H. R. Kim	2022	Cross-Sectional Association of Urinary Bisphenol A and Vaccine-Induced Immunity against Hepatitis B Virus: Data from the 2003-2014 National Health and Nutrition Examination Survey	Int J Environ Res Public Health. 2022 Jan 19;19(3):1103.	10.3390/ijerph19031103	35162124	ヒト	免疫	0	1	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0138		P. Tyagi, T. James-Todd, L. Minguez-Alarcon, J. B. Ford, M. Keller, J. Petrozza, A. M. Calafat, R. Hauser, P. L. Williams and A. Bellavia	2021	Identifying windows of susceptibility to endocrine disrupting chemicals in relation to gestational weight gain among pregnant women attending a fertility clinic	Environ Res. 2021 Mar;194:110638.	10.1016/j.envres.2020.110638	33359703	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0139		T. Tuzimski, S. Szubartowski, A. Stupak, W. Kwasniewski, M. Szulka-Mlynska, A. Kwasniewska and B. Buszewski	2023	The Association between the Bisphenols Residues in Amniotic Fluid and Fetal Abnormalities in Polish Pregnant Women- Its Potential Clinical Application	Int J Mol Sci. 2023 Jan 1;24(1):730.	10.3390/ijms24010730	36614173	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0140		C. M. Tsen, J. H. Liu, D. P. Yang, H. R. Chao, J. L. Chen, W. C. Chou, Y. C. Ho and C. Y. Chuang	2021	Study on the correlation of bisphenol A exposure, pro-inflammatory gene expression, and C-reactive protein with potential cardiovascular disease symptoms in young adults	Environ Sci Pollut Res Int. 2021 Feb 24.	10.1007/s11356-021-12805-0	33625709	ヒト	心血管	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0145		Ö. Tezol, S. S. Yalçin, A. Yürün, A. Balci Özyurt, Ç. Okuyaz and P. Erkekoğlu	2024	Plasma bisphenol a and phthalate levels in children with cerebral palsy: a case-control study	Int J Environ Health Res. 2024 Jan;34(1):499-513.	10.1080/09603123.2022.2153811	36519276	ヒト	発達神経	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0146		R. Tchen, Y. Tan, D. Boyd Barr, P. Barry Ryan, V. Tran, Z. Li, Y. J. Hu, A. K. Smith, D. P. Jones, A. L. Dunlop and D. Liang	2022	Use of high-resolution metabolomics to assess the biological perturbations associated with maternal exposure to Bisphenol A and Bisphenol F among pregnant African American women	Environ Int. 2022 Nov;169:107530.	10.1016/j.envint.2022.107530	36148711	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0147		E. M. Tanner, M. U. Hallerback, S. Wikström, C. Lindh, H. Kiviranta, C. Gennings and C. G. Bornehag	2020	Early prenatal exposure to suspected endocrine disruptor mixtures is associated with lower IQ at age seven	Environ Int. 2020 Jan;134:105185.	10.1016/j.envint.2019.105185	31668669	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0149		P. Tang, J. Liang, Q. Liao, H. Huang, X. Guo, M. Lin, B. Liu, B. Wei, X. Zeng, S. Liu, D. Huang and X. Qiu	2023	Associations of bisphenol exposure with the risk of gestational diabetes mellitus: a nested case-control study in Guangxi, China	Environ Sci Pollut Res Int. 2023 Feb;30(10):25170-25180.	10.1007/s11356-021-17794-8	34837624	ヒト	生殖発生	1	0	症例対照研究	1	1	1	1	1	1	-	1

1：該当、 1：該当、
0：該当し 0：該当し
ない ない

適格性評価
1：該当、 0：該当しない

信頼性評価
1：該当、 0：該当しない

1：BPAのリスク評価への使用が有用と考えられる文献
2：BPAのリスク評価の上で有用性が低いと考えられる文献
3：何らかの理由で判断できない文献

1：該当

別添-3 文献評価結果（仮字）

統合No.		著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_0150		N. Tang, D. Wang, X. Chen, M. Zhang, W. Lv and X. Wang	2022	Maternal bisphenol A and triclosan exposure and allergic diseases in childhood: a meta-analysis of cohort studies	Environ Sci Pollut Res Int. 2022 Nov;29(55):83389-83403.	10.1007/s11356-022-21575-2	35764729	ヒト	免疫(メタアナリシス)	0	1	メタアナリシス	1	1	1	1	1	1	コホート7本を含む	1
統合_0152		E. Taheri, R. Riahi, N. Rafiei, A. Fatehizadeh, H. M. N. Iqbal and S. M. Hosseini	2021	Bisphenol A exposure and abnormal glucose tolerance during pregnancy: systematic review and meta-analysis	Environ Sci Pollut Res Int. 2021 Nov;28(44):62105-62115.	10.1007/s11356-021-16691-4	34590231	ヒト	代謝(メタアナリシス)	0	0	メタアナリシス	1	1	1	1	1	1	コホート5本を含む	-
統合_0154		F. P. Tabanlı, S. S. Yalçın, S. Ramoğlu, Ş. Kiykaç Altınbaş, A. Yürün, A. Balci Özyurt, F. Güçel, P. Erkekoğlu and K. Yurdakök	2023	Association of bisphenol A with 25(OH)D, 1,25(OH)(2)D levels and 1,25(OH)2D/25(OH)D ratio in cord blood	Environ Sci Pollut Res Int. 2023 Sep;30(45):100391-100402.	10.1007/s11356-023-29288-w	37626198	ヒト	その他(ビタミンDレベル)	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0155		C. Symeonides, K. Vacy, S. Thomson, S. Tanner, H. K. Chua, S. Dixit, T. Mansell, M. O'Hely, B. Novakovic, J. B. Herbstman, S. Wang, J. Guo, J. Chia, N. T. Tran, S. E. Hwang, K. Britt, F. Chen, T. H. Kim, C. A. Reid, A. El-Bitar, G. B. Bernasocchi, L. M. D. Delbridge, V. R. Harley, Y. W. Yap, D. Dewey, C. J. Love, D. Burgner, M. L. K. Tang, P. D. Sly, R. Saffery, J. F. Mueller, N. Rinehart, B. Tonge, P. Vuillemin, A. L. Ponsonby and W. C. Boon	2024	Male autism spectrum disorder is linked to brain aromatase disruption by prenatal BPA in multimodal investigations and 10HDA ameliorates the related mouse phenotype	Nat Commun. 2024 Aug 7;15(1):6367.	10.1038/s41467-024-48897-8	39112449	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0161		B. Sunman, K. Yurdakök, B. Kocer-Gumusel, Ö. Özyüncü, F. Akbryk, A. Balci, G. Özkekahli, P. Erkekoğlu and M. Yurdakök	2019	Prenatal bisphenol a and phthalate exposure are risk factors for male reproductive system development and cord blood sex hormone levels	Reprod Toxicol. 2019 Aug;87:146-155.	10.1016/j.reprotox.2019.05.065	31170452	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0162		M. Sung, H. M. Jee, J. H. Kim, E. K. Ha, Y. H. Shin, J. H. Kim, D. H. Lim and M. Y. Han	2022	Serum vitamin D level mitigates fractional exhaled nitric oxide linked to bisphenol-A in school-aged children	Eur Rev Med Pharmacol Sci. 2022 Mar;26(5):1640-1647.	10.26355/eurrev_202203_28232	35302211	ヒト	呼吸器系	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0164		M. Sugura-Ogasawara, N. Suwannarin, H. Tamada, T. Ebara, Y. Ito, S. F. Nakayama, M. Takagi, S. Saitoh and M. Kamijima	2025	Effect of maternal bisphenol exposure on adverse pregnancy and neonatal outcomes: The Japan Environment and Children's study	Environ Int. 2025 Aug;202:109663.	10.1016/j.envint.2025.109663	40651277	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0165		H. Su, J. Xi, M. Miao, H. Liang, Y. Chen, Z. Wang, Y. Zhou, Y. Jin, H. Ji and W. Yuan	2025	Bisphenol analogs exposure in 4-year-old children and their intelligence quotient at 6 years: A prospective cohort study	Environ Res. 2025 Jul 1;276:121238.	10.1016/j.envres.2025.121528	40185270	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0166		S. M. Sturla Izarrary, A. L. Cathey, Z. Y. Rosario Pabón, C. M. Velez Vega, A. N. Alshawabkeh, J. F. Cordero, D. J. Watkins and J. D. Meeker	2024	Urinary phenol and paraben concentrations in association with markers of inflammation during pregnancy in Puerto Rico	Sci Total Environ. 2024 Apr 15;921:170889.	10.1016/j.scitotenv.2024.170889	38360311	ヒト	免疫	0	1	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0167		K. Strømme, J. L. Lyche, S. J. Moltu, M. H. B. Müller, E. W. Blakstad, K. Brakke, A. K. Sakhi, C. Thomsen, B. Nakstad, A. E. Rønnested, C. A. Drevon and P. O. Iversen	2022	Estimated daily intake of phthalates, parabens, and bisphenol A in hospitalised very low birth weight infants	Chemosphere. 2022 Dec;309(Pt 1):36687.	10.1016/j.chemosphere.2022.136687	36206919	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0170		L. Stecca, I. Moscoso-Ruiz, Y. Gálvez-Ontiveros and A. Rivas	2022	Association between dietary exposure to bisphenols and body mass index in Spanish schoolchildren	EFSA J. 2022 May 25;20(Suppl 1):200421.	10.2903/j.efsa.2022.200421	35634546	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0171		A. Soundararajan, P. Prabu, V. Mohan, Y. Gibert and M. Balasubramanyam	2019	Novel insights of elevated systemic levels of bisphenol-A (BPA) linked to poor glycemic control, accelerated cellular senescence and insulin resistance in patients with type 2 diabetes	Mol Cell Biochem. 2019 Aug;458(1-2):171-183.	10.1007/s11010-019-03540-9	31004310	ヒト	代謝	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0172		A. M. Soto, C. M. Schaeberle and C. Sonnenschein	2025	Development gone awry: Fetal exposure to bisphenol A and cancer	Ann Endocrinol (Paris). 2025 Jun;86(3):101786.	10.1016/j.ando.2025.101786	40446628	ヒト	発がん	0	0	Editorial	1	1	-	-	-	適格性基準 不適合	-	-
統合_0174		X. Song, X. Zhou, F. Yang, H. Liang, Z. Wang, R. Li, M. Miao and W. Yuan	2020	Association between prenatal bisphenol A exposure and promoter hypermethylation of CAPS2, TNFRSF25, and HKR1 genes in cord blood	Environ Res. 2020 Nov;190:109996.	10.1016/j.envres.2020.109996	32763279	ヒト	遺伝毒性	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0175		X. Song, Z. Wang, Z. Zhang, M. Miao, J. Liu, M. Luan, J. Du, H. Liang and W. Yuan	2021	Differential methylation of genes in the human placenta associated with bisphenol A exposure	Environ Res. 2021 Sep;200:111389.	10.1016/j.envres.2021.111389	34089743	ヒト	遺伝毒性	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0176		C. M. Sol, C. van Zwol-Janssens, E. M. Phillips, A. G. Asimakopoulos, M. P. Martinez-Moral, K. Kannan, V. W. V. Jaddoe, L. Trasande and S. Santos	2021	Maternal bisphenol urine concentrations, fetal growth and adverse birth outcomes: A population-based prospective cohort	Environ Health. 2021 May 15;20(1):60.	10.1186/s12940-021-00747-6	33992119	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0177		C. M. Sol, S. Santos, L. Duijts, A. G. Asimakopoulos, M. P. Martinez-Moral, K. Kannan, E. M. Phillips, L. Trasande and V. W. V. Jaddoe	2020	Fetal exposure to phthalates and bisphenols and childhood general and organ fat: A population-based prospective cohort study	Int J Obes (Lond). 2020 Nov;44(11):2225-2235.	10.1038/s41366-020-00672-7	32920592	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0178		C. M. Sol, S. Santos, A. G. Asimakopoulos, M. P. Martinez-Moral, L. Duijts, K. Kannan, L. Trasande and V. W. V. Jaddoe	2020	Associations of maternal phthalate and bisphenol urine concentrations during pregnancy with childhood blood pressure in a population-based prospective cohort study	Environ Int. 2020 May;138:105677.	10.1016/j.envint.2020.105677	32220816	ヒト	心血管	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0179		C. M. Sol, A. Gaylord, S. Santos, V. W. V. Jaddoe, J. F. Felix and L. Trasande	2022	Fetal exposure to phthalates and bisphenols and DNA methylation at birth: the Generation R Study	Clin Epigenetics. 2022 Oct 10;14(1):125.	10.1186/s13148-022-01345-0	36217170	ヒト	遺伝毒性	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0186		C. C. V. Silva, V. W. V. Jaddoe, C. M. Sol, H. El Marron, M. P. Martinez-Moral, K. Kannan, L. Trasande and S. Santos	2021	Phthalate and Bisphenol Urinary Concentrations, Body Fat Measures, and Cardiovascular Risk Factors in Dutch School-Age Children	Obesity (Silver Spring). 2021 Feb;29(2):409-417.	10.1002/oby.23082	33491307	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0187		A. Sigvaldsen, H. Frederiksen, F. D. Hejsgaard, A. M. Andersson, A. Juul, H. Boye, M. S. Andersen and T. K. Jensen	2024	Prenatal and childhood exposure to bisphenols and bone mineral density in 7-year-old children from the Odense Child Cohort	Int J Hyg Environ Health. 2024 Jul;260:114408.	10.1016/j.ijheh.2024.114408	38896984	ヒト	骨	0	0	コホート研究	1	1	1	1	1	1	子どもの尿中BPAを利用した研究は横断	-

別添-3 文献評価結果 (仮字)

統合No.	著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_0192	Y. Shi, H. Wang, Z. Zhu, Q. Ye, F. Lin and G. Cai	2023	Association between exposure to phenols and parabens and cognitive function in older adults in the United States: A cross-sectional study	Sci Total Environ. 2023 Feb 1;858(Pt 3):160129.	10.1016/j.scitotenv.2022.160129	36370798	ヒト	発達神経	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0193	J. Shi, K. L. Hu, X. X. Li, Y. M. Ge, X. J. Yu and J. Zhao	2024	Bisphenol A downregulates GLUT4 expression by activating aryl hydrocarbon receptor to exacerbate polycystic ovary syndrome	Cell Commun Signal. 2024 Jan 10;22(1):28.	10.1186/s12964-023-01410-y	38200540	ヒト、動物	生殖発生	1	0	症例対照研究	1	1	0	0	0	2	あくまで動物研究が主。BPA曝露がアウトカムに先行するの時間的関連性がはっきりしない。	-
統合_0196	J. Shen, Q. Kang, Y. Mao, M. Yuan, F. Le, X. Yang, X. Xu and F. Jin	2020	Urinary bisphenol A concentration is correlated with poorer oocyte retrieval and embryo implantation outcomes in patients with tubal factor infertility undergoing in vitro fertilisation	Ecotoxicol Environ Saf. 2020 Jan 15;187:109816.	10.1016/j.ecoenv.2019.109816	31648075	ヒト	卵巣	1	0	コホート研究	1	1	1	1	1	1	採卵時尿、着床評価	1
統合_0199	S. Shah, K. S. Jeong, H. Park, Y. C. Hong, Y. Kim, B. Kim, N. Chang, S. Kim, Y. Kim, B. N. Kim, H. Kwon, S. Bae, H. C. Kim, J. H. Leem, E. K. Park, H. Joo, B. Park, M. Ha and E. Ha	2020	Environmental pollutants affecting children's growth and development: Collective results from the MOCEH study, a multi-centric prospective birth cohort in Korea	Environ Int. 2020 Apr;137:105547.	10.1016/j.envint.2020.105547	32088541	ヒト	発達神経	0	0	Protocol paper	1	1	-	-	-	適格性基準 不適合	-	-
統合_0203	M. Segovia-Mendoza, M. I. Palacios-Arreola, L. M. Monroy-Escamilla, A. E. Soto-Piña, K. E. Nava-Castro, Y. Becerril-Alarcón, R. Camacho-Belza, D. E. Aguirre-Quezada, E. Cardoso-Peña, O. Amador-Muñoz, J. J. Garduño-García and J. Morales-Montor	2022	Association of Serum Levels of Plasticizers Compounds, Phthalates and Bisphenols, in Patients and Survivors of Breast Cancer: A Real Connection?	Int J Environ Res Public Health. 2022 Jun 30;19(13):8040.	10.3390/ijerph19138040	35805702	ヒト	発がん	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0207	S. Schmidt	2022	Bisphenol A and Child Vascular Health: A Preview of Future Heart Disease Risk?	Environ Health Perspect. 2022 Jun;130(6):64003.	10.1289/ehp11498	35727643	ヒト	心血管	0	0	Editorial	1	1	-	-	-	適格性基準 不適合	-	-
統合_0209	B. Sarzo, R. Abumallouh, N. Marin, S. Llop, A. Beneito, I. Lopez-Flores, N. Ferrero, A. K. Sakhi, F. Ballester and M. J. Lopez-Espinosá	2022	Association between phenols and thyroid hormones: The role of iodothyronine deiodinase genes	Environ Pollut. 2022 Oct 15;311:119926.	10.1016/j.envpol.2022.119926	35964788	ヒト	その他(脱ヨード酵素(DIO))	0	0	コホート研究	1	1	1	1	1	1	母の甲状腺ホルモンについては横断	-
統合_0210	D. Sarink, A. A. Franke, K. K. White, A. H. Wu, I. Cheng, B. Quon, L. Le Marchand, L. R. Wilkens, H. Yu and M. A. Merritt	2021	BPA, Parabens, and Phthalates in Relation to Endometrial Cancer Risk: A Case-Control Study Nested in the Multiethnic Cohort	Environ Health Perspect. 2021 May;129(5):57702.	10.1289/ehp8998	33950701	ヒト	発がん	0	0	nested case-control	1	1	1	1	1	1	Research letter	-
統合_0212	E. Salamanca-Fernández, F. Vela-Soria, M. Rodríguez-Barranco, A. Arrebola-Moreno, L. M. Iribarne-Durán, N. Olea, M. J. Sánchez and J. P. Arrebola	2021	Serum levels of non-persistent environmental pollutants and risk of incident hypertension in a sub-cohort from the EPIC study	Environ Res. 2021 Feb;193:110491.	10.1016/j.envres.2020.110491	33227247	ヒト	心血管	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0213	E. Salamanca-Fernández, M. Rodríguez-Barranco, D. Petrova, N. Larrañaga, M. Guevara, C. Moreno-Inbas, M. D. Chirlaque, S. Colorado-Yohar, J. P. Arrebola, F. Vela, N. Olea, A. Agudo and M. J. Sánchez	2020	Bisphenol A exposure and risk of ischemic heart disease in the Spanish European Prospective Investigation into cancer and nutrition study	Chemosphere. 2020 Dec;261:127697.	10.1016/j.chemosphere.2020.127697	32731019	ヒト	心血管	0	0	case-cohort	1	1	1	1	1	1	-	-
統合_0215	E. Salamanca-Fernández, M. Rodríguez-Barranco, P. Amiano, J. Delgado, M. D. Chirlaque, S. Colorado, M. Guevara, A. Jimenez, J. P. Arrebola, F. Vela, N. Olea, A. Agudo and M. J. Sánchez	2021	Bisphenol-A exposure and risk of breast and prostate cancer in the Spanish European Prospective Investigation into Cancer and Nutrition study	Environ Health. 2021 Aug 16;20(1):88.	10.1186/s12940-021-00779-y	34399780	ヒト	発がん	0	0	コホート研究	1	1	1	1	1	1	Case-cohort	-
統合_0217	R. Sabry, J. F. Gallo, C. Rooney, O. L. M. Scandian, O. S. Davis, S. Amin, M. Faghhi, M. Karnis, M. S. Neal and L. A. Favetta	2024	Genetic and Epigenetic Profiles of Polycystic Ovarian Syndrome and In Vitro Bisphenol Exposure in a Human Granulosa Cell Model	Biomedicines. 2024 Jan 21;12(1):237.	10.3390/biomedicines12010237	38275408	in vitro	卵巣	1	0	実験	-	-	-	-	-	適格性基準 不適合	-	-
統合_0219	J. Rubinstein, S. M. Pinney, C. Xie and H. S. Wang	2024	Association of same-day urinary phenol levels and cardiac electrical alterations: analysis of the Fernald Community Cohort	Environ Health. 2024 Sep 19;23(1):76.	10.1186/s12940-024-01114-x	39300535	ヒト	心血管	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0228	V. Robles-Aguilera, Y. Gálvez-Ontiveros, L. Rodrigo, I. Salcedo-Bellido, M. Aguilera, A. Zafra-Gómez, C. Monteagudo and A. Rivas	2021	Factors Associated with Exposure to Dietary Bisphenols in Adolescents	Nutrients. 2021 May 5;13(5):1553.	10.3390/nu13051553	34062990	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0230	C. M. Ribeiro, B. T. S. Beserra, N. G. Silva, C. L. Lima, P. R. S. Rocha, M. S. Coelho, F. A. R. Neves and A. A. Amato	2020	Exposure to endocrine-disrupting chemicals and anthropometric measures of obesity: a systematic review and meta-analysis	BMJ Open. 2020 Jun 21;10(6):e033509.	10.1136/bmjopen-2019-033509	32565448	ヒト	代謝(メタアナリシス)	0	0	メタアナリシス	1	1	1	1	1	1	コホート4本を含む	-
統合_0234	F. Rancière, J. Botton, R. Slama, M. Z. Lacroix, L. Debrauwer, M. A. Charles, R. Roussel, B. Balkau and D. J. Magliano	2019	Exposure to Bisphenol A and Bisphenol S and Incident Type 2 Diabetes: A Case-Cohort Study in the French Cohort D.E.S.I.R	Environ Health Perspect. 2019 Oct;127(10):107013.	10.1289/ehp5159	31663775	ヒト	代謝	0	0	症例コホート研究	1	1	1	1	1	1	-	-
統合_0235	V. Ramirez, P. González-Palacios, P. J. González-Domenech, S. Jaimez-Pérez, M. A. Baca, L. Rodrigo, M. J. Alvarez-Cubero, C. Monteagudo, L. J. Martínez-González and A. Rivas	2024	Influence of Genetic Polymorphisms on Cognitive Function According to Dietary Exposure to Bisphenols in a Sample of Spanish Schoolchildren	Nutrients. 2024 Aug 10;16(16):2639.	10.3390/nu16162639	39203776	ヒト	発達神経	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0237	P. Radwan, B. Wielgomas, M. Radwan, R. Krasinski, A. Klimowska, D. Kaleta and J. Jurewicz	2020	Urinary bisphenol A concentrations and in vitro fertilization outcomes among women from a fertility clinic	Reprod Toxicol. 2020 Sep;96:216-220	10.1016/j.reprotox.2020.07.009	32721521	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0238	L. Quirós-Alcalá, N. N. Hansel, M. McCormack, A. M. Calafat, X. Ye, R. D. Peng and E. C. Matsu	2021	Exposure to bisphenols and asthma morbidity among low-income urban children with asthma	J Allergy Clin Immunol. 2021 Feb;147(2):577-586.e7	10.1016/j.jaci.2020.05.031	32736870	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_0239	J. Qu, W. Mao, K. Liao, Y. Zhang and H. Jin	2022	Association between urinary bisphenol analogue concentrations and lung cancer in adults: A case-control study	Environ Pollut. 2022 Dec 15;315:120323.	10.1016/j.envpol.2022.120323	36191799	ヒト	発がん	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0240	W. Qiu, S. Yin, K. Abulalati, X. Li, Y. Lu, Q. Zhang, M. Zhan and J. Zhang	2024	Preconception exposure to bisphenol A and its alternatives: Effects on female fecundity mediated by oxidative stress and ovarian reserve	Sci Total Environ. 2024 Dec 20;957:177558.	10.1016/j.scitotenv.2024.177558	39547376	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1

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別添-3 文献評価結果 (仮字)

統合No.	著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文獻ランク	コメント	情報抽出 対象文献
統合_0243	J. Puvvula, J. M. Braun, E. A. DeFranco, S. M. Ho, Y. K. Leung, S. Huang, X. Zhang, A. M. Vuong, S. S. Kim, Z. Percy, A. M. Calafat, J. C. Botelho and A. Chen	2024	Gestational exposure to environmental chemicals and epigenetic alterations in the placenta and cord blood mononuclear cells	Epigenetics Commun. 2024;1(1):4.	10.1186/s43682-024-00027-7	38962689	ヒト	子宮	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0244	Y. Pu, Y. Du, J. He, S. He, Y. Chen, A. Cao and Y. Dang	2024	The mediating role of steroid hormones in the relationship between bisphenol A and its alternatives bisphenol S and F exposure and preeclampsia	J Steroid Biochem Mol Biol. 2024 Nov;244:106591.	10.1016/j.jsbm.2024.106591	39059562	ヒト	生殖発生	1	0	コホート研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0245	N. B. Prabhu, S. Vasishta, S. K. Bhat, M. B. Joshi, S. P. Kabekkodu, K. Sathyamoorthy and P. S. Raj	2023	Distinct metabolic signatures in blood plasma of bisphenol A-exposed women with polycystic ovarian syndrome	Environ Sci Pollut Res Int. 2023 May;30(23):64025-64035.	10.1007/s11356-023-26820-w	37060405	ヒト	卵巣	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0248	R. C. N. Pontelli, B. A. Rocha, D. M. Garcia, L. A. Pereira, M. C. O. Souza, F. Barbosa, Jr. and E. M. Rocha	2020	Endocrine disrupting chemicals associated with dry eye syndrome	Ocul Surf. 2020 Jul;18(3):487-493.	10.1016/j.jtos.2020.01.001	31958513	ヒト	その他(視覚センサー)	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0251	A. Z. Pollack, J. R. Krall, S. H. Swan and G. M. B. Louis	2022	Does Older Age Modify Associations between Endocrine Disrupting Chemicals and Fecundability?	Int J Environ Res Public Health. 2022 Jun 30;19(13):8074.	10.3390/ijerph19138074	35805732	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0254	E. M. Phillips, S. Santos, E. A. P. Steegers, A. G. Asimakopoulos, K. Kannan, L. Trasande and V. W. V. Jaddoe	2020	Maternal bisphenol and phthalate urine concentrations and weight gain during pregnancy	Environ Int. 2020 Feb;135:105342.	10.1016/j.envint.2019.105342	31864031	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0255	E. M. Phillips, V. W. V. Jaddoe, A. Deierlein, A. G. Asimakopoulos, K. Kannan, E. A. P. Steegers and L. Trasande	2020	Exposures to phthalates and bisphenols in pregnancy and postpartum weight gain in a population-based longitudinal birth cohort	Environ Int. 2020 Nov;144:106002.	10.1016/j.envint.2020.106002	32745783	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0257	W. Peng, M. Tamayo-Ortiz, L. Tang, B. N. Sánchez, A. Cantoral, J. D. Meeker, D. C. Dellino, E. F. Roberts, E. A. Martinez-Mier, H. Lamadrid-Figueroa, P. X. K. Song, A. S. Ettinger, R. Wright, M. Arora, L. Schnaas, D. J. Watkins, J. M. Goodrich, R. C. Garcia, M. Solano-Gonzalez, L. F. Bautista-Arredondo, A. Mercado-Garcia, H. Hu, M. Hernandez-Avila, M. M. Tellez-Rojo and K. E. Peterson	2019	Early Life Exposure in Mexico to Environmental Toxicants (ELEMENT) Project	BMJ Open. 2019 Aug 26;9(8):e030427.	10.1136/bmjopen-2019-030427	31455712	ヒト	生殖発生	1	0	コホートプロファイル論文	1	1	-	-	-	適格性基準 不適合	-	-
統合_0258	W. Peng, N. M. Kasper, D. J. Watkins, B. N. Sanchez, J. D. Meeker, A. Cantoral, M. Solano-Gonzalez, M. M. Teller-Rojo and K. Peterson	2020	Exposure to Endocrine-Disrupting Chemicals During Pregnancy Is Associated with Weight Change Through 1 Year Postpartum Among Women in the Early-Life Exposure in Mexico to Environmental Toxicants Project	J Womens Health (Larchmt). 2020 Nov;29(11):1419-1426.	10.1089/jwh.2020.19.8078	32233978	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0259	S. Peng, S. Dong, C. Gong, X. Chen, H. Du, Y. Zhan and Z. Yang	2023	Evidence-based identification of breast cancer and associated ovarian and uterus cancer risk components in source waters from high incidence area in the Pearl River Basin, China	Sci Total Environ. 2023 Dec 10;903:166060.	10.1016/j.scitotenv.2023.166060	37543346	ヒト	発がん	0	0	生態学的研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0265	F. M. Peinado, I. Lendínez, R. Sotelo, L. M. Iribarne-Durán, J. Fernández-Parra, F. Vela-Soria, N. Olea, M. F. Fernández, C. Freire, J. León, B. Pérez-Cabrera, O. Ocoñ-Hernández and F. Artacho-Córdón	2020	Association of Urinary Levels of Bisphenols A, F, and S with Endometriosis Risk: Preliminary Results of the EndEA Study	Int J Environ Res Public Health. 2020 Feb 13;17(4):1194.	10.3390/ijerph17041194	32069886	ヒト	子宮	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0270	J. Patel, H. Chaudhary, S. Panchal, B. Parekh and R. Joshi	2024	Connecting Bisphenol A Exposure to PCOS: Findings from a Case-Control Investigation	Reprod Sci. 2024 Aug;31(8):2273-2281.	10.1007/s43032-024-01548-1	38637475	ヒト	卵巣	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0272	J. Patel, H. Chaudhary, S. Panchal and R. Joshi	2025	Plasticizer exposure and reproductive dysfunction: Assessing bisphenol A and phthalate esters impact on ovarian reserve in women with PCOS-associated infertility	Reprod Toxicol. 2025 Aug;135:108949.	10.1016/j.reprotox.2025.108949	40379154	ヒト	卵巣	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0273	M. Pastor-García, S. Gimeno-Martos, Ó. Zurriaga, J. V. Sorli and C. Cervero-Carbonell	2020	[Congenital heart defects in the Valencian Community 2007-2014: The Population-Based Registry Of Congenital Anomalies]	An Pediatr (Engl Ed). 2020 Jan;92(1):13-20.	10.1016/j.anpe.2018.12.019	31122878	ヒト	生殖発生	1	0	症例対照研究	1	1	0	1	0	2	CHDの疫学論文で、BPA曝露の言及なし	-
統合_0275	S. Park and C. Chung	2021	Effects of a dietary modification intervention on menstrual pain and urinary BPA levels: a single group clinical trial	BMC Womens Health. 2021 Feb 9;21(1):58.	10.1186/s12905-021-01199-3	33563271	ヒト	生殖発生	1	0	コホート研究	1	1	0	1	0	2	非無作為、単群の介入研究	-
統合_0277	H. Parada, Jr., M. D. Gammon, H. L. Ettore, J. Chen, A. M. Calafat, A. I. Neugut, R. M. Santella, M. S. Wolff and S. L. Teitelbaum	2019	Urinary concentrations of environmental phenols and their associations with breast cancer incidence and mortality following breast cancer	Environ Int. 2019 Sep;130:104890.	10.1016/j.envint.2019.05.084	31228785	ヒト	発がん	0	0	コホート研究	1	1	1	1	1	1	乳がん患者を追跡、死亡をアウトカムにした分析部分を評価する	-
統合_0278	D. Paoli, F. Pallotti, A. P. Dima, E. Albani, C. Aliviggi, F. Causio, C. C. Dioguardi, A. Conforti, R. Ciriminna, G. Fabozzi, G. Giuffrida, R. Gualtieri, M. G. Minasi, S. Ochetti, V. Pisaturo, C. Racca, L. Rienzi, E. Sarcina, C. Scarica, G. Tomasi, C. Veriengia, R. Villeggia, F. Zullo, A. Lenzi, F. Botrè and L. De Santis	2020	Phthalates and Bisphenol A: Presence in Blood Serum and Follicular Fluid of Italian Women Undergoing Assisted Reproduction Techniques	Toxics. 2020 Oct 21;8(4):91.	10.3390/toxics8040091	33096627	ヒト	卵巣	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0281	R. Pan, C. Wang, R. Shi, Y. Zhang, Y. Wang, C. Cai, G. Ding, T. Yuan, Y. Tian and Y. Gao	2019	Prenatal Bisphenol A exposure and early childhood neurodevelopment in Shandong, China	Int J Hyg Environ Health. 2019 Jun;222(5):896-902.	10.1016/j.ijheh.2019.03.002	30981646	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0282	K. Pan, J. Xu, Y. Xu, C. Wang and J. Yu	2024	The association between endocrine disrupting chemicals and nonalcoholic fatty liver disease: A systematic review and meta-analysis	Pharmacol Res. 2024 Jul;205:107251.	10.1016/j.phrs.2024.107251	38862070	ヒト	肝毒性(メタアナリシス)	0	0	システマティックレビュー+メタアナリシス	1	1	0	1	1	2	BPAに関する研究は4つ、すべて横断。	-
統合_0283	F. I. Palmieri, M. G. Gryngarten, A. J. Arcari, V. Umido and A. V. Freire	2025	Endocrine disruptors as risk factors for idiopathic premature thelarche in girls: A case-control study	Arch Argent Pediatr. 2025 Jun 1;123(3):e202410501.	10.5546/aap.2024-10501.eng	40168507	ヒト	乳房	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない。曝露評価はBPAが含まれるような容器の使用など質問票調査	-

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統合No.	著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_0284	E. Palak, W. Lebedzińska, S. Anisimowicz, M. Sztachelska, P. Pierzyński, W. Wiczowski, B. Zelazowska-Rutkowska, G. N. Niklińska, D. Ponikwicka-Tyszo and S. Wolczyński	2021	The Association between Bisphenol A, Steroid Hormones, and Selected MicroRNAs Levels in Seminal Plasma of Men with Infertility	J Clin Med. 2021 Dec 18;10(24):5945.	10.3390/jcm10245945	34945242	ヒト	精子	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0286	R. Ozcelci, N. N. Yenigül, S. Dilbaz, B. Dilbaz, O. Aldemir, I. Kaplanoglu, F. Güçel, E. Bager and M. Tekin Ö	2024	The Association of ICSI Outcomes with Semen and Blood Bisphenol A Concentrations of the Male Partner	Reprod Sci. 2024 May;31(5):1323-1331.	10.1007/s43032-023-01446-y	38212582	ヒト	精巣	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0287	F. Duiyang, G. H. Zhang, K. Du, L. Shen, R. Ma, X. Wang, X. Wang and J. Zhang	2020	Maternal prenatal urinary bisphenol A level and child cardio-metabolic risk factors: A prospective cohort study	Environ Pollut. 2020 Oct;265(Pt A):115008.	10.1016/j.envpo.2020.115008	32574892	ヒト	心血管	0	0	コホート研究	1	1	1	1	1	1	子どもの尿中BPAを利用した研究は横断	-
統合_0288	M. Ouidir, A. H. Cissé, J. Botton, S. Lyon-Caen, C. Thomsen, A. K. Sakhi, A. Sabaredzovic, S. Bayat, R. Slama, B. Heude and C. Philippat	2024	Fetal and Infancy Exposure to Phenols, Parabens, and Phthalates and Anthropometric Measurements up to 36 Months, in the Longitudinal SEPAGES Cohort	Environ Health Perspect. 2024 May;132(5):57002.	10.1289/ehp13644	38728218	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0291	S. Oskar, A. A. Balalian and J. A. Stingone	2024	Identifying critical windows of prenatal phenol, paraben, and pesticide exposure and child neurodevelopment: Findings from a prospective cohort study	Sci Total Environ. 2024 Apr 10;920:170754.	10.1016/j.scitotenv.2024.170754	38369152	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0294	J. Oh, S. Shah, K. A. Lee, E. Park, D. W. Lee, Y. C. Hong, S. Song, S. Y. Kim, H. Park, H. C. Kim, K. S. Jeong and E. Ha	2025	Sex-specific effects of prenatal exposure to phthalates and bisphenol A on adverse birth outcomes: Results from The Korean Children's ENvironmental health Study (Ko-CHENS)	Environ Int. 2025 May;199:109518.	10.1016/j.envint.2025.109518	40359600	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0297	Y. Nishimura, K. Moriya, S. Kobayashi, A. Araki, F. Sata, T. Mitsui, S. Itoh, C. Miyashita, K. Cho, M. Kon, M. Nakamura, T. Kitta, S. Murali, R. Kishi and N. Shinohara	2020	Association of exposure to prenatal phthalate esters and bisphenol A and polymorphisms in the ESR1 gene with the second to fourth digit ratio in school-aged children: Data from the Hokkaido study	Steroids. 2020 Jul;159:108637.	10.1016/j.steroids.2020.108637	32165209	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0298	F. M. Nilsen and N. S. Tulve	2020	A systematic review and meta-analysis examining the interrelationships between chemical and non-chemical stressors and inherent characteristics in children with ADHD	Environ Res. 2020 Jan;180:108884.	10.1016/j.envres.2019.108884	31706600	ヒト	発達神経(メタアナリシス)	0	0	システムティックレビュー・メタアナリシス	1	1	0	1	1	2	BPAはフタレート/プラスチサイザー(Ph/Pi)の一部として扱われており、BPA単独のリスク評価は困難。	-
統合_0299	H. Nie, F. Wang, Y. Zhang, S. Zhang, X. Han, X. Zhang, H. Guo and M. He	2021	Associations of serum bisphenol A levels with incident chronic kidney disease risk	Sci Total Environ. 2021 Jun 1;771:145401.	10.1016/j.scitotenv.2021.145401	33545483	ヒト	腎	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0302	S. Ng, L. W. Chen, Z. Y. Chen, M. H. Chen, A. H. Y. Chu, K. M. Godfrey, K. H. Tan, P. D. Gluckman, J. G. Eriksson, F. Yap, P. C. Chen, Y. S. Chong, C. Y. Chen and S. Y. Chan	2025	Endocrine disrupting chemicals in maternal and umbilical cord plasma and their associations with birthweight in the GUSTO cohort	Environ Health. 2025 Aug 18;24(1):57.	10.1186/s12940-025-01202-6	40826080	ヒト	生殖発生	1	0	コホート研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0303	W. Nelson, D. Y. Liu, Y. Yang, Z. H. Zhong, Y. X. Wang and Y. B. Ding	2020	In utero exposure to persistent and nonpersistent endocrine-disrupting chemicals and anogenital distance. A systematic review of epidemiological studies †	Biol Reprod. 2020 Feb 14;102(2):276-291.	10.1093/biolre/foz200	31621835	ヒト	生殖発生(メタアナリシス)	1	0	メタアナリシス	1	1	1	1	1	1	コホート5本を含む	1
統合_0305	F. Navarro-Lafuente, E. Adoanmel, J. J. Arenas-Gonzalo, M. T. Prieto-Sánchez, M. L. Sánchez-Ferrer, A. Parrado, M. F. Fernández, B. Suarez, A. López-Acosta, A. Sánchez-Guillamón, L. García-Marcos, E. Morales, J. Mendiola and A. M. Torres-Cantero	2022	Maternal urinary concentrations of bisphenol A during pregnancy are associated with global DNA methylation in cord blood of newborns in the "NELA" birth cohort	Sci Total Environ. 2022 Sep 10;838(Pt 4):156540.	10.1016/j.scitotenv.2022.156540	35688234	ヒト	遺伝毒性	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0306	A. Namat, W. Xia, C. Xiong, S. Xu, C. Wu, A. Wang, Y. Li, Y. Wu and J. Li	2021	Association of BPA exposure during pregnancy with risk of preterm birth and changes in gestational age: A meta-analysis and systematic review	Ecotoxicol Environ Saf. 2021 Sep 1;220:112400.	10.1016/j.ecoenv.2021.112400	34116331	ヒト	生殖発生(メタアナリシス)	1	0	メタアナリシス	1	1	1	1	1	1	コホート3本を含む	1
統合_0307	A. Nalbantoğlu, A. Çelikkol, N. Samancı, N. C. Günaydin and B. Nalbantoğlu	2021	Bisphenol A as a risk factor for allergic rhinitis in children	Hum Exp Toxicol. 2021 Mar;40(3):395-402.	10.1177/0960327120958105	32909835	ヒト	免疫	0	1	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0310	V. Mustieles, Y. Zhang, J. Yland, J. M. Braun, P. L. Williams, B. J. Wyllie, J. A. Attaman, J. B. Ford, A. Azevedo, A. M. Calafat, R. Hauser and C. Messerlian	2020	Maternal and paternal preconception exposure to phenols and preterm birth	Environ Int. 2020 Apr;137:105523.	10.1016/j.envint.2020.105523	32120140	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0311	V. Mustieles, A. Rodríguez-Carrillo, F. Vela-Soria, S. C. DCruz, A. David, F. Smeagutova, A. Mundo-López, A. Olivas-Martínez, I. Reina-Pérez, N. Olea, C. Freire, J. P. Arrebola and M. F. Fernández	2022	BDNF as a potential mediator between childhood BPA exposure and behavioral function in adolescent boys from the INMA-Granada cohort	Sci Total Environ. 2022 Jan 10;803:150014.	10.1016/j.scitotenv.2021.150014	34788942	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0312	N. Mozafarián, M. Hashemipour, M. R. Maracy, H. Galehdari and R. Kellshadi	2025	Associations of Urinary Metabolites of Parabens and Bisphenol A with Premature Thelarche Among a Sample of Iranian Girls	J Clin Res Pediatr Endocrinol. 2026 Mar 13;18(1):85-96.	10.4274/jcrpe.galenos.2025.2025-3-22	40793795	ヒト	生殖(思春期発達)	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0313	R. Moreno-Gómez-Toledano, M. Delgado-Marin, S. Sánchez-Esteban, A. Cook-Calvete, S. Ortiz, R. J. Bosch and M. Saura	2023	Combination of Bisphenol A and Its Emergent Substitute Molecules Is Related to Heart Disease and Exerts a Differential Effect on Vascular Endothelium	Int J Mol Sci. 2023 Jul 29;24(15):12188.	10.3390/ijms241512188	37569562	ヒト	心血管	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0314	R. Moreno-Gómez-Toledano, M. Delgado-Marin, A. Cook-Calvete, C. González-Cucharero, N. Alcharani, B. Jiménez-Guairado, I. Hernandez, R. Ramirez-Carracedo, I. Tesoro, L. Botana, S. Sánchez-Esteban, J. Díez-Mata, J. L. Zamorano, R. J. Bosch, C. Zaragoza and M. Saura	2023	New environmental factors related to diabetes risk in humans: Emerging bisphenols used in synthesis of plastics	World J Diabetes. 2023 Aug 15;14(8):1301-1313.	10.4239/wjdv14i8.1301	37664470	ヒト	代謝(メタアナリシス)	0	0	メタアナリシス	1	1	0	1	1	2	BPA代替物質に焦点をあてたメタアナリシスで、BPA単独の評価困難	-

別添-3 文献評価結果 (仮字)

統合No.	著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_0315	R. Moreno-Gómez-Toledano, M. I. Arenas, E. Vélez-Vélez, E. Coli, B. Quiroga, J. Bover and R. J. Bosch	2021	Bisphenol a Exposure and Kidney Diseases: Systematic Review, Meta-Analysis, and NHANES 03-16 Study	Biomolecules. 2021 Jul 16;11(7):1046.	10.3390/biom11071046	34356670	ヒト	腎臓(メタアナリシス)	0	0	メタアナリシス	1	1	1	1	1	1	コホート3本を含む	-
統合_0316	R. Moreno-Gómez-Toledano	2022	Relationship between emergent BPA-substitutes and renal and cardiovascular diseases in adult population	Environ Pollut. 2022 Nov 15;313:120106.	10.1016/j.envpo.1.2022.120106	36084738	ヒト	心血管	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0318	S. Moon, S. H. Yu, C. B. Lee, Y. J. Park, H. J. Yoo and D. S. Kim	2021	Effects of bisphenol A on cardiovascular disease: An epidemiological study using National Health and Nutrition Examination Survey 2003-2016 and meta-analysis	Sci Total Environ. 2021 Apr 1;763:142941.	10.1016/j.scitotenv.2020.142941	33158523	ヒト	心血管(メタアナリシス)	0	0	メタアナリシス	1	1	1	1	1	1	NHANES 2003-2016の解析(横断)と、コホート4本を含むメタ解析。	-
統合_0321	P. Montazeri, S. Fossati, C. Warembourg, M. Casas, D. B. P. Clemente, R. Garcia-Esteban, T. S. Nawrot and M. Vrijheid	2022	Prenatal exposure to phthalates and phenols and preclinical vascular health during early adolescence	Int J Hyg Environ Health. 2022 Mar;240:113909.	10.1016/j.ijheh.2021.113909	34952328	ヒト	心血管	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0326	L. Minguez-Alarcon, A. Ballavia, A. J. Gaskins, J. E. Chaverra, J. B. Ford, I. Souter, A. M. Calafat, R. Hauser and P. L. Williams	2021	Paternal mixtures of urinary concentrations of phthalate metabolites, bisphenol A and parabens in relation to pregnancy outcomes among couples attending a fertility center	Environ Int. 2021 Jan;146:106171.	10.1016/j.envint.2020.106171	33069985	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	BPAは混合内の一部として評価しており、BPA単独の評価は限定的	1
統合_0328	R. L. Miller, Y. Wang, J. Aalborg, A. N. Alshawabkeh, D. H. Bennett, C. V. Breton, J. P. Buckley, D. Dabelea, A. L. Dunlop, A. Ferrara, G. Gao, A. Gaylord, D. R. Gold, T. Hartert, I. Hertz-Picciotto, L. A. Hoepner, M. Karagas, C. J. Karr, R. S. Kelly, C. Khatchikian, M. Liu, J. D. Meeker, T. G. O'Connor, A. K. Peterson, S. Sathyanarayana, J. Sordillo, L. Trasande, S. T. Weiss and Y. Zhu	2025	Prenatal exposure to environmental bisphenols over time and their association with childhood asthma, allergic rhinitis and atopic dermatitis in the ECHO consortium	Environ Pollut. 2025 Feb 1;366:125415.	10.1016/j.envpo.1.2024.125415	39615574	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_0333	H. Meng, Y. Zhou and Y. Jiang	2020	Association of bisphenol A with puberty timing: a meta-analysis	Rev Environ Health. 2020 Dec 14;aheadofprint(aheadofprint).459-466.	10.1515/revheh-2020-0091	34651495	ヒト	生殖(思春期発達)(メタアナリシス)	1	0	メタアナリシス	1	1	1	1	1	1	コホート6本を含む	1
統合_0334	A. Mehlisen, L. Hallund, H. Boye, H. Frederiksen, A. M. Andersson, S. Bruun, S. Husby, T. K. Jensen and C. A. G. Timmermann	2022	Pregnancy exposure to bisphenol A and duration of breastfeeding	Environ Res. 2022 Apr 15;206:112471.	10.1016/j.envres.2021.112471	34861228	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0338	C. F. McCabe, V. Padmanabhan, D. C. Dolinoy, S. E. Domino, T. R. Jones, K. M. Bakulski and J. M. Goodrich	2020	Maternal environmental exposure to bisphenols and epigenome-wide DNA methylation in infant cord blood	Environ Epigenet. 2020 Dec 23;6(1):dva0021.	10.1093/ep/ dvaa021	33391824	ヒト	遺伝毒性	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0339	C. F. McCabe, J. M. Goodrich, K. M. Bakulski, S. E. Domino, T. R. Jones, J. Colacino, D. C. Dolinoy and V. Padmanabhan	2023	Probing prenatal bisphenol exposures and tissue-specific DNA methylation responses in cord blood, cord tissue, and placenta	Reprod Toxicol. 2023 Jan;115:74-84.	10.1016/j.reprotox.2022.11.005	36473650	ヒト	遺伝毒性	0	0	コホート研究	1	1	1	0	1	2	Pilot studyで健康影響との関連性を評価しようとする目的ではない	-
統合_0343	M. Martinez, M. Marques, A. Salas-Huetos, N. Babio, J. L. Domingo and J. Salas-Salvado	2023	Lack of association between endocrine disrupting chemicals and male fertility: A systematic review and meta-analysis	Environ Res. 2023 Jan 15;217:114942.	10.1016/j.envres.2022.114942	36436552	ヒト	精子(メタアナリシス)	1	0	メタアナリシス	1	1	1	1	1	1	メタアナリシス(BPAは4本、デザインは不明)	1
統合_0345	D. Martin-Way, I. Puche-Sanz, J. M. Cozar, A. Zafra-Gomez, M. D. C. Gomez-Regalado, C. M. Morales-Alvarez, A. F. Hernandez, L. J. Martinez-Gonzalez and M. J. Alvarez-Cubero	2022	Genetic variants of antioxidant enzymes and environmental exposures as molecular biomarkers associated with the risk and aggressiveness of bladder cancer	Sci Total Environ. 2022 Oct 15;843:156965.	10.1016/j.scitotenv.2022.156965	35764155	ヒト	発がん	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0351	V. Magalhães, M. Severo, S. A. Costa, D. Correia, C. Carvalho, D. Torres, S. Casal, S. Cunha and C. Lopes	2024	Bisphenol A and cardiometabolic risk in adolescents: Data from the Generation XXI cohort	Nutr Metab Cardiovasc Dis. 2024 Apr;34(4):1088-1096.	10.1016/j.numecd.2024.01.007	38403484	ヒト	代謝	0	0	コホート研究	1	1	0	1	1	2	曝露とアウトカム評価時期が一様。	-
統合_0357	L. Luo, C. Gao, Y. J. Fan, T. Zhuang, Y. Li, C. A. Li, J. Lv, Z. W. Hu, L. Tao, R. Gibson, H. Wang, D. X. Xu and Y. Huang	2025	Perinatal Bisphenol Exposure and Small-for-Gestational-Age Neonates: The Evolving Effect of Replacements Then and Now	Environ Sci Technol. 2025 Apr 1;59(12):5983-5993.	10.1021/acs.est.4c13266	40059834	ヒト	生殖発生	1	0	コホート研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0362	N. Loukas, D. Vrachnis, N. Antonakopoulos, V. Pergialiotis, A. Mina, I. Papoutsis, C. Iavazzo, A. Fotiou, S. Stavros, G. Valsamakis, N. Vlachadis, G. Maroudias, G. Mastorakos, Z. Iliodromiti, P. Drakakis and N. Vrachnis	2023	Prenatal Exposure to Bisphenol A: Is There an Association between Bisphenol A in Second Trimester Amniotic Fluid and Fetal Growth?	Medicina (Kaunas). 2023 May 4;59(5):882.	10.3390/medicina59050882	37241114	ヒト	遺伝毒性	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0368	X. Liu, L. Wang, X. Liu, P. Yu, Y. Diao, T. Chen, Y. Sheng, D. Zhang, D. Peng, Y. Guo, S. Li and R. Xu	2025	Microplastics, plastics, and their products exposures and cancer: a pooled analysis	Int J Surg. 2025 Aug 1;111(8):5593-5605.	10.1097/j.s9.0000000000002631	40540244	ヒト	発がん(メタアナリシス)	0	0	メタアナリシス	1	1	1	1	1	1	コホート2本を含む	-
統合_0369	J. Liu, M. Tian, H. Qin, D. Chen, S. M. Mzava, X. Wang and F. M. Bigambo	2024	Maternal bisphenols exposure and thyroid function in children: a systematic review and meta-analysis	Front Endocrinol (Lausanne). 2024 Jul 1;15:1420540.	10.3389/fendo.2024.1420540	39010904	ヒト	甲状腺(メタアナリシス)	0	0	メタアナリシス	1	1	1	1	1	1	コホート11本を含む	-
統合_0370	J. Liu, L. J. Martin, I. Dinu, C. J. Field, D. Dewey and J. W. Martin	2021	Interaction of prenatal bisphenols, maternal nutrients, and toxic metal exposures on neurodevelopment of 2-year-olds in the APiON cohort	Environ Int. 2021 Oct;155:106601.	10.1016/j.envint.2021.106601	33962233	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0376	B. Liu, X. Lu, A. Jiang, Y. Lv, H. Zhang and B. Xu	2024	Influence of maternal endocrine disrupting chemicals exposure on adverse pregnancy outcomes: A systematic review and meta-analysis	Ecotoxicol Environ Saf. 2024 Jan 15;270:115851.	10.1016/j.ecoenv.2023.115851	38157800	ヒト	生殖発生(メタアナリシス)	1	0	システマティックレビュー・メタアナリシス	1	1	1	1	1	1	コホート6本(早産)、4本(SGA)を含む	1
統合_0383	S. L. Liao, L. C. Chen, M. H. Tsai, M. C. Hsu, T. C. Yao, K. W. Su, K. W. Yeh, C. Y. Chiu, S. H. Lai and J. L. Huang	2020	Prenatal exposure to bisphenol - A is associated with dysregulated perinatal innate cytokine response and elevated cord IgE level: A population-based birth cohort study	Environ Res. 2020 Dec;191:101023.	10.1016/j.envres.2020.110123	32905812	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_0386	G. Liao, P. M. Y. Lee, S. Zhao, W. M. Ho, A. T. Lam, M. K. Lee, P. K. M. Poon, S. S. M. Ng, W. Li, Y. He, F. Wang, S. Y. S. Wong, C. F. Ng and L. A. Tse	2021	Joint effect between bisphenol A and alcohol consumption on benign prostatic hyperplasia: A case-control study in Hong Kong Chinese males	Prostate. 2021 Nov;81(15):1214-1224.	10.1002/pros.24217	34464465	ヒト	前立腺	1	0	症例対照研究	1	1	1	1	1	3	BPA曝露評価は質問票であるがvalidationされている 時間的関連性は担保されている	-

別添-3 文献評価結果 (仮字)

統合No.	著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_0387	X. Liang, S. Grill, X. Shen, P. L. Williams, T. James-Todd, J. B. Ford, K. M. Rexrode, A. M. Calafat, J. E. Chavarro, R. Hauser and L. Minguez-Alarcón	2025	Pregnancy urinary phenol biomarker concentrations in relation to serum levels of inflammatory cytokines: Results from the EARTH study	Environ Int. 2025 Aug;202:109652.	10.1016/j.envint.2025.109652	40609512	ヒト	免疫	0	1	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0388	J. Liang, C. Yang, T. Liu, P. Tang, H. Huang, H. Wei, Q. Liao, J. Long, X. Zeng, S. Liu, D. Huang and X. Qiu	2022	Single and mixed effects of prenatal exposure to multiple bisphenols on hemoglobin levels and the risk of anemia in pregnant women	Environ Res. 2022 May 1;207:112625.	10.1016/j.envres.2021.112625	34973942	ヒト	心血管	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0389	J. Liang, C. Yang, T. Liu, H. J. J. Tan, Y. Sheng, L. Wei, P. Tang, H. Huang, X. Zeng, S. Liu, D. Huang and X. Qiu	2021	Prenatal exposure to bisphenols and risk of preterm birth: Findings from Guangxi Zhuang birth cohort in China	Ecotoxicol Environ Saf. 2021 Nov 12;228:112960.	10.1016/j.ecoenv.2021.112960	34781130	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0390	J. Liang, Y. Shao, D. Huang, C. Yang, T. Liu, X. Zeng, C. Li, Z. Tang, J. T. H. Juan, Y. Song, S. Liu and X. Qiu	2023	Effects of prenatal exposure to bisphenols on newborn leucocyte telomere length: a prospective birth cohort study in China	Environ Sci Pollut Res Int. 2023 Feb;30(10):25013-25023.	10.1007/s11356-021-14496-z	34031828	ヒト	その他(テロメア長)	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0391	J. Liang, L. Pang, C. Yang, J. Long, Q. Liao, P. Tang, H. Huang, H. Wei, Q. Chen, K. Yang, T. Liu, F. Lv, S. Liu, D. Huang and X. Qiu	2023	Effects of prenatal single and mixed bisphenol exposure on bone mineral density in preschool children: A population-based prospective cohort study	Ecotoxical Environ Saf. 2023 Nov 15;267:115665.	10.1016/j.ecoenv.2023.115665	37951091	ヒト	骨	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0392	J. Liang, S. Liu, T. Liu, C. Yang, Y. Wu, H. J. Jennifer Tan, B. Wei, X. Ma, B. Feng, Q. Jiang, D. Huang and X. Qiu	2020	Association of prenatal exposure to bisphenols and birth size in Zhuang ethnic newborns	Chemosphere. 2020 Aug;252:126422.	10.1016/j.chemosphere.2020.126422	32199162	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0398	X. N. Li, D. Wu, Y. Liu, S. S. Zhang, F. L. Tian, Q. Sun, W. Wei, X. Cao and L. H. Jia	2021	Prenatal exposure to bisphenols, immune responses in cord blood and infantile eczema: A nested prospective cohort study in China	Ecotoxical Environ Saf. 2021 Nov 13;228:112987.	10.1016/j.ecoenv.2021.112987	34781129	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	6.12か月後の乳児失神をアウトカムにした分析が評価対象	1
統合_0400	X. Li, Q. Chen, D. Wu, Z. Xiao, C. Shi, Y. Dong and L. Jia	2024	High Levels of BPA and BPF Exposure during Pregnancy Are Associated with Lower Birth Weight in Shenyang in Northeast China	Chem Res Toxicol. 2024 Jul 15;37(7):1199-1209.	10.1021/acs.chemrestox.4c00145	38953537	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0401	S. Li, H. Zhu, C. Yang, C. Wang, J. Liu, L. Jin, Z. Li, A. Ren and L. Wang	2024	Prenatal co-exposure to phthalate metabolites and bisphenols among non-syndromic cleft lip and/or palate in offspring	Environ Pollut. 2024 Dec 1;362:125001.	10.1016/j.envpo.2024.125001	39322108	ヒト	生殖発生	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0404	R. Li, S. Yang, R. Gao, Y. Deng, J. Liu, C. Yuan, Q. Yao, X. Lv, K. Wang, X. Ye, B. Peng, J. Hu and A. Chen	2020	RELATIONSHIP BETWEEN THE ENVIRONMENTAL ENDOCRINE DISRUPTOR BISPHENOL A AND DYSLIPIDEMIA: A FIVE-YEAR PROSPECTIVE STUDY	Endocr Pract. 2020 Apr;26(4):399-406.	10.4158/ep-2019-0384	31968191	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0411	J. Li, W. Zhang, H. Zhao, Y. Zhou, S. Xu, Y. Li, W. Xia and Z. Cai	2020	Trimester-specific, gender-specific, and low-dose effects associated with non-monotonic relationships of bisphenol A on estrone, 17β-estradiol and estril	Environ Int. 2020 Jan;134:105304.	10.1016/j.envint.2019.105304	31726358	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0413	J. Li, Z. Ji, X. Luo, Y. Li, P. Yuan, J. Long, N. Shen, Q. Lu, Q. Zeng, R. Zhong, Y. Shen and L. Cheng	2020	Urinary bisphenol A and its interaction with ESR1 genetic polymorphism associated with non-small cell lung cancer: findings from a case-control study in Chinese population	Chemosphere. 2020 Sep;254:126835.	10.1016/j.chemosphere.2020.126835	32348927	ヒト	発がん	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0414	F. Li, F. Yang, D. K. Li, Y. Tian, M. Miao, Y. Zhang, H. Ji, W. Yuan and H. Liang	2020	Prenatal bisphenol A exposure, fetal thyroid hormones and neurobehavioral development in children at 2 and 4 years: A prospective cohort study	Sci Total Environ. 2020 Jun 20;722:137887.	10.1016/j.scitotenv.2020.137887	32197165	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0416	C. Li, M. Cao, T. Qi, X. Ye, L. Ma, W. Pan, J. Luo, P. Chen, J. Liu and J. Zhou	2021	The association of bisphenol A exposure with premature ovarian insufficiency: a case-control study	Climacteric. 2021 Feb;24(1):95-100.	10.1080/13697137.2020.1781078	32668991	ヒト	卵巣	1	0	症例対照研究	1	1	0	1	1	2	登録時の尿、premature ovarian insufficiency診断時の血清からアウトカム分析	-
統合_0419	S. Lee, S. K. Park, H. Park, W. Lee, J. H. Lee, Y. C. Hong, M. Ha, Y. Kim, B. E. Lee and E. Ha	2021	Joint association of prenatal bisphenol-A and phthalates exposure with risk of atopic dermatitis in 6-month-old infants	Sci Total Environ. 2021 Oct 1;789:147953.	10.1016/j.scitotenv.2021.147953	34323845	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_0421	S. Lee, C. Karvonen-Gutierrez, B. Mukherjee, W. H. Herman, S. D. Harlow and S. K. Park	2021	Urinary concentrations of phenols and parabens and incident diabetes in midlife women: The Study of Women's Health Across the Nation	Environ Epidemiol. 2021 Oct 1;5(5):e171.	10.1097/ee9.000000000000171	34934892	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0422	S. Lee, Y. C. Hong, H. Park, Y. Kim, M. Ha and E. Ha	2020	Combined effects of multiple prenatal exposure to pollutants on birth weight: The Mothers and Children's Environmental Health (MCOEH) study	Environ Res. 2020 Feb;181:108832.	10.1016/j.envres.2019.108832	31810591	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	混合曝露評価が主でBPAはSPCA/elastic netで弱いあるいはPEと共通暴露と共通として除外されており、BPA単独のリスク評価は限定的。	1
統合_0426	H. J. Lee, Y. J. Lee, Y. H. Lim, H. Y. Kim, B. N. Kim, J. I. Kim, Y. M. Cho, Y. C. Hong, C. H. Shin and Y. A. Lee	2024	Relationship of bisphenol A substitutes bisphenol F and bisphenol S with adiponectin/leptin ratio among children from the environment and development of children cohort	Environ Int. 2024 Mar;185:108564.	10.1016/j.envint.2024.108564	38467088	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	6・8歳の尿中BPA/BPS/BPFと肥満やアディポカイン。主に横断だが、6歳BPA→8歳アウトカムの縦断解析も実施。	-
統合_0429	M. E. Lebacqzier de la Riviere, M. Bousquet, E. Tavernier, V. Maillard, A. Desmarchais, S. Uzbekova, F. Guérif, A. Binet and S. Elis	2025	Effects of Bisphenols on the Assisted Reproductive Technology Outcomes Considering the Patient Clinical Parameters	J Endocr Soc. 2025 Apr 15;9(6):bva066.	10.1210/endo.2025.114104	40321171	ヒト	卵巣	1	0	コホート研究	1	1	0	1	1	2	BPA単独での評価はされていない	-
統合_0430	J. Leader, L. Minguez-Alarcón, P. L. Williams, J. B. Ford, R. Dadd, O. Chagnon, E. Oken, A. M. Calafat, R. Hauser and J. M. Braun	2024	Associations of parental preconception and maternal pregnancy urinary phthalate biomarker and bisphenol-a concentrations with child eating behaviors	Int J Hyg Environ Health. 2024 Apr;257:114334.	10.1016/j.ijheh.2024.114334	38350281	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0431	J. Leader, L. Minguez-Alarcón, P. L. Williams, J. B. Ford, R. Dadd, O. Chagnon, D. C. Bellinger, E. Oken, A. M. Calafat, R. Hauser and J. M. Braun	2024	Paternal and maternal preconception and maternal pregnancy urinary phthalate metabolite and BPA concentrations in relation to child behavior	Environ Int. 2024 Jan;183:108337.	10.1016/j.envint.2023.108337	38088019	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0436	S. A. Kullberg, L. M. Voller and A. B. Neeley	2020	Chronic Actinic Dermatitis After Occupational Sensitization to the Epoxy Resin, Bisphenol	Dermatitis. 2020 Jul/Aug;31(4):e25-e26.	10.1097/der.0000000000000596	32665513	ヒト	その他	0	0	症例報告	1	1	-	-	-	適格性基準 不適合	-	-
統合_0437	J. R. Kuiper, S. Pan, B. P. Lanphear, A. M. Calafat, A. Chen, K. M. Cecil, Y. Xu, K. Yoltan, H. J. Kalkwarf, J. M. Braun and J. P. Buckley	2023	Associations of maternal gestational urinary environmental phenols concentrations with bone mineral density among 12-year-old children in the HOME Study	Int J Hyg Environ Health. 2023 Mar;248:114104.	10.1016/j.ijheh.2022.114104	36525700	ヒト	骨	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0439	M. Koushi, A. H. Doustimotlagh, N. Amir-Dashatan, M. Farahani, H. Chiti, R. Vanda and S. Aramesh	2024	Impact of bisphenol A exposure on the risk of gestational diabetes: a meta-analysis of observational studies	J Diabetes Metab Disord. 2024 Sep 2;23(2):2173-2182.	10.1007/s40200-024-01485-5	39610499	ヒト	生殖発生(メタアナリシス)	1	0	メタアナリシス	1	1	1	1	1	1	コホート7本を含む	1

別添-3 文献評価結果 (疫学)

統合No.		著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_0443		M. D. Komarowska, K. Grubczak, J. Czerniecki, A. Hermanowicz, J. M. Hermanowicz, W. Debek and E. Matuszczak	2021	Identification of the Bisphenol A (BPA) and the Two Analogues BPS and BPF in Cryptorchidism	Front Endocrinol (Lausanne). 2021 Jul 14;12:694669.	10.3389/fendo.2021.694669	34335471	ヒト	精巣	1	0	症例対照研究	1	1	0	1	1	2	BPAを測定した血液は手術入院時に採取	-
統合_0444		M. Komarowska, R. Chrzanowski, M. Tylicka, R. Rutkowski, Z. Mariak, B. Zelazowska-Rutkowska, T. Lyson and A. Hermanowicz	2022	Plasma concentration of Bisphenol A and leptin in patients with meningioma and glioma: A pilot study	Adv Med Sci. 2022 Sep;67(2):229-233.	10.1016/j.advm.s.2022.04.002	35594764	ヒト	発がん	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0448		S. Kim, E. Park, E. K. Park, S. Lee, J. A. Kwon, B. H. Shin, S. Kang, E. Y. Park and B. Kim	2021	Urinary Concentrations of Bisphenol Mixtures during Pregnancy and Birth Outcomes: The MAKE Study	Int J Environ Res Public Health. 2021 Sep 26;19(19):10098.	10.3390/ijerph181910098	34639400	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0453		K. Y. Kim, E. Lee and Y. Kim	2019	The Association between Bisphenol A Exposure and Obesity in Children-A Systematic Review with Meta-Analysis	Int J Environ Res Public Health. 2019 Jul 15;16(14):2521.	10.3390/ijerph16142521	31311074	ヒト	代謝(メタアナリシス)	0	0	メタアナリシス	1	1	1	1	1	1	コホート3本を含む	-
統合_0454		K. Kim, H. M. Shin, S. A. Busgang, D. B. Barr, P. Panuwet, R. J. Schmidt, I. Hertz-Picciotto and O. H. Bennett	2021	Temporal Trends of Phenol, Paraben, and Triclocarban Exposure in California Pregnant Women during 2007-2014	Environ Sci Technol. 2021 Aug 17;55(16):11155-11165.	10.1021/acs.est.1c01564	34347462	ヒト	発達神経	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	曝露だけの経年変化	-
統合_0455		J. I. Kim, Y. A. Lee, C. H. Shin, Y. C. Hong, B. N. Kim and Y. H. Lim	2022	Association of bisphenol A, bisphenol F, and bisphenol S with ADHD symptoms in children	Environ Int. 2022 Mar;161:107093.	10.1016/j.envint.2022.107093	35077929	ヒト	発達神経	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	the associations were investigated cross-sectionally in childhood.	-
統合_0456		J. H. Kim, H. S. Shin and W. H. Lee	2021	Impact of Endocrine-Disrupting Chemicals in Breast Milk on Postpartum Depression in Korean Mothers	Int J Environ Res Public Health. 2021 Apr 22;18(9):4444.	10.3390/ijerph18094444	33922135	ヒト	神経(産後うつ)	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0457		J. H. Kim, N. Moon, E. Ji and H. B. Moon	2023	Effects of postnatal exposure to phthalate, bisphenol a, triclosan, parabens, and per- and poly-fluoroalkyl substances on maternal postpartum depression and infant neurodevelopment: a korean mother-infant pair cohort study	Environ Sci Pollut Res Int. 2023 Sep;30(42):96384-96399.	10.1007/s11356-023-29292-0	37572253	ヒト	神経(産後うつ)	0	0	コホート研究	1	1	1	1	1	1	母乳中BPAと産後うつとの関連性は横断?	-
統合_0458		J. H. Kim, N. Moon, S. J. Heo, Y. W. Jeong and D. R. Kang	2024	Repeated measurements and mixture effects of urinary bisphenols, parabens, polycyclic aromatic hydrocarbons, and other chemicals on biomarkers of oxidative stress in pre- and postpartum women	Environ Pollut. 2024 Feb 1;342:123057.	10.1016/j.envpo.1.2023.123057	38043769	ヒト	その他(酸化ストレス)	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	繰り返し測定(横断分析)	-
統合_0461		J. H. Kim, Y. H. Cho and Y. C. Hong	2020	MicroRNA expression in response to bisphenol A is associated with high blood pressure	Environ Int. 2020 Aug;141:105791.	10.1016/j.envint.2020.105791	32438192	ヒト	心血管	0	0	介入研究	1	1	1	1	1	1	-	-
統合_0465		D. Khodasevich, N. Holland, K. G. Harley, B. Eskenazi, L. F. Barcellos and A. Cardenas	2024	Prenatal exposure to environmental phenols and phthalates and altered patterns of DNA methylation in childhood	Environ Int. 2024 Aug;190:108862.	10.1016/j.envint.2024.108862	38972116	ヒト	遺伝毒性	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0467		R. Keshavarz-Maleki, A. Kaviani, R. Omranipour, M. Gholami, M. R. Khoshayand, S. N. Ostad and O. Sabzevari	2021	Bisphenol-A in biological samples of breast cancer mastectomy and mammooplasty patients and correlation with levels measured in urine and tissue	Sci Rep. 2021 Sep 16;11(1):18411.	10.1038/s41598-021-97864-6	34531470	ヒト	発がん	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0468		H. Kaya Ozden and A. S. Karadag	2021	Could endocrine disruptors be a new player for acne pathogenesis? The effect of bisphenol A on the formation and severity of acne vulgaris: A prospective, case-controlled study	J Cosmet Dermatol. 2021 Nov;20(11):3573-3579.	10.1111/jocd.14364	34379355	ヒト	皮膚	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0472		T. Karamass, C. Sol, K. Kannan, L. Trasande, V. Jaddoe and L. Duijts	2023	Bisphenol and phthalate exposure during pregnancy and the development of childhood lung function and asthma: The Generation R Study	Environ Pollut. 2023 Sep 1;332:121853.	10.1016/j.envpo.1.2023.121853	37247769	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_0477		G. Kallos, G. A. Wallenius, L. McCandless, A. M. Calafat, A. Sjodin, M. E. Romano, M. R. Karagas, A. Chen, K. Yolton, B. P. Lanphear and J. M. Braun	2020	Exposures to chemical mixtures during pregnancy and neonatal outcomes: The HOME study	Environ Int. 2020 Jan;134:105219.	10.1016/j.envint.2019.105219	31726361	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	妊娠2時点の尿・血中の化学物質混合曝露と新生児アウトカム。混合曝露研究でk-meansクラスター(3群)、PCA(6成分)での評価を実施しており、BPA単独のリスク評価は限定的。	1
統合_0478		J. Jurewicz, J. Majewska, A. Berg, K. Owczarek, R. Zajdel, D. Kaleta, A. Wasik and D. Rachon	2021	Serum bisphenol A analogues in women diagnosed with the polycystic ovary syndrome - is there an association?	Environ Pollut. 2021 Mar 1;272:115962.	10.1016/j.envpo.1.2020.115962	33223334	ヒト	卵巣(システマティックレビュー)	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0480		M. K. Jung, H. S. Choi, J. Suh, A. Kwon, H. W. Chae, W. J. Lee, E. G. Yoo and H. S. Kim	2019	The analysis of endocrine disruptors in patients with central precocious puberty	BMC Pediatr. 2019 Sep 7;19(1):323.	10.1186/s12887-019-1703-4	31493798	ヒト	生殖(思春期発達)	1	0	症例対照研究	1	1	0	1	0	2	時間的関連性が担保できない、非調整群間比較のみ。	-
統合_0481		H. Jin, J. Xie, L. Mao, M. Zhao, X. Bai, J. Wen, T. Shen and P. Wu	2020	Bisphenol analogue concentrations in human breast milk and their associations with postnatal infant growth	Environ Pollut. 2020 Apr;259:113779.	10.1016/j.envpo.1.2019.113779	31887597	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	出産1週間以内の母乳中BPsと、平均5.3ヶ月までの成長(時間順序は前向き解析ありと判断)	1
統合_0482		Y. Jiang, J. Li, S. Xu, Y. Zhou, H. Zhao, Y. Li, C. Xiong, X. Sun, H. Liu, W. Liu, Y. Peng, C. Hu, Z. Cai and W. Xia	2020	Prenatal exposure to bisphenol A and its alternatives and child neurodevelopment at 2 years	J Hazard Mater. 2020 Apr 15;388:121774.	10.1016/j.jhazmat.2019.121774	32001102	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0483		W. Jiang, Y. Huang, H. Jin, Y. Gan, Q. Zhang, X. He, Y. Tian, J. Zhang and C. The Shanghai Birth Cohort	2025	A prospective exposome-based gene-environment interaction study on the effects of prenatal environmental exposure on fetal growth in the Shanghai Birth Cohort	Environ Health Perspect. 2025 May 20.	10.1289/ehp15902	40392608	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	妊娠期エクスポーズおよびT2D遺伝リスクと胎児発育。混合曝露研究でBPA単独の評価は限定的	1
統合_0485		S. Jiang, G. Yang, S. Zhou, X. Zhang, C. Peng and Q. Lu	2021	Bisphenol A, S, and F exposure, ESRI/2, CAT, and eNOS genetic polymorphisms, and the risk of hypertension	Ecotoxicol Environ Saf. 2021 Nov;224:112684.	10.1016/j.ecoenv.2021.112684	34438265	ヒト	心血管	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0496		P. Jedynak, L. Maitre, M. Guxens, K. B. G. Utzkow, J. Julvez, M. López-Vicente, J. Sunyer, M. Casas, L. Chatzi, R. Gražulevičienė, M. Kampouri, R. McEachan, M. Mon-Williams, I. Tamayo, C. Thomsen, J. Urquiza, M. Vafeiadi, J. Wright, X. Basagaña, M. Vrijheid and C. Philippat		Prenatal exposure to a wide range of environmental chemicals and child behaviour between 3 and 7 years of age - An exposome-based approach in 5 European cohorts	Sci Total Environ. 2021 Apr 1;763:144115.	10.1016/j.scitotenv.2020.144115	33422710	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0497		Y. Jang, Y. J. Choi, Y. H. Lim, K. S. Lee, B. N. Kim, C. H. Shin, Y. A. Lee, J. I. Kim and Y. C. Hong	2021	Associations Between Thyroid Hormone Levels and Urinary Concentrations of Bisphenol A, F, and S in 6-Year-old Children in Korea	J Prev Med Public Health. 2021 Jan;54(1):37-45.	10.3961/jpmph.20.310	33618498	ヒト	甲状腺	0	0	コホート研究	1	1	1	1	1	1	子どもの尿中BPAを利用した研究は横断	-
統合_0498		M. Janku, S. Kurek, A. Makarowicz-Bukowska, A. Miśkiewicz-Chmielecka, M. Wasiewicz-Gajdzis and J. Walkowiak	2024	No Differences in Urine Bisphenol A Concentrations between Subjects Categorized with Normal Cognitive Function and Mild Cognitive Impairment Based on Montreal Cognitive Assessment Scores	Metabolites. 2024 May 8;14(5):271.	10.3390/metab14050271	38786748	ヒト	発達神経	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-

別添-3 文献評価結果 (仮字)

統合No.	著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文獻ランク	コメント	情報抽出 対象文献
統合_0499	P. Jameekornkul, N. Numsriskulrat, S. Aroonyaparkmongkol, K. Soongsang and V. Supornsilchai	2025	Increased maternal urinary bisphenol F levels associated with reduced anogenital distance in male newborns	Pediatr Int. 2025 Jan-Dec;67(1):e70054.	10.1111/ped.70054	40277154	ヒト	生殖発生	1	0	コホート研究	1	1	0	1	0	2	時間的関連性を担保できない	-
統合_0500	A. Jamal, N. Rastkari, R. Dehghaniathar, R. N. Nodehi, S. Nasserli, H. Kashani, M. Shamsipour and M. Yunesian	2020	Prenatal urinary concentrations of environmental phenols and birth outcomes in the mother-infant pairs of Tehran Environment and Neurodevelopmental Disorders (TEND) cohort study	Environ Res. 2020 May;184:109331.	10.1016/j.envres.2020.109331	32169736	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0504	M. H. Jacobson, Y. Wu, M. Liu, T. M. Attina, M. Naidu, R. Karthikraj, K. Kannan, B. A. Warady, S. Furth, S. Vento, H. Trachtman and L. Trasande	2020	Serially assessed bisphenol A and phthalate exposure and association with kidney function in children with chronic kidney disease in the US and Canada: A longitudinal cohort study	PLoS Med. 2020 Oct 14;17(10):e1003384.	10.1371/journal.pmed.1003384	33052911	ヒト	腎	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0506	A. Ishfaq, M. A. Nasrullah, I. S. Khan, S. Malik, U. Tareen, M. Anees, A. Sultan and I. Murtaza	2023	A cohort study investigating the role of Bisphenol A in the molecular pathogenesis of breast cancer	J Cancer Res Clin Oncol. 2023 Nov;149(16):14565-14575.	10.1007/s00432-023-05247-3	37580403	ヒト	発がん	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0507	N. Irvine, R. C. Bell, F. B. Subhan, C. J. Field, J. Liu, A. M. MacDonald, D. W. Kinniburgh, J. W. Martin, D. Dewey and G. England-Mason	2024	Maternal pre-pregnancy BMI influences the associations between bisphenol and phthalate exposures and maternal weight changes and fat accumulation	Environ Res. 2024 Sep 15;257:119276.	10.1016/j.envres.2024.119276	38830392	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0513	E. Ibroci, S. W. Thurston, E. S. Barrett, N. R. Bush, R. H. N. Nguyen, S. Sathyanarayana, A. Reichenberg, B. R. Collett, S. H. Swan and S. F. Evans	2022	Prenatal bisphenol A exposure in relation to behavioral outcomes in girls aged 4-5 and modification by socio-demographic factors in The Infant Development and Environment Study (TIDES)	Neurotoxicology. 2022 Jul;91:262-268.	10.1016/j.neuro.2022.05.018	35661784	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0516	Z. Huang, W. Fu, L. Dou, H. Bao, W. Wu, P. Su, K. Huang, P. Zhu, J. Sheng, Y. Xu, F. Tao and J. Hao	2022	Prenatal Bisphenol A Exposure and Early Childhood Behavior and Cognitive Function: A Chinese Birth Cohort Study	Neuroendocrinology. 2022;112(4):311-323.	10.1159/000516881	33910209	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0517	Y. S. Huang, P. L. Hung, L. J. Wang, C. M. Tsai, C. K. Tsai, M. M. Tiao and H. R. Yu	2024	Distinct Impacts of Prenatal and Postnatal Phthalate Exposure on Behavioral and Emotional Development in Children Aged 1.5 to 3 Years	Toxics. 2024 Oct 31;12(11):795.	10.3390/toxics12110795	39590974	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	子どもの原中BPAを利用した研究は横断	-
統合_0519	Y. F. Huang, C. H. Chang, P. J. Chen, L. H. Lin, Y. A. Tsai, C. F. Chen, Y. C. Wang, W. Y. Huang, M. S. Tsai and M. L. Chen	2021	Prenatal Bisphenol a Exposure, DNA Methylation, and Low Birth Weight: A Pilot Study in Taiwan	Int J Environ Res Public Health. 2021 Jun 7;18(11):6144.	10.3390/ijerph18116144	34200176	ヒト	遺伝毒性	0	0	コホート研究	1	1	1	1	1	3	Pilot study	-
統合_0521	S. Huang, Z. Li, C. Wu, X. Zhao, J. Xiong, W. Xiao, H. Su, R. Zheng, Z. Xu, Q. Su, X. Lu, Q. Wang and Z. Su	2025	Divergent effects of EDCs on bone maturation: Role of body mass index and puberty	Ecotoxicol Environ Saf. 2025 Sep 1;302:118525.	10.1016/j.ecoenv.2025.118525	40554108	ヒト	骨	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0522	H. Huang, J. Liang, P. Tang, C. Yu, H. Fan, Q. Liao, J. Long, D. Pan, X. Zeng, S. Liu, D. Huang and X. Qiu	2022	Associations of bisphenol exposure with thyroid hormones in pregnant women: a prospective birth cohort study in China	Environ Sci Pollut Res Int. 2022 Dec;29(68):87170-87183.	10.1007/s11356-022-21817-3	35802331	ヒト	甲状腺	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0527	L. Hu, H. Mei, H. Feng, Y. Huang, X. Cai, F. Xiang, L. Chen and H. Xiao	2023	Exposure to bisphenols, parabens and phthalates during pregnancy and postpartum anxiety and depression symptoms: Evidence from women with twin pregnancies	Environ Res. 2023 Mar 15;221:115248.	10.1016/j.envres.2023.115248	36623682	ヒト	神経(産後うつ)	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0528	J. Hu, H. Zhao, J. M. Braun, T. Zheng, B. Zhang, W. Xia, W. Zhang, J. Li, Y. Zhou, H. Li, J. Li, A. Zhou, Y. Zhang, S. L. Baka, S. Liu, Y. Peng, C. Wu, M. Jiang, W. Huo, Y. Zhu, K. Shi, Y. Li, Z. Cai and S. Xu	2019	Associations of Trimester-Specific Exposure to Bisphenols with Size at Birth: A Chinese Prenatal Cohort Study	Environ Health Perspect. 2019 Oct;127(10):107001.	10.1289/ehp4664	31573832	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0533	X. Hong, G. Wang, X. Liu, M. Wu, X. Zhang, X. Hua, P. Jiang, S. Wang, S. Tang, X. Shi, Y. Huang and T. Shen	2022	Lipidomic biomarkers: Potential mediators of associations between urinary bisphenol A exposure and colorectal cancer	J Hazard Mater. 2022 Apr 5;427:127863.	10.1016/j.jhazmat.2021.127863	34848068	ヒト	発がん	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0535	S. Hong, B. S. Kang, O. Kim, S. Won, H. S. Kim, J. H. Wie, J. E. Shin, S. K. Choi, Y. S. Jo, Y. H. Kim, M. Yang, H. Kang, D. W. Lee, I. Y. Park, J. S. Park and H. S. Ko	2024	The associations between maternal and fetal exposure to endocrine-disrupting chemicals and asymmetric fetal growth restriction: a prospective cohort study	Front Public Health. 2024 Apr 11;12:1351786.	10.3389/fpubh.2024.1351786	38665245	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	妊娠BPAと asymmetric FGR。頭圍/腹圍比(symmetric/asymmetric)の評価は有害転帰の予測指標にならず推奨しないともされていること、症例数が少ないこと(total N=146, asymmetric FGR N=9)が懸念。	1
統合_0536	S. Hong, S. K. Choi, J. H. Wie, J. E. Shin, Y. S. Jo, Y. H. Kim, B. S. Kang, O. Kim, S. Won, H. J. Yoon, H. S. Kim, I. Y. Park, M. Yang and H. S. Ko	2025	Effects of Endocrine Disrupting Chemicals on Fetal Weight: Exposure Monitoring Among Mothers with Gestational Diabetes Mellitus and Their Fetuses	Int J Mol Sci. 2025 Apr 29;26(9):4226.	10.3390/ijms26094226	40362466	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0537	S. A. Holmboe, L. Scheutz Henriksen, H. Frederiksen, A. M. Andersson, L. Priskorn, N. Jørgensen, A. Juul, J. Toppari, N. E. Skakkebaek and K. M. Main	2022	Prenatal exposure to phenols and benzophenones in relation to markers of male reproductive function in adulthood	Front Endocrinol (Lausanne). 2022 Dec 9;13:1071761.	10.3389/fendo.2022.1071761	36568115	ヒト	精巣	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0538	A. Hirke, B. Varghese, S. Varade and R. Adela	2023	Exposure to endocrine-disrupting chemicals and risk of gestational hypertension and preeclampsia: A systematic review and meta-analysis	Environ Pollut. 2023 Jan 15;317:120828.	10.1016/j.envpo.2022.120828	36481468	ヒト	生殖発生(メタアナリシス)	1	0	メタアナリシス	1	1	1	1	1	1	コホート13本を含む	1
統合_0543	L. W. Heinsberg, C. N. N. Bui, J. C. Hartle, S. M. Sereika, C. C. Choy, D. Wang, C. Soti-Ulberg, T. Naseri, M. S. Reupena, R. L. Duckham, J. J. Park, N. L. Hawley and N. C. Deziel	2020	Estimated Dietary Bisphenol-A Exposure and Adiposity in Samoan Mothers and Children	Toxics. 2020 Sep 2;8(3):67.	10.3390/toxics8030067	32887300	ヒト	代謝	0	0	コホート研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0547	G. Hatem, A. M. Faria, M. B. Pinto, J. P. Teixeira, A. Salamova, C. Costa and J. Madureira	2025	Association between exposure to airborne endocrine disrupting chemicals and asthma in children or adolescents: A systematic review and meta-analysis	Environ Pollut. 2025 Mar 15;369:125830.	10.1016/j.envpo.2025.125830	39929430	ヒト	免疫(システマティックレビュー)	0	1	システマティックレビュー・メタアナリシス	1	1	1	1	1	1	コホート3本を含む	1
統合_0552	J. B. Hansen, N. Bilenberg, C. A. G. Timmermann, R. C. Jensen, H. Frederiksen, A. M. Andersson, H. B. Kyhl and T. K. Jensen	2021	Prenatal exposure to bisphenol A and autistic- and ADHD-related symptoms in children aged 2 and 5 years from the Odense Child Cohort	Environ Health. 2021 Mar 12;20(1):24.	10.1186/s12940-021-00709-y	33712018	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0554	D. Ham, M. Ha, H. Park, Y. C. Hong, Y. Kim, E. Ha and S. Bae	2024	Association of postnatal exposure to mixture of bisphenol A, Di-n-butyl phthalate and Di-(2-ethylhexyl) phthalate with Children's IQ at 5 Years of age: Mothers and Children's environmental health (MOCEH) study	Chemosphere. 2024 Jan;347:140626.	10.1016/j.chemosphere.2023.140626	37939933	ヒト	発達神経	0	0	コホート試験	1	1	1	1	1	1	-	-

別添-3 文献評価結果 (疫学)

統合No.		著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	暴露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_0564		J. Guo, J. Zhang, C. Wu, H. Xiao, S. Lv, D. Lu, X. Qi, C. Feng, W. Liang, X. Chang, Y. Zhang, H. Xu, Y. Cao, G. Wang and Z. Zhou	2020	Urinary bisphenol A concentrations and adiposity measures at age 7 years in a prospective birth cohort	Chemosphere. 2020 Jul;251:126340.	10.1016/j.chemosphere.2020.126340	32135373	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0565		J. Guo, C. Wu, J. Zhang, X. Qi, S. Lv, S. Jiang, T. Zhou, D. Lu, C. Feng, X. Chang, Y. Zhang, Y. Cao, G. Wang and Z. Zhou	2020	Prenatal exposure to mixture of heavy metals, pesticides and phenols and IQ in children at 7 years of age: The SMBCS study	Environ Int. 2020 Jun;139:105692.	10.1016/j.envint.2020.105692	32251899	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0566		J. Guo, C. Wu, J. Zhang, W. Li, S. Lv, D. Lu, X. Qi, C. Feng, W. Liang, X. Chang, Y. Zhang, H. Xu, Y. Cao, G. Wang and Z. Zhou	2021	Prenatal exposure to multiple phenolic compounds, fetal reproductive hormones, and the second to fourth digit ratio of children aged 10 years in a prospective birth cohort	Chemosphere. 2021 Jan;263:127877.	10.1016/j.chemosphere.2020.127877	32835969	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0567		J. Guo, C. Wu, J. Zhang, W. Li, S. Lv, D. Lu, X. Qi, C. Feng, W. Liang, X. Chang, Y. Zhang, H. Xu, Y. Cao, G. Wang and Z. Zhou	2020	Maternal and childhood urinary phenol concentrations, neonatal thyroid function, and behavioral problems at 10 years of age: The SMBCS study	Sci Total Environ. 2020 Nov 15;743:140678.	10.1016/j.scitotenv.2020.140678	32653713	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0571		C. Gundacker, K. Graf-Rohrmeister, M. Gencik, M. Hengstschläger, K. Holoman, P. Rosa, R. Kroismayr, I. Offenthaler, V. Plichta, T. Reischer, I. Teufel, W. Raffesberg, S. Scharf, B. Köhler-Vallant, Z. Delissen, S. Weiß and M. Uhl	2021	Gene Variants Determine Placental Transfer of Perfluoroalkyl Substances (PFAS), Mercury (Hg) and Lead (Pb), and Birth Outcome: Findings From the UmUkht Bratislava-Vienna Study	Front Genet. 2021 Jun 16;12:664946.	10.3389/fgene.2021.664946	34220941	ヒト	生殖発生	1	0	コホート研究	1	1	0	1	0	2	母体EDCsの胎盤移行と出生アウトカム、母体血と臍帯血のBPAの検出率が低く、出生アウトカムと解析から除外されている	-
統合_0573		A. Guilbert, M. Rolland, I. Pin, C. Thomsen, A. K. Sakhi, A. Sabaredzovic, R. Slama, K. Guichardet and C. Philippat	2021	Associations between a mixture of phenols and phthalates and child behaviour in a French mother-child cohort with repeated assessment of exposure	Environ Int. 2021 Nov;156:106697.	10.1016/j.envint.2021.106697	34147998	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	BPA単独の影響は付表のみ(本文中には出てこない)	-
統合_0575		M. N. Grohs, J. E. Reynolds, J. Liu, J. W. Martin, T. Pollock, C. Lebel and D. Dewey	2019	Prenatal maternal and childhood bisphenol A exposure and brain structure and behavior of young children	Environ Health. 2019 Oct 15;18(1):85.	10.1186/s12940-019-0528-9	31615514	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0576		V. Gounden, M. Zain Warasally, T. Magwai, R. Naidoo and A. Chuturgoon	2019	A pilot study: Bisphenol-A and Bisphenol-A glucuronide levels in mother and child pairs in a South African population	Reprod Toxicol. 2019 Oct;89:93-99.	10.1016/j.reprotox.2019.07.008	31302198	ヒト	生殖発生	1	0	パイロット研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0577		V. Gounden, M. Z. Warasally, T. Magwai, R. Naidoo and A. Chuturgoon	2021	A pilot study: Relationship between Bisphenol A, Bisphenol A glucuronide and sex steroid hormone levels in cord blood in A South African population	Reprod Toxicol. 2021 Mar;100:83-89.	10.1016/j.reprotox.2021.01.004	33453334	ヒト	性ホルモン	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	pilot study	-
統合_0578		V. Gounden, R. N. Naidoo and A. Chuturgoon	2024	A pilot study: relationship between Bisphenol A, Bisphenol-glucuronide and total 25 hydroxy vitamin D in maternal-child pairs in a South African population	Front Endocrinol (Lausanne). 2024 Nov 28;15:1108969	10.3389/fendo.2024.1108969	39669493	ヒト	その他(ビタミンDレベル)	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	pilot study	-
統合_0579		P. González-Palacios, V. Ramirez, C. Monteagudo, A. Zafra-Gómez and A. Rivas	2025	Bisphenol A exposure and behavioral outcomes in children: A systematic review and meta-analysis of evidence limited to the BASC assessment tool	Neurosci Biobehav Rev. 2025 Sep;176:106274.	10.1016/j.neubiorev.2025.106274	40614948	ヒト	発達神経(メタアナリシス)	0	0	メタアナリシス	1	1	1	1	1	1	コホート10本を含む	-
統合_0583		S. Gómez-Olarte, S. Röder, U. Rolke-Kampczyk, U. Sack, M. von Bergen, M. Borte, A. C. Zenciusan and G. Herberth	2025	Prenatal exposure to mixtures of phthalates and bisphenol A and eczema risk findings in atopic and non-atopic children from the LINA birth cohort	Environ Res. 2025 Aug 1;278:121667.	10.1016/j.envres.2025.121667	40274086	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_0585		J. Goedert, L. Yuan, I. Huybrechts, V. Neveu, U. Nöthlings, W. Ahrens, A. Scalbert and A. Fløge	2022	Reproducibility of the Blood and Urine Exposome: A Systematic Literature Review and Meta-Analysis	Cancer Epidemiol Biomarkers Prev. 2022 Sep 2;31(9):1683-1692.	10.1158/1055-9965.Epi-22-0090	35732488	ヒト	ADME(メタアナリシス)	0	0	メタアナリシス	1	1	1	1	1	1	-	-
統合_0587		M. Génard-Walton, G. McGee, P. L. Williams, J. Souter, J. B. Ford, J. E. Chavarro, A. M. Calafat, R. Hauser and L. Minguez-Alarcón	2023	Mixtures of urinary concentrations of phenols and phthalate biomarkers in relation to the ovarian reserve among women attending a fertility clinic	Sci Total Environ. 2023 Nov 10;898:165536.	10.1016/j.scitotenv.2023.165536	37453702	ヒト	卵巣	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	provided one or several urine samples for exposure assessment before (N = 241) or one sample at the same time (N = 30) as the outcome assessment	-
統合_0588		S. D. Geiger, X. Xun, C. Zhang, A. Chandran, K. Madan, G. Kim, F. Naveed, M. Woodbury, D. E. Goin, S. M. Eick, C. K. Blackwell, M. Mansoff, M. Aung, A. Alshawabkeh, D. Dabelea, A. L. Dunlop, A. Ferrara, J. B. Hash, M. Hedderson, E. Jansen, M. LeBourgeois, L. O'Brien, Y. Zhu and S. L. Schantz	2025	Environmental phenol mixture during pregnancy and child sleep quality in the ECHO cohort	Front Pediatr. 2025 Aug 8;13:1533015.	10.3389/fped.2025.1533015	40861048	ヒト	その他(睡眠)	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0589		S. D. Geiger, S. Musaad, J. Hill, A. Aguilar and S. Schantz	2023	Sex-specific associations between urinary bisphenols concentrations during pregnancy and problematic child behaviors at age 2 years	Neurotoxicol Teratol. 2023 Mar-Apr;96:107152.	10.1016/j.ntt.2023.107152	36642394	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0590		A. Gayford, E. S. Barrett, S. Sathyanarayana, S. H. Swan, R. H. N. Nguyen, N. R. Bush, K. Carroll, D. B. Day, K. Kannan and L. Trasande	2023	Prenatal bisphenol A and S exposure and atopic disease phenotypes at age 6	Environ Res. 2023 Jun 1;226:115630.	10.1016/j.envres.2023.115630	36889565	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_0591		M. Gari, R. Moos, D. Bury, M. Kasper-Sonnenberg, A. Jankowska, A. Andysz, W. Hanke, D. Nowak, S. Bose-O'Reilly, H. M. Koch and K. Polanska	2021	Human-Biomonitoring derived exposure and Daily Intakes of Bisphenol A and their associations with neurodevelopmental outcomes among children of the Polish Mother and Child Cohort Study	Environ Health. 2021 Aug 25;20(1):95.	10.1186/s12940-021-00777-0	34433458	ヒト	発達神経	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0593		Y. Gao, L. Bi, A. Li, M. Du, M. Song and G. Jiang	2024	Associations of Bisphenols Exposure and Hyperuricemia Based on Human Investigation and Animal Experiments	Environ Sci Technol. 2024 Mar 26;58(12):5290-5298.	10.1021/acs.est.4c00792	38468128	ヒト	代謝	0	0	コホート研究	1	1	0	1	0	2	時間的関連性を担保できない、非調整解析	-
統合_0598		Y. Gálvez-Ontiveros, I. Moscoso-Ruiz, V. Almazán Fernández de Bobadilla, C. Monteagudo, R. Giménez-Martínez, L. Rodrigo, A. Zafra-Gómez and A. Rivas	2023	Levels of Bisphenol A and its analogs in nails, saliva, and urine of children: a case control study	Front Nutr. 2023 Aug 14;10:1226820.	10.3389/fnut.2023.1226820	37645630	ヒト	代謝	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0599		Y. Gálvez-Ontiveros, C. Monteagudo, M. Giles-Mancilla, J. J. Muro, V. Almazán, M. A. Martínez-Burgos, C. Samaniego-Sánchez, I. Salcedo-Bellido, A. Rivas and A. Zafra-Gómez	2024	Dietary bisphenols exposure as an influencing factor of body mass index	Environ Health. 2024 Oct 29;23(1):93.	10.1186/s12940-024-01134-7	39472930	ヒト	代謝	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-

別添-3 文献評価結果 (疫学)

統合No.		著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_0600		P. Gajjar, Y. Liu, N. Li, J. P. Buckley, A. Chen, B. P. Lanphear, H. J. Kalkwarf, K. M. Cecil, K. Ylton and J. M. Braun	2022	Associations of mid-childhood bisphenol A and bisphenol S exposure with mid-childhood and adolescent obesity	Environ Epidemiol. 2021 Dec 20;6(1):e187.	10.1097/ee9.000000000000187	35169665	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	一部縦断(8-12歳)、一部横断(8-8歳)解析あり	-
統合_0602		X. Fu, J. Xu, R. Zhang and J. Yu	2020	The association between environmental endocrine disruptors and cardiovascular diseases: A systematic review and meta-analysis	Environ Res. 2020 Aug;187:109464.	10.1016/j.envres.2020.109464	32438096	ヒト	心血管(メタアナリシス)	0	0	メタアナリシス	1	1	1	1	1	1	メタアナリシス(BPAは10本、デザインは不明)	-
統合_0603		X. Fu, J. He, D. Zheng, X. Yang, P. Wang, F. Tuo, L. Wang, S. Li, J. Xu and J. Yu	2022	Association of endocrine disrupting chemicals levels in serum, environmental risk factors, and hepatic function among 5- to 14-year-old children	Toxicology. 2022 Jan 15;465:153011.	10.1016/j.tox.2021.153011	34715266	ヒト	肝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0604		J. Fu, Y. Yao, Z. Huang, Z. Guo, X. Chen, X. Tang, Y. Ge, Q. Xiao, Y. Sha and S. Lu	2024	Sex-Specific and Trimester-Specific Associations of Prenatal Exposure to Bisphenols, Parabens, and Triclosan with Neonatal Birth Size and Gestational Age	Environ Sci Technol. 2024 Aug 6;58(31):13687-13696.	10.1021/acs.est.4c04940	39067068	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0605		C. Freire, F. Vela-Soria, A. Benito, M. J. Lopez-Espinosa, J. Ibarluzea, F. B. Barreto, M. Casas, M. Vrijheid, G. Fernandez-Tardon, I. Riaño-Galan and M. F. Fernandez	2020	Association of placental concentrations of phenolic endocrine disrupting chemicals with cognitive functioning in preschool children from the Environment and Childhood (INMA) Project	Int J Hyg Environ Health. 2020 Sep;230:113597.	10.1016/j.ijheh.2020.113597	32795877	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0606		C. Freire, F. Castiello, I. Babarro, A. Anguita-Ruiz, M. Casas, M. Vrijheid, B. Sarzo, A. Benito, M. Kadawathagedara, C. Philippat, C. Thomsen, A. K. Sakhi and M. J. Lopez-Espinosa	2024	Association of prenatal exposure to phthalates and synthetic phenols with pubertal development in three European cohorts	Int J Hyg Environ Health. 2024 Aug;261:114418.	10.1016/j.ijheh.2024.114418	38968838	ヒト	生殖(思春期発達)	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0609		A. B. Foreman, J. V. van Vliet-Ostapchouk, M. van Faassen, I. P. Kema, B. H. Wollenbuttel, P. J. J. Sauer, A. F. Bos and S. A. Berghuis	2023	Urinary concentrations of bisphenols and parabens and their association with attention, hyperactivity and impulsivity at adolescence	Neurotoxicology. 2023 Mar;95:66-74.	10.1016/j.neuro.2023.01.006	36649891	ヒト	発達神経	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0611		R. E. Foong, P. Franklin, F. Sanna, G. L. Hall, P. D. Sly, E. B. Thorstensen, D. A. Doherty, J. A. Keelan and R. J. Hart	2023	Longitudinal effects of prenatal exposure to plastic-derived chemicals and their metabolites on asthma and lung function from childhood into adulthood	Respirology. 2023 Mar;28(3):236-246.	10.1111/resp.14386	36184579	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_0615		B. G. Fisher, A. Thankamony, J. Mendiola, C. J. Petry, H. Frederiksen, A. M. Andersson, A. Juul, K. K. Ong, D. B. Dunger, I. A. Hughes and C. L. Acerini	2020	Maternal serum concentrations of bisphenol A and propyl paraben in early pregnancy are associated with male infant genital development	Hum Reprod. 2020 Apr 28;35(4):913-928.	10.1093/humrep/deaa045	32325494	ヒト	生殖発生	1	0	nested case-control	1	1	1	1	1	1	-	1
統合_0623		I. Erdal, Y. Yıldız, S. S. Yalçın, A. Yürün, G. Demirel and P. Erkekoğlu	2024	Evaluation of Exposure to Bisphenol A, Bisphenol F, and Phthalates in Patients with Phenylketonuria and Its Differences According to Dietary Status	Nutrients. 2024 Sep 23;16(18):3213.	10.3390/nu16183213	39339813	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0624		G. England-Mason, S. M. Merrill, J. Liu, J. W. Martin, A. M. MacDonald, D. W. Kinniburgh, N. Gladish, J. L. MacIsaac, G. F. Giesbrecht, N. Letourneau, M. S. Kober and D. Dewey	2024	Sex-Specific Associations between Prenatal Exposure to Bisphenols and Phthalates and Infant Epigenetic Age Acceleration	Epigenomes. 2024 Aug 10;8(3):31.	10.3390/epigenomes8030031	39189257	ヒト	遺伝毒性	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0625		G. England-Mason, S. M. Merrill, N. Gladish, S. R. Moore, G. F. Giesbrecht, N. Letourneau, J. L. MacIsaac, A. M. MacDonald, D. W. Kinniburgh, A. L. Ponsonby, R. Saffery, J. W. Martin, M. S. Kober and D. Dewey	2022	Prenatal exposure to phthalates and peripheral blood and buccal epithelial DNA methylation in infants: An epigenome-wide association study	Environ Int. 2022 May;163:107183.	10.1016/j.envint.2022.107183	35325772	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0626		G. England-Mason, J. Liu, J. W. Martin, G. F. Giesbrecht, N. Letourneau and D. Dewey	2021	Postnatal BPA is associated with increasing executive function difficulties in preschool children	Pediatr Res. 2021 Feb;89(3):686-693.	10.1038/s41390-020-0922-6	32408341	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0627		R. Elzein, E. Chouery, F. Abdel-Sater, R. Bacho and F. Ayoub	2021	Molar-incisor hypomineralisation in Lebanon: association with prenatal, natal and postnatal factors	Eur Arch Paediatr Dent. 2021 Apr;22(2):283-290.	10.1007/s40368-020-00555-5	32889651	ヒト	その他(エナメル質形成)	0	0	症例対照研究	1	1	0	1	1	2	缶詰の食品や飲料の摂取	-
統合_0628		B. Elsiwli, S. Bayen, Z. H. Chi, C. G. Goodyer, B. F. Hales, B. Robaire, R. Borman, M. Obida, E. E. M. Moodie and J. Chevrier	2025	Breast milk bisphenol concentrations in Canada and South Africa and associations with body size among South African infants	Environ Res. 2025 Nov 15;285(Pt 4):122452.	10.1016/j.envres.2025.122452	40716594	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0629		B. A. A. El-Degwi, M. E. Awad, W. Laimon, S. A. Askar, D. A. W. El-Morsi and D. A. M. Ahmed	2024	The potential Association of Bisphenol A exposure and type 1 diabetes mellitus among Dakahlia Governorate's children sample, Egypt	Toxicol Res (Camb). 2024 Jun 20;13(3):ftae093.	10.1093/toxres/ftae093	38912005	ヒト、動物	代謝	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性が担保できない、動物試験結果を含む	-
統合_0630		H. El Ouazzani, S. Fortin, N. Venisse, A. Dupuis, S. Rouillon, G. Cambien, A. S. Gourgues, P. Pierre-Eugène, S. Rabouan, V. Migeot and M. Albouy-Liaty	2021	Perinatal Environmental Health Education Intervention to Reduce Exposure to Endocrine Disruptors: The PREVED Project	Int J Environ Res Public Health. 2021 Dec 22;19(1):70.	10.3390/ijerph19010070	35010328	ヒト	その他(リスク認知)	0	0	介入研究	1	1	1	1	1	3	内分分泌かく乱物質(ED)への曝露を減らす介入研究	-
統合_0631		M. Ekiel, N. Çakır Biçer, A. Yürün, G. Demirel and P. Erkekoğlu	2024	Evaluation of Exposure to Bisphenol Analogs through Canned and Ready-to-Eat Meal Consumption and Their Possible Effects on Blood Pressure and Heart Rate	Nutrients. 2024 Jul 15;16(14):2275.	10.3390/nu16142275	39064718	ヒト	心血管	0	0	介入研究	1	1	1	1	1	3	BPAが直接の曝露因子ではない(生鮮食品、缶詰食品、調理済み食品の摂取)	-
統合_0633		A. Eisner, Y. Gao, F. Collier, K. Drummond, S. Thomson, D. Burgner, P. Vuillermin, M. L. Tang, J. Mueller, C. Symeonides, R. Saffery and A. L. Ponsonby	2022	Cord blood immune profile: Associations with higher prenatal plastic chemical levels	Environ Pollut. 2022 Dec 15;315:120332.	10.1016/j.envpol.2022.120332	36195195	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_0634		S. M. Eick, Y. Tan, K. R. Taibl, P. Barry Ryan, D. B. Barr, A. Huls, J. A. Eatman, P. Panuwet, P. E. D'Souza, V. Yakimavets, G. E. Lee, P. A. Brennan, E. J. Corwin, A. L. Dunlop and D. Liang	2024	Prenatal exposure to persistent and non-persistent chemical mixtures and associations with adverse birth outcomes in the Atlanta African American Maternal-Child Cohort	J Expo Sci Environ Epidemiol. 2024 Jul;34(4):570-580.	10.1038/s41370-023-00530-4	36841843	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	混合曝露の解析が主で、BPA単独の評価は限定的。	1
統合_0636		J. A. Eatman, A. L. Dunlop, D. B. Barr, E. J. Corwin, C. C. Hill, P. A. Brennan, P. B. Ryan, P. Panuwet, K. R. Taibl, Y. Tan, D. Liang and S. M. Eick	2023	Exposure to phthalate metabolites, bisphenol A, and psychosocial stress mixtures and pregnancy outcomes in the Atlanta African American maternal-child cohort	Environ Res. 2023 Sep 15;233:116464.	10.1016/j.envres.2023.116464	37343758	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	混合曝露の解析が主で、BPA単独の評価は限定的。	1

1：該当、
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0：該当しない

1：該当、
0：該当しない

1：BPAのリスク評価への使用が有用と考えられる文献
2：BPAのリスク評価の上で有用性が低いと考えられる文献
3：何らかの理由で判断できない文献

1：該当

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1：該当、
0：該当し
ない

適格性評価
1：該当、0：該当しない

信頼性評価
1：該当、0：該当しない

1：BPAのリスク評価への使用が有用と考えられる文献
2：BPAのリスク評価の上で有用性が低いと考えられる文献
3：何らかの理由で判断できない文献

1：該当

統合No.	著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_0637	L. Dunder, M. H. Lejonklu, P. M. Lind and L. Lind	2019	Urinary bisphenol A and serum lipids: a meta-analysis of six NHANES examination cycles (2003-2014)	J Epidemiol Community Health. 2019 Nov;73(11):1012-1019.	10.1136/jech-2019-212555	31551308	ヒト	代謝(メタアナリシス)	0	0	メタアナリシス	1	1	0	1	1	2	横断6本のみ(NHANESの6サイクル)	-
統合_0643	S. Duan, Y. Wu, J. Zhu, X. Wang, Y. Zhang, C. Gu and Y. Fang	2024	Development of interpretable machine learning models associated with environmental chemicals to predict all-cause and specific-cause mortality : A longitudinal study based on NHANES	Ecotoxical Environ Saf. 2024 Jan 15;270:115864.	10.1016/j.ecoen-2023.115864	38142591	ヒト	その他(死亡率)	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0646	L. J. Dou, Q. F. Zhang, H. H. Bao, W. K. Wu, J. Sheng, S. Q. Yan, Y. Y. Xu, C. L. Gu, K. Huang, H. Cao, P. Y. Su, F. B. Tao and J. H. Hao	2020	[A birth cohort study of the association between prenatal serum bisphenol A concentration and infant neurobehavior development]	Zhonghua Yu Fang Yi Xue Za Zhi. 2020 Jun 6;54(6):644-650.	10.3760/cma.j.cn112150-20190902-00696	32842280	ヒト	発達神経	0	0	コホート研究	1	1	-	-	-	3	中国語文献のため対象外	-
統合_0652	I. Dimiadiadis, I. Souter, P. L. Williams, D. Weller, J. B. Ford, R. Hauser and L. Miguuez-Alarcón	2025	Phenol biomarker concentrations in human ovarian follicular fluid and the associations with in-vitro fertilization outcomes	Int J Hyg Environ Health. 2025 Jul;268:114617.	10.1016/j.ijheh.2025.114617	40617121	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0657	A. Derakhshani, H. Shu, R. P. Peeters, A. Kortenkamp, C. H. Lindth, B. Demeneix, C. G. Bornehag and T. I. M. Korevaar	2019	Association of urinary bisphenols and triclosan with thyroid function during early pregnancy	Environ Int. 2019 Dec;133(Pt A):105123.	10.1016/j.envint-2019.105123	31521814	ヒト	甲状腺	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0659	A. Derakhshani, E. M. Phillips, A. Ghassebian, S. Santos, A. G. Asimakopoulos, K. Kannan, A. Kortenkamp, V. W. V. Jaddoe, L. Trasande, R. P. Peeters and T. I. M. Korevaar	2021	Association of urinary bisphenols during pregnancy with maternal, cord blood and childhood thyroid function	Environ Int. 2021 Jan;146:106160.	10.1016/j.envint-2020.106160	33068853	ヒト	甲状腺	0	0	コホート研究	1	1	1	1	1	1	母の甲状腺指標については横断	-
統合_0660	A. Deodati, G. Bottaro, D. Germani, F. Carli, S. Tait, L. Busani, V. Della Latta, A. P. Pala, F. Maranghi, R. Tassinari, A. Gastaldelli, C. La Rocca and S. Cianfanelli	2024	Urinary Bisphenol A and Bis(2-Ethylhexyl) Phthalate Metabolite Concentrations in Children with Obesity: A Case-Control Study	Horm Res Paediatr. 2024;97(4):386-396.	10.1159/000535305	37972573	ヒト	代謝	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0666	J. G. DeKoven, B. M. DeKoven, E. M. Warshaw, C. G. T. Mathias, J. S. Taylor, D. Sasseville, D. V. Belisto, J. F. Fowler, Jr., M. D. Pratt, K. A. Zug, H. I. Maibach, V. A. DeLeo, J. I. Silverberg, A. R. Atwater, M. J. Reeder and D. L. Holness	2022	Occupational contact dermatitis: Retrospective analysis of North American Contact Dermatitis Group Data, 2001 to 2016	J Am Acad Dermatol. 2022 Apr;86(4):782-790.	10.1016/j.jaad.2021.03.042	33753252	ヒト	皮膚	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0676	W. Cowell, M. H. Jacobson, S. E. Long, Y. Wang, L. G. Kahn, A. Ghassebian, M. Naidu, G. D. Torshtzi, Y. Afanasyeva, M. Liu, S. S. Mehta-Lee, S. G. Brubaker, K. Kannan and L. Trasande	2023	Maternal urinary bisphenols and phthalates in relation to estimated fetal weight across mid to late pregnancy	Environ Int. 2023 Apr;174:107922.	10.1016/j.envint-2023.107922	37075581	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	ビスフェノールは(BPA+BPS)での解析が中心で、BPA単独のリスク評価は限定的。	1
統合_0677	S. A. Costa, M. Severo, C. Lopes and D. Torres	2024	Association between bisphenol A exposure and cardiometabolic outcomes: A longitudinal approach	J Hazard Mater. 2024 Sep 5;476:135000.	10.1016/j.jhazmat.2024.135000	38909471	ヒト	心血管	0	0	コホート研究	1	1	1	1	1	1	横断と縦断が混合(Fig2)	-
統合_0689	W. C. Chou, J. W. Gaynor, E. M. Graham, B. Klepczynski, T. Walker, E. S. Coker, R. F. Ittenbach and Z. Lin	2025	A Machine Learning-Based Clustering Analysis to Explore Bisphenol A and Phthalate Exposure from Medical Devices in Infants with Congenital Heart Defects	Environ Health Perspect. 2025 Jun;133(6):67016.	10.1289/ehp.15034	40338266	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_0690	Y. J. Choi, Y. A. Lee, Y. C. Hong, J. Cho, K. S. Lee, C. H. Shin, B. N. Kim, J. I. Kim, S. J. Park, H. Bisgaard, K. Bannelykke and Y. H. Lim	2020	Effect of prenatal bisphenol A exposure on early childhood body mass index through epigenetic influence on the insulin-like growth factor 2 receptor (IGF2R) gene	Environ Int. 2020 Oct;143:105929.	10.1016/j.envint-2020.105929	32654488	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0694	J. W. Choi, H. Jang, J. R. Kuiper, D. H. Bennett, R. J. Schmidt and H. M. Shin	2025	Gestational exposures to mixtures of multiple chemical classes and autism spectrum disorder in the MARBLES study	Environ Res. 2025 Aug 1;278:121646.	10.1016/j.envres.2025.121646	40250579	ヒト	発達神経	0	0	コホート研究	1	1	1	1	0	2	BPA単独の結果がない	-
統合_0695	J. E. Choi, E. J. Choi, S. Lee, B. Park, H. A. Lee, Y. S. Hong, E. Ha, H. S. Kim and H. Park	2025	Relationship of urinary bisphenol A in childhood on thyroid hormone function in adolescents: a cohort study	PLoS One. 2025 May 22;20(5):e0322658.	10.1371/journal.pone.0322658	40403006	ヒト	甲状腺	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0696	Y. Choe, K. N. Kim, Y. J. Lee, J. I. Kim, B. N. Kim, Y. H. Lim, Y. C. Hong, C. H. Shin and Y. A. Lee	2024	Prenatal and childhood exposure to endocrine-disrupting chemicals and early (th)larche in 8-year-old girls: A prospective study using Bayesian kernel regression	Environ Res. 2024 Dec 15;263(Pt 1):120056.	10.1016/j.envres.2024.120056	39343343	ヒト	乳房	1	0	コホート研究	1	1	1	1	1	1	子どもの尿中BPAを利用した研究は横断	1
統合_0697	N. Chitkawa, M. Alqudaimi, M. Sultan and D. Wu	2024	Plastic-related endocrine disrupting chemicals significantly related to the increased risk of estrogen-dependent diseases in women	Environ Res. 2024 Jul 1;252(Pt 2):118966.	10.1016/j.envres.2024.118966	38640992	ヒト	卵巣(メタアナリシス)	1	0	メタアナリシス	1	1	1	1	1	1	エストロゲン依存性疾患をアウトカムにしているが、1つ1つの疾患については統合している件数数が少ない。また、採用された22文献のうち、13は症例対照研究、3は時間断面(横断)研究であり、曝露とアウトカムとの時間的関連性が担保されているのか、1つ1つの文献を当たる必要がある。	1
統合_0702	Y. M. Chen, Z. Y. Liu, S. Chen, X. T. Lu, Z. H. Huang, M. Wusiman, B. X. Huang, Q. Y. Lan, T. Wu, R. Z. Huang, S. Y. Huang, L. L. Lv, Y. Y. Jian and H. L. Zhu	2023	Mitigating the impact of bisphenol A exposure on mortality: Is diet the key? A cohort study based on NHANES	Ecotoxical Environ Saf. 2023 Nov 15;267:115629.	10.1016/j.ecoen-2023.115629	37890258	ヒト	その他(死亡率)	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0703	Y. Chen, Z. Zhang, G. He, H. Liang, X. Song, J. Xi, S. Wen, W. Yuan, Z. Wang and M. Miao	2024	Associations of prenatal exposure to bisphenols with infant anthropometry: A prospective cohort study	Sci Total Environ. 2024 Jun 20;930:172409.	10.1016/j.scitotenv.2024.172409	38636856	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0705	Y. Chen, H. Xiao, A. Namat, J. Liu, F. Ruan, S. Xu, R. Li and W. Xia	2022	Association between trimester-specific exposure to thirteen endocrine disrupting chemicals and preterm birth: Comparison of three statistical models	Sci Total Environ. 2022 Dec 10;851(Pt 2):158236.	10.1016/j.scitotenv.2022.158236	36041600	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0707	Y. Chen, M. Miao, Z. Wang, H. Ji, Y. Zhou, H. Liang, G. He and W. Yuan	2023	Prenatal bisphenol exposure and intelligence quotient in children at six years of age: A prospective cohort study	Chemosphere. 2023 Sep;334:139023.	10.1016/j.chemosphere.2023.139023	37230300	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0709	W. J. Chen, C. Robledo, E. M. Davis, J. R. Goodman, C. Xu, J. Huang, A. E. Janitz, T. Garwe, A. M. Calafat and J. D. Peck	2022	Assessing urinary phenol and paraben mixtures in pregnant women with and without gestational diabetes mellitus: A case-control study	Environ Res. 2022 Nov;214(Pt 2):113897.	10.1016/j.envres.2022.113897	35839910	ヒト	生殖発生	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-

別添-3 文献評価結果 (疫学)

統合No.		著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_0710		S. Chen, Y. Tao, P. Wang, D. Li, R. Shen, G. Fu, T. Wei and W. Zhang	2023	Association of urinary bisphenol A with cardiovascular and all-cause mortality: National Health and Nutrition Examination Survey (NHANES) 2003-2016	Environ Sci Pollut Res Int. 2023 Apr;30(17):51217-51227.	10.1007/s11356-023-25924-7	36807039	ヒト	その他(死亡率)	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0712		P. P. Chen, P. Yang, C. Liu, Y. L. Deng, Q. Luo, Y. Miao, M. Zhang, F. P. Cui, J. Y. Zeng, T. Shi, T. T. Lu, D. Chen, L. Q. Wang, C. P. Liu, M. Jiang and Q. Zeng	2022	Urinary concentrations of phenols, oxidative stress biomarkers and thyroid cancer: Exploring associations and mediation effects	J Environ Sci (China). 2022 Oct;120:30-40.	10.1016/j.jes.2022.01.009	35623770	ヒト	発がん	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0717		J. Chen, H. Zhu, Y. Chen, S. Pan, H. Liang, X. Song, Q. Wu, W. Yuan, M. Miao and Z. Wang	2024	The Role of Placental DNA Methylation at Reproduction-Related Genes in Associations between Prenatal Bisphenol Analogues Exposure and the Digit Ratio in Children at Age 4: A Birth Cohort Study	Environ Sci Technol. 2024 Jul;58(26):11320-11330.	10.1021/acs.est.4c03764	38898774	ヒト	遺伝毒性	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0718		J. Chen, M. Miao, X. Song, H. Ji, H. Lian, Y. Chen, W. Yuan and Z. Wang	2025	Tracing impacts of prenatal exposure to bisphenol analogues on child anogenital distance development: A birth-cohort study	J Hazard Mater. 2025 Jun 15;490:137730.	10.1016/j.jhazmat.2025.137730	40022929	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0719		H. Chen, W. Zhang, X. Sun, Y. Zhou, J. Li, H. Zhao, W. Xia, S. Xu, Z. Cai and Y. Li	2024	Prenatal exposure to multiple environmental chemicals and birth size	J Expo Sci Environ Epidemiol. 2024 Jul;34(4):629-636.	10.1038/s41370-023-00568-4	37422589	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	混合曝露評価が主で、BPA単独のリスク評価は限定的。	1
統合_0720		C. Y. Chen, C. C. Lee, H. J. Hsu, I. W. Wu, Y. C. Chen, H. C. Pan, Y. T. Chen, C. K. Hsu and C. Y. Sun	2024	Long-term impacts of endocrine-disrupting chemicals exposure on kidney function: A community-based cohort study	Environ Toxicol Pharmacol. 2024 Mar;106:104379.	10.1016/j.etap.2024.104379	38307303	ヒト	腎	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0721		M. Charlifson, E. Seok, Y. Wang, S. S. Mehta-Lee, R. Gordon, M. Liu, L. Trasande and L. G. Kahn	2024	Evaluating associations of bisphenol and phthalate exposure with time to pregnancy and subfecundity in a New York City pregnancy cohort	Environ Pollut. 2024 Sep 1;356:124281.	10.1016/j.envpo.2024.124281	38830524	ヒト	生殖発生	1	0	コホート研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0724		A. Chang, A. Ridpath, J. Carpenter, S. Kieszak, K. Sircar, A. Espinosa-Bode, D. Nelson and C. Martin	2020	Urine Bisphenol A and Arsenic Levels in Residents of the Cheyenne River Sioux Tribe, South Dakota, with and without Diabetes	J Med Toxicol. 2020 Jul;16(3):276-283.	10.1007/s13181-019-00748-5	31848906	ヒト	代謝	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0729		C. Castellini, M. Muselli, A. Parisi, M. Totaro, D. Tienforti, G. Cordeschi, M. Giorgio Baroni, M. Maccarrone, S. Necozione, S. Francavilla and A. Barbonetti	2022	Association between urinary bisphenol A concentrations and semen quality: A meta-analytic study	Biochem Pharmacol. 2022 Mar;197:114896.	10.1016/j.bcp.2021.114896	34968490	ヒト	精子(メタアナリシス)	1	0	メタアナリシス	1	1	1	1	1	1	採用になっている9論文のうち、7論文は時間断面(横断)研究	1
統合_0733		L. Caporossi, P. Viganò, E. Paci, S. Capanna, A. Alteri, D. Pignoli, G. Tranfo and B. Papaleo	2022	A Case-Control Study on the Effects of Plasticizers Exposure on Male Fertility	Int J Environ Res Public Health. 2022 Dec 23;20(1):235.	10.3390/ijerph20010235	36612557	ヒト	精子	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0736		X. L. Cao, N. X. Xu, X. Y. Zhou and C. M. Xu	2022	Association of urinary bisphenol A concentrations with in vitro fertilisation outcomes: a systematic review and meta-analysis protocol	BMJ Open. 2022 Nov 1;12(11):e0063930.	10.1136/bmjopen-2022-0063930	36319056	ヒト	生殖発生(メタアナリシス)	1	0	メタアナリシス(プロトコール論文)	1	1	-	-	-	連絡性基準 不適合	-	-
統合_0741		M. Büyükeren	2023	Comparison of urine bisphenol A levels in transient tachypnea of the newborn and healthy newborns	Turk J Pediatr. 2023;85(1):35-45.	10.24953/turkipe.2022.304	36866983	ヒト	呼吸器系	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0746		C. G. Bornehag, E. Engdahl, M. Uhenge Halleröbäck, S. Wikström, C. Lindh, J. Rüdigg, E. Tanner and C. Gemnings	2021	Prenatal exposure to bisphenols and cognitive function in children at 7 years of age in the Swedish SELMA study	Environ Int. 2021 May;150:106433.	10.1016/j.envint.2021.106433	33637302	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0747		M. M. Borghese, R. Huang, S. MacPherson, E. Gaudreau, S. Gagné, J. Ashley-Martin, M. Fisher, L. Booi, M. F. Bouchard and T. E. Arbuckle	2023	A descriptive analysis of first trimester urinary concentrations of 14 bisphenol analogues in the MIREC Canadian pregnancy cohort	Int J Hyg Environ Health. 2023 Aug;253:114225.	10.1016/j.ijheh.2023.114225	37542835	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	連絡性基準 不適合	-	-
統合_0749		P. A. Bommarito, S. M. Blaauwendraad, D. R. Stevens, M. A. van den Dries, S. Spaan, A. Pronk, H. Tiemeier, R. Gaillard, L. Trasande, V. V. W. Jaddoe and K. K. Ferguson	2024	Prenatal Exposure to Nonpersistent Chemicals and Fetal-to-childhood Growth Trajectories	Epidemiology. 2024 Nov 1;35(6):874-884.	10.1097/ede.0000000000001772	39042458	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0751		S. M. Blaauwendraad, E. Voerman, L. Trasande, K. Kannan, S. Santos, G. J. G. Ruijter, C. M. Sol, L. Marchioro, E. Shokry, B. Koletzko, V. W. V. Jaddoe and R. Gaillard	2021	Associations of maternal bisphenol urine concentrations during pregnancy with neonatal metabolomic profiles	Metabolomics. 2021 Sep 13;17(9):84.	10.1007/s11306-021-01836-w	34518915	ヒト	代謝(脂質代謝)	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0752		S. M. Blaauwendraad, S. Shahin, C. Duh-Leong, M. Liu, K. Kannan, L. G. Kahn, V. W. V. Jaddoe, A. Ghassabian and L. Trasande	2024	Fetal bisphenol and phthalate exposure and early childhood growth in a New York City birth cohort	Environ Int. 2024 May;187:108726.	10.1016/j.envint.2024.108726	38733764	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0753		S. M. Blaauwendraad, R. Gaillard, S. Santos, C. M. Sol, K. Kannan, L. Trasande and V. W. V. Jaddoe	2022	Maternal Phthalate and Bisphenol Urine Concentrations during Pregnancy and Early Markers of Arterial Health in Children	Environ Health Perspect. 2022 Apr;130(4):47007.	10.1289/ehp.10293	35471947	ヒト	心血管	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0754		S. M. Blaauwendraad, R. H. M. Dykgraaf, R. Gaillard, M. Liu, J. S. Laven, V. W. V. Jaddoe and L. Trasande	2024	Associations of bisphenol and phthalate exposure and anti-Müllerian hormone levels in women of reproductive age	EClinicalMedicine. 2024 Jul 17;74:102734.	10.1016/j.eclinm.2024.102734	39114272	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_0756		F. M. Bigambo, D. Wang, J. Sun, X. Ding, X. Li, B. Gao, D. Wu, W. Gu, M. Zhang and X. Wang	2023	Association between Urinary BPA Substitutes and Precocious Puberty among Girls: A Single-Exposure and Mixed Exposure Approach from a Chinese Case-Control Study	Toxics. 2023 Nov 6;11(11):905.	10.3390/toxics11110905	37999557	ヒト	生殖(思春期発達)	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_0758		F. M. Bigambo, H. Sun, W. Yan, D. Wu, Y. Xia, X. Wang and X. Wang	2020	Association between phenols exposure and earlier puberty in children: A systematic review and meta-analysis	Environ Res. 2020 Nov;190:110056.	10.1016/j.envres.2020.110056	32805251	ヒト	生殖発生(メタアナリシス)	1	0	メタアナリシス	1	1	1	1	1	1	コホート3本を含む	1
統合_0760		L. Bidiga, T. Csoska, G. Mehes, C. Markóth, D. Hukai and J. Mátys	2025	Case Report: Toxic tubulointerstitial nephropathy with lipofuscin deposition - the potential cause of occupational Bisphenol-A exposition	Pathol Oncol Res. 2025 Jul 7;31:1612046.	10.3389/pore.2025.1612046	40692724	ヒト	腎	0	0	症例報告	1	1	-	-	-	連絡性基準 不適合	-	-
統合_0761		J. Bi, F. Wang, Y. Wei, Y. Zhang, C. Jia, J. Hu, J. Yao, Z. Zhang, Z. Li, P. Ji and M. He	2022	Association of serum bisphenol A levels with incident overweight and obesity risk and the mediating effect of adiponectin	Chemosphere. 2022 Dec;308(Pt 2):136287.	10.1016/j.chemosphere.2022.136287	36084821	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_0764		K. Berger, C. Hyland, J. L. Ames, A. M. Mora, K. Huen, B. Eskenazi, N. Holland and K. G. Harley	2021	Prenatal Exposure to Mixtures of Phthalates, Parabens, and Other Phenols and Obesity in Five-Year-Olds in the CHAMACOS Cohort	Int J Environ Res Public Health. 2021 Feb 12;18(4):1796.	10.3390/ijerph18041796	33673219	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-

1 : 該当、
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1 : 該当、
0 : 該当し
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連絡性評価
1 : 該当、0 : 該当しない

信頼性評価
1 : 該当、0 : 該当しない

1 : BPAのリスク評価への使用が有用と考えられる文献
2 : BPAのリスク評価の上で有用性が低いと考えられる文献
3 : 何らかの理由で判断できない文献

1 : 該当

統合No.	著者名	発行年	タイトル	書籍情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献	
統合_0765	K. Berger, E. Coker, S. Rauch, B. Eskenazi, J. Balmes, K. Kogut, N. Holland, A. M. Calafat and K. Harley	2020	Prenatal phthalate, paraben, and phenol exposure and childhood allergic and respiratory outcomes: Evaluating exposure to chemical mixtures	Sci Total Environ. 2020 Jul 10;725:138418.	10.1016/j.scitotenv.2020.138418	32302842	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	-	1	
統合_0769	A. L. Beck, E. V. Br��uner, C. S. Uldbjerg, Y. H. Lim, H. Boyle, H. Frederiksen, A. M. Andersson and T. K. Jensen	2025	Maternal urinary concentrations of bisphenol A during pregnancy and birth size in children from the Odense Child Cohort	Environ Health. 2025 Apr 1;24(1):15.	10.1186/s12940-025-01169-4	40170055	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1	
統合_0772	W. Bao, B. Liu, S. Rong, S. Y. Dai, L. Trasande and H. J. Lehmler	2022	Association Between Bisphenol A Exposure and Risk of All-Cause and Cause-Specific Mortality in US Adults	JAMA Netw Open. 2020 Aug 3;3(8):e2011620.	10.1001/jamanetworkopen.2020.011620	32804211	ヒト	その他(死亡率)	0	0	コホート研究	1	1	1	1	1	1	-	-	
統合_0779	J. Ao, W. Zhu, W. Jiang, X. Zeng, W. Qiu, S. Yue, W. Wang and J. Zhang	2024	The mixture of non-persistent endocrine-disrupting chemicals in relation to endometriosis	Ecotoxicol Environ Saf. 2024 Nov 1;285:117129.	10.1016/j.ecoenv.2024.117129	39388968	ヒト	子宮	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-	
統合_0781	J. Ao, X. Huo, J. Zhang, Y. Mao, G. Li, J. Ye, Y. Shi, F. Jin, S. Bao and J. Zhang	2022	Environmental exposure to bisphenol analogues and unexplained recurrent miscarriage: A case-control study	Environ Res. 2022 Mar;204(Pt C):112293.	10.1016/j.envres.2021.112293	34728239	ヒト	生殖発生	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-	
統合_0785	P. Altun Yildirim, E. Nastican, Z. Haytuglu, I. Turan, B. Kilinc��li, A. A. Aydin, E. Mengen and N. Daglioglu	2025	Evaluation of the Relationship Between Thyroid Hormone Levels and Bisphenol A in Children Aged 6-14 Years	Clin Endocrinol (Oxf). 2025 Jul;103(1):97-105.	10.1111/cen.15221	40025791	ヒト	甲状腺	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-	
統合_0786	K. Almstrup, H. Frederiksen, A. M. Andersson and A. Juul	2025	Levels of endocrine-disrupting chemicals are associated with changes in the peri-pubertal epigenome	Endocr Connect. 2020 Aug;9(8):845-857.	10.1530/ec-20-0286	32755991	ヒト	遺伝毒性	0	0	コホート研究	全ての 集団	1	1	1	1	1	1	-	-
統合_0789	J. D. Alampy, B. P. Lanphear, J. M. Braun, A. Chen, T. K. Takaro, G. Muckle, T. E. Arbuckle and L. C. McEldness	2021	Association Between Gestational Exposure to Toxicants and Autistic Behaviors Using Bayesian Quantile Regression	Am J Epidemiol. 2021 Sep 1;190(9):1803-1813.	10.1093/aje/kwaa605	33779718	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-	
統合_0792	S. Aishwarya, V. M. Vinodhini, P. Renuka, R. A. Saravanan, M. Anuradha, T. Gomathi and V. Amuthavalli	2025	Investigating the impact of endocrine-disrupting compounds on antepartum mental health at the Nexus of genetic insights and maternal-fetal outcomes: A prospective study	Gen Hosp Psychiatry. 2025 May-Jun;94:174-183.	10.1016/j.genhosppsych.2025.03.009	40101314	ヒト	神経(産後うつ)	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-	
統合_0794	K. M. Ahn, M. S. Yang, H. K. Won and J. A. Lim	2024	Pilot study: Unveiling the impact of bisphenol A and phthalate exposure on women with asthma	Medicine (Baltimore). 2024 Sep 27;103(39):e39840.	10.1097/md.00000000000039840	39331870	ヒト	免疫	0	1	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-	
統合_0797	S. Aftabzavad, Z. Noormohammadi, A. Moini and M. Karimipour	2024	Interference of Bisphenol A on Cumulus Cells Development and Number of Retrieved Mature Oocytes in Unexpected Poor Ovarian Response Women: A Prospective Cohort Study	Cell J. 2024 May 7;26(4):267-275.	10.22074/cellj.2024.2020628.1488	38736411	ヒト	卵巣	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-	
統合_0800	A. Abellan, S. M. Mensink-Bout, R. Garcia-Esteban, A. Benito, L. Chatti, T. Duarte-Salles, M. F. Fernandez, J. Garcia-Aymerich, B. Granum, C. Iliguez, V. W. V. Jaddoe, K. Kannan, A. Lertxundi, M. J. Lopez-Espinosa, C. Philippat, A. K. Sakhi, S. Santos, V. Sioux, J. Sunyer, L. Trasande, M. Vafeiadi, F. Vela-Soria, T. C. Yang, C. Zabaleta, M. Vrijheid, L. Duijts and M. Casas	2022	In utero exposure to bisphenols and asthma, wheeze, and lung function in school-age children: a prospective meta-analysis of 8 European birth cohorts	Environ Int. 2022 Apr;162:107178.	10.1016/j.envint.2022.107178	35314078	ヒト	免疫(メタアナリシス)	0	1	メタアナリシス	1	1	1	1	1	1	コホート8本を含む	1	
統合_0809	X. Zhou, C. Wei, X. Liu, Z. Zhang, Y. Wu, B. Zeng, Y. Jin, Y. Shi, Z. Mo, J. Cheng, X. Zou, Q. Wei, L. Yang and S. Qiu	2025	Revealing the role of bisphenol A on prostate cancer progression and identifying potential targets: A comprehensive analysis from population cohort to molecular mechanism	Ecotoxicol Environ Saf. 2025 May;296:118209.	10.1016/j.ecoenv.2025.118209	40249974	ヒト、動物、in vitro	発がん	0	0	コホート研究	1	1	1	1	1	1	-	-	
統合_0895	G. Wang, X. Hong, J. Yu, Y. Zhang, Y. Li, Z. Li, Z. Zhu, S. Yuan, X. Zhang, S. Wang, F. Zhu, Y. Wang, C. Wu, P. Su and T. Shen	2023	Enhancing de novo ceramide synthesis induced by bisphenol A exposure aggravates metabolic dysfunction during obesity	Mol Metab. 2023 Jul;73:101741.	10.1016/j.molmet.2023.101741	37225016	ヒト、動物	代謝	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-	
統合_0945	O. P. Stoddard, K. Berger, B. Eskenazi, K. Kogut, N. T. Holland, S. Rauch and K. G. Harley	2025	In utero exposure to a mixture of phthalates, parabens, and other phenols and menstrual cycle characteristics in adolescents	Int J Hyg Environ Health. 2025 Jul;268:114612.	10.1016/j.ijheh.2025.114612	40587922	ヒト	生殖発生	1	0	コホート	1	1	1	1	1	1	-	1	
統合_2166	I. Al-Saleh, R. Elkhatib, M. Alnemer, H. Aldhalaan and M. Shoukri	2025	Impact of maternal Bisphenol A exposure on thyroid hormones and birth anthropometric outcomes: A repeated measures study	Emerging Contaminants, Volume 11, Issue 2, June 2025, 100479	10.1016/j.emcon.2025.100479	-	ヒト	生殖発生	1	0	コホート	1	1	1	1	1	1	-	1	
統合_2174	L. Fabbri, O. Robinson, X. Basaga��la, L. Chatzi, R. Grazuleviciene, M. Guxens, M. Kadawathagagedara, A. K. Sakhi, L. Maitre, R. McEachan, C. Philippat, O. J. Pozo, C. Thomsen, J. Wright, T. Yang and M. Vrijheid	2025	Childhood exposure to non-persistent endocrine disruptors, glucocorticosteroids, and attentional function: A cross-sectional study based on the parametric g-formula	Environ Res. 2025 Jan 1;264(Pt 2):120413.	10.1016/j.envres.2024.120413	39577729	ヒト	発達神経	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	子どもの心理検査と尿検査が同時に実施されている。	-	
統合_2178	Y. S. Duan, H. W. Sun, Y. M. Yao, L. P. Han and L. M. Chen	2021	Perturbation of serum metabolome in relation to type 2 diabetes mellitus and urinary levels of phthalate metabolites and phenols	Environ Int. 2021 Oct;155:106609.	10.1016/j.envint.2021.106609	33965767	ヒト	代謝	0	0	横断研究	-	-	-	-	-	適格性基準 不適合	-	-	
統合_2181	D. S. Di, R. Y. Zhang, H. L. Zhou, M. H. Wei, Y. Cui, J. L. Zhang, T. T. Yuan, Q. Liu, T. T. Zhou, J. A. Liu and Q. Wang	2023	Exposure to phenols, chlorophenol pesticides, phthalate and PAHs and mortality risk: A prospective study based on 6 rounds of NHANES	Chemosphere. 2023 Jul;329:138650.	10.1016/j.chemosphere.2023.138650	37037349	ヒト	発がん	0	0	コホート	1	1	1	1	1	1	-	-	
統合_2186	A. Davies, S. Lyon-Caen, M. Rolland, N. Iazatti, C. Thomsen, L. S. Haug, A. K. Sakhi, C. Monol, Y. Rayah, Z. E. Ithan, N. Jovanovic, C. Philippat, M. Eggesbo, P. Lesage and R. Slama	2024	Perinatal Exposure to Phenols and Poly- and Perfluoroalkyl Substances and Gut Microbiota in One-Year-Old Children	Environ Sci Technol. 2024 Sep 3;58(35):15395-15414.	10.1021/acs.est.3c09927	39173114	ヒト	腸内細菌叢	0	0	コホート	1	1	1	1	1	1	-	-	
統合_2187	M. D. B. Dalla, C. O. Ayala, F. Castro, F. K. Neto, G. Zanirati, W. Canon-Montanez and R. Mattiello	2022	Environmental pollution and attention deficit hyperactivity disorder: A meta-analysis of cohort studies	Environ Pollut. 2022 Dec 15;315:120351.	10.1016/j.envpo.2022.120351	36216185	ヒト	発達神経(メタアナリシス、ADHD)	0	0	メタアナリシス	1	1	1	0	0	2	-	-	
統合_2188	Y. M. Dai, J. Y. Ding, Z. Wang, B. Y. Zhang, Q. Guo, J. Q. Guo, X. J. Qi, D. S. Lu, X. L. Chang, C. H. Wu, J. M. Zhang and Z. J. Zhou	2024	Associations of prenatal and concurrent exposure to phenols mixture with anthropometric measures and blood pressure during childhood: A time-varying mixture approach	Environ Res. 2024 Nov 15;261:119766.	10.1016/j.envres.2024.119766	39127330	ヒト	心血管	0	0	コホート	1	1	1	1	1	1	子どもの尿中BPAを利用した研究は横断	-	

別添-3 文献評価結果 (仮字)

統合No.		著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_2197		Y. T. Chen, L. Y. Xu, Q. Q. Zhu, L. G. Hu and C. Y. Liao	2025	Typical endocrine disrupting chemicals in newborns with congenital hypothyroidism: Concentrations, exposure assessment, and potential risks	J Hazard Mater. 2025 Mar 15;486:136991.	10.1016/j.jhazmat.2024.136991	39733755	ヒト	甲状腺	0	0	症例対照	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2199		C. Y. Chen, C. Y. Sun, H. J. Hsu, I. W. Wu, Y. C. Chen and C. C. Lee	2021	Xenoestrogen exposure and kidney function in the general population: Results of a community-based study by laboratory tests and questionnaire-based interviewing	Environ Int. 2021 Oct;155:106585.	10.1016/j.envint.2021.106585	33910077	ヒト	腎	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2201		D. M. Charytan, W. B. Wu, M. L. Liu, Z. M. Li, K. Kannan, L. Trasande, V. K. Pal, S. Lee, H. Trachtman and C. S. Investigators	2024	Organic Pollutant Exposure and CKD: A Chronic Renal Insufficiency Cohort Pilot Study	Kidney Med. 2023 Dec 13;6(3):100778.	10.1016/j.xkme.2023.100778	38435069	ヒト	腎	0	0	コホート	1	1	1	1	1	1	-	-
統合_2202		L. Caporossi, P. Vigeno, E. Paci, S. Capanna, A. Alteri, M. De Rosa, D. Pignini, E. Partenzi and B. Papaleo	2025	Evidence About the Possible Role of Phthalates and Bisphenol A in Recurrent Pregnancy Loss and Endocrine Dysfunctions: A Case-Control Study	ENVIRONMENTS Vol.12 Issue 2	10.3390/enviro-nments12020038	-	ヒト	生殖発生	1	0	症例対照	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2205		Melek Büyükeren, Bayer Demir	2024	High Urinary Bisphenol A Levels may be a Risk Factor for Infantile Colic: a case-control study	ANDES PEDIATRICA Vol.95 Issue 6 Pages 711-717	10.32641/andes-pediatr.a95i6.5182	-	ヒト	生殖発生	1	0	症例対照	1	1	0	1	0	2	時間的関連性が担保できない、非調整群間比較のみ	-
統合_2208		J. M. Braun, J. P. Buckley, K. M. Cecil, A. M. Chen, H. J. Kalkwarf, B. P. Lanphear, Y. Y. Xu, A. Woeste and K. Yolton	2020	Adolescent follow-up in the Health Outcomes and Measures of the Environment (HOME) Study: cohort profile	BMJ Open. 2020 May 7;10(5):e034838.	10.1136/bmjopen-2019-034838	32385062	ヒト	代謝	0	0	コホート研究	-	-	-	-	-	適格性基準 不適合	コホートプロファイルペーパーのため評価対象外とした	-
統合_2210		P. A. Bommarito, B. M. Welch, A. P. Keil, G. P. Baker, D. E. Cantonwine, T. F. McElrath and K. K. Ferguson	2021	Prenatal exposure to consumer product chemical mixtures and size for gestational age at delivery	Environ Health. 2021 Jun 10;20(1):68.	10.1186/s12940-021-00724-z	34112176	ヒト	生殖発生	1	0	コホート	1	1	1	1	1	1	-	1
統合_2211		T. Boissiere-O'Neill, W. R. Lee, T. L. Blake, P. D. Sly and D. Vilcins	2024	Exposure to endocrine-disrupting plasticisers and lung function in children and adolescents: A systematic review and meta-analysis	Environ Res. 2024 Feb 15;243:117751.	10.1016/j.envres.2023.117751	38061586	ヒト	呼吸器系(メタアナリシス)	0	0	メタアナリシス	1	1	1	1	1	1	-	-
統合_2212		D. Bliatka, M. P. Nigdelis, K. Chatzimeletiou, G. Mastorakos, S. Lympieri and D. G. Goulis	2020	The effects of postnatal exposure of endocrine disruptors on testicular function: a systematic review and a meta-analysis	Hormones (Athens). 2020 Jun;19(2):157-165.	10.1007/s42000-019-00170-0	31925736	ヒト	精巣(システマティックレビュー)	1	0	メタアナリシス	1	1	1	1	1	1	-	1
統合_2213		S. M. Blaauwendraad, V. W. Jaddoe, S. Santos, K. Kannan, G. R. Dohle, L. Trasande and R. Gaillard	2022	Associations of maternal urinary bisphenol and phthalate concentrations with offspring reproductive development	Environ Pollut. 2022 Sep 15;309:119745.	10.1016/j.envpol.2022.119745	35820574	ヒト	生殖発生	1	0	コホート	1	1	1	1	1	1	-	1
統合_2214		S. M. Blaauwendraad, A. J. Boxem, R. Gaillard, L. G. Kahn, M. Lakuleswaran, A. K. Sakhi, E. L. Bekkers, Z. X. Mo, L. Spadacini, C. Thomsen, E. A. P. Steegers, A. Mulders, V. W. V. Jaddoe and L. Trasande	2025	Periconception bisphenol and phthalate concentrations in women and men, time to pregnancy, and risk of miscarriage	Environ Res. 2025 Aug 1;278:121712.	10.1016/j.envres.2025.121712	40311909	ヒト	生殖発生	1	0	コホート	1	1	1	1	1	1	-	1
統合_2218		Bellavia A, Zou R, Björving RD, Roos K, Sjunnesson Y, Hallberg I, Holte J, Pikki A, Lenters V, Portengen L, Koekkoek J, Lahoree M, Van Duursen M, Vermeulen R, Salumets A, Velthut-Meikas A, Damiolopoulos P.	2023	Association between chemical mixtures and female fertility in women undergoing assisted reproduction in Sweden and Estonia	Environ Res. 2023 Jan 1;216(Pt 1):114447.	10.1016/j.envres.2022.114447	36181890	ヒト	生殖発生	1	0	コホート	1	1	0	1	1	2	BPAは検出率が低く主要解析から除外されている	-
統合_2220		M. A. Beg, E. Ahmad, S. F. Al Basri, A. Abdelsalam, O. S. Bajouh, M. S. Jamal, A. M. Abuzenadah and I. A. Sheikh	2020	Endocrine disruption and infertility: Circulatory hormone and bisphenol A concentrations in infertile Saudi women	JOURNAL OF ENVIRONMENTAL BIOLOGY Vol.41 Issue 4 Pages 680-686	10.22438/jeb/41/4/MRN-1335	-	ヒト	生殖発生	1	0	症例対照	1	1	0	1	0	2	時間的関連性が担保できない、非調整群間比較のみ	-
統合_2221		J. M. Barkoski, S. A. Buggang, M. Bixby, D. Bennett, R. J. Schmidt, D. B. Barr, P. Panuwet, C. Gennings and I. Hertz-Picciotto	2019	Prenatal phenol and paraben exposures in relation to child neurodevelopment including autism spectrum disorders in the MARBLES study	Environ Res. 2019 Dec;179(Pt A):108719.	10.1016/j.envres.2019.108719	31627027	ヒト	発達神経	0	0	コホート	1	1	1	1	1	1	-	-
統合_2233		I. Amine, A. Guillien, S. Bayat, S. Lyon-Caen, M. Ouidir, A. Sabaredzovic, A. K. Sakhi, C. Thomsen, S. Valmary-Degano, C. Philippat and V. Siroux	2025	Early-life exposure to mixtures of endocrine-disrupting chemicals and a multi-domain health score in preschool children	Environ Res. 2025 May 1;272:121173.	10.1016/j.envres.2025.121173	39988041	ヒト	発達神経	0	0	コホート	1	1	1	1	1	1	-	-
統合_2234		D. Alwadi, Q. Felty, D. Roy, C. Yoo and A. Deoraj	2022	Environmental Phenol and Paraben Exposure Risks and Their Potential Influence on the Gene Expression Involved in the Prognosis of Prostate Cancer	Int J Mol Sci. 2022 Mar 27;23(7):3679.	10.3390/jms23073679	35409038	ヒト	発がん	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2239		A. Klimowaska, J. Jurewicz, M. Radwan, P. Radwan, P. Pol and B. Wielgomas	2025	Distribution of Environmental Phenols into Follicular Fluid and Urine of Women Attending Infertility Clinic	J Xenobiot. 2025 Jan 21;15(1):1-17.	10.3390/jox15010017	39997360	ヒト	生殖発生	1	0	コホート	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2240		Y. J. Kim, E. Oh, M. Shin, D. H. Nam, S. Y. Jeon, J. H. Yu, J. Y. Song, D. Minn and E. Lee	2024	Premature ovarian insufficiency associated with environmental chemical exposure among Korean women: a study based on the Korean National Environmental Health Survey (2009-2012)	MOLECULAR & CELLULAR TOXICOLOGY Vol.20 Issue 3 Pages 465-471	10.1007/s13273-023-00358-x	-	ヒト	卵巣	1	0	症例対照	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2249		O. Khalifallah, S. Barbosa, C. Philippat, R. Slama, C. Galera, B. Heude, N. Glaichenhaus and L. Davidovic	2023	Cytokines as mediators of the associations of prenatal exposure to phenols, parabens, and phthalates with internalizing behaviours at age 3 in boys: A mixture exposure and mediation approach	Environ Res. 2023 Jul 15;229:115865.	10.1016/j.envres.2023.115865	37062478	ヒト	発達神経	0	0	コホート	1	1	1	1	1	1	-	-
統合_2251		Karthikeyan BS, Hyötyläinen T, Ghaffarzadegan T, Triplett E, Oresić M, Ludvigsson J.	2024	Prenatal exposure to environmental contaminants and cord serum metabolite profiles in future immune-mediated diseases	J Expo Sci Environ Epidemiol. 2024 Jul;34(4):647-658.	10.1038/s41370-024-00680-z	38678133	ヒト	免疫	0	1	nested case-control	1	1	0	1	1	2	BPAデータなし	-
統合_2254		N. Jovanovic, V. Mustieles, M. Althuser, S. Lyon-Caen, N. Alfaidy, C. Thomsen, A. K. Sakhi, A. Sabaredzovic, S. Bayat, A. Couturier-Tarrade, R. Slama and C. Philippat	2024	Associations between synthetic phenols, phthalates, and placental growth/function: a longitudinal cohort with exposure assessment in early pregnancy	Hum Reprod Open. 2024 Apr 1;2024(2):hoae018.	10.1093/hropen/hoae018	38689737	ヒト	生殖発生	1	0	コホート	1	1	1	1	1	1	-	1
統合_2255		H. L. Ji, H. J. Zhu, Z. L. Wang, H. Liang, Y. Chen, X. Liu, W. Yuan, Q. H. Wu, Z. W. Yuan and M. H. Miao	2025	Prenatal bisphenol analogs exposure and placental DNA hypomethylation of genes in the PPAR signaling pathway: Insights for bisphenol analogs' effects on infant anthropometry	Environ Res. 2025 Feb 1;266:120476.	10.1016/j.envres.2024.120476	39613017	ヒト	遺伝毒性	0	0	コホート	1	1	1	1	1	1	-	-
統合_2257		P. Jedynak, M. Rolland, I. Pin, C. Thomsen, A. K. Sakhi, A. Sabaredzovic, C. Philippat, R. Slama and S. S. Grp	2022	Pregnancy Exposure to Phenols and Anthropometric Measures in Gestation and at Birth	Epidemiology. 2022 Sep 1;33(5):616-623.	00000000001515	35700189	ヒト	生殖発生	1	0	コホート	1	1	0	1	1	2	時間的関連性を担保できない	-

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2 : BPAのリスク評価の上で有用性が低いと考えられる文献
3 : 何らかの理由で判断できない文献

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信頼性評価
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1：BPAのリスク評価への使用が有用と考えられる文献
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1：該当

統合No.	著者名	発行年	タイトル	書籍情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_2258	M. H. Jacobson, C. R. Stein, M. L. Liu, M. G. Ackerman, J. K. Blakemore, S. E. Long, G. Pinna, R. Romay-Tallon, K. Kannan, H. K. Zhu and L. Trasande	2021	Prenatal Exposure to Bisphenols and Phthalates and Postpartum Depression: The Role of Neurosteroid Hormone Disruption	J Clin Endocrinol Metab. 2021 Jun 16;106(7):1887-1899.	10.1210/clinem/dgab199	33792735	ヒト	神経(産後うつ)	0	0	コホート	1	1	1	1	1	1	-	-
統合_2270	Güli-Oumrait N, Cano-Sancho G, Montazeri P, Stratakis N, Warembourg C, Lopez-Espinoza MJ, Vioque J, Santa-Marina L, Jimeno-Romero A, Ventura R, Monfort N, Vrijheid M, Casas M.	2022	Prenatal exposure to mixtures of phthalates and phenols and body mass index and blood pressure in Spanish preadolescents	Environ Int. 2022 Nov;169:107527.	10.1016/j.envint.2022.107527	36126421	ヒト	心血管	0	0	コホート	1	1	1	1	1	1	-	-
統合_2274	M. Ghazal, M. Kadawathagedara, R. Delvert, A. Divaret-Chauveau, C. Raheison, R. Varraso, A. Bédard, Amélie Crépet, V. Sirot, M. A. Charles, K. Adel-Patient and B. de Lauzon-Guillain	2024	Prenatal dietary exposure to mixtures of chemicals is associated with allergy or respiratory diseases in children in the ELFE nationwide cohort	Environ Health. 2024 Jan 9;23(1):5.	10.1186/s12940-023-01046-y	38195595	ヒト	免疫	0	1	コホート	1	1	0	1	1	2	BPA単独の結果なし 食事摂取頻度質問票	-
統合_2275	A. Gayford, K. Kannan, M. Lakuleswaran, H. K. Zhu, A. Ghassabian, M. H. Jacobson, S. R. Long, H. X. Liu, Y. Afanasyeva, L. G. Kahn, B. Gu, M. L. Liu, S. S. Mehta-Lee, S. G. Brubaker and L. Trasande	2022	Variability and correlations of synthetic chemicals in urine from a New York City-based cohort of pregnant women	Environ Pollut. 2022 Sep 15;309:119774.	10.1016/j.envpo.2022.119774	35841991	ヒト	一般毒性	0	0	コホート	1	1	1	0	1	2	妊娠中の3回の時期に尿中の化学物質を測定し、化学物質間士の相関関係を見ている。疾病との関連はなし。	-
統合_2278	J. F. Fu, Y. Yao, Z. H. Huang, Z. H. Guo, X. X. Tang, X. L. Chen, X. J. Li, Y. M. Ge, B. J. Lu, Y. J. Sha and S. Y. Lu	2024	Gestational Exposure to Endocrine-Disrupting Chemicals of Emerging Concern and the Risk of Developing Gestational Diabetes Mellitus: A Comprehensive Investigation of Sex-Specific and Trimester-Specific Associations	Environ Health (Wash). 2024 Nov 22;23(3):271-281.	10.1021/envhealth.4c00202	40144318	ヒト	生殖発生(妊娠糖尿病)	1	0	コホート	1	1	0	1	1	2	BPA単独での評価はされていない	-
統合_2280	Fazekas-Pongor V, Csáky-Szunyogh M, Fekete M, Mészáros A, Cséh K, Péntzes M.	2021	Congenital heart diseases and parental occupational exposure in a Hungarian case-control study in 1997 to 2002	Congenit Anom (Kyoto). 2021 Mar;61(2):55-62.	10.1111/cga.12401	33140474	ヒト	心血管	0	0	症例対照	1	1	0	1	1	2	BPA単独の曝露指標なし	-
統合_2284	M. H. Fathelbab, E. M. Omar, N. S. El-Sayed, M. A. S. Ahmed, N. A. H. Soliman and R. Said	2025	Study of the interaction of bisphenol A with the expression of P16, interleukin-6, apelin and PPAR gamma genes in patients with type 2 diabetes mellitus	EGYPTIAN JOURNAL OF INTERNAL MEDICINE Vol.37 Issue 1	10.1186/s43162-025-00495-w	-	ヒト	代謝	0	0	横断研究	-	-	-	-	-	適格性基準 不適合	-	-
統合_2287	M. Nehru, P. Subramaniam, M. S. Jancy, P. Durairaj, J. S. Kumar and V. Prabhu	2024	Impact of bisphenol a on the levels of vascular calcification biomarkers in type 2 diabetes mellitus with vascular complications: A case-control study	EMERGING CONTAMINANTS Vol.10 Issue 4	10.1016/j.emcon.2024.100342	-	ヒト	代謝	0	0	横断研究	-	-	-	-	-	適格性基準 不適合	-	-
統合_2292	P. Montazeri, N. Guell-Oumrait, S. Marquez, L. Crugeda, A. Benito, M. Guvens, A. Lertbundi, M. J. Lopez-Espinoza, L. Santa-Marina, J. Sunyer, M. Casas and M. Vrijheid	2023	Prenatal Exposure to Multiple Endocrine-Disrupting Chemicals and Childhood BMI Trajectories in the INMA Cohort Study	Environ Health Perspect. 2023 Oct;131(10):107006.	10.1289/EHP11103	37850789	ヒト	代謝	0	0	コホート	1	1	1	1	1	1	-	-
統合_2296	J. Marchiandi, S. Dagnino, D. Zander-Fox, M. P. Green and B. O. Clarke	2024	Characterization of Chemical Exposome in A Paired Human Preconception Pilot Study	Environ Sci Technol. 2024 Nov 19;58(46):20352-20365.	10.1021/acs.est.4c04356	39508786	ヒト	生殖発生	1	0	コホート	1	1	1	0	1	2	BPA等の曝露実態や体内移行を評価(健康アウトカムとの解析はない)	-
統合_2297	J. Manjournides, E. Zimmerman, D. J. Watkins, T. Carpenito, C. M. Vitez-Vega, G. Huerta-Montañez, Z. Rosario, I. Ayala, C. Vergara, Z. Ferlic, M. Ondras, H. H. Suh, A. Z. Gu, P. Brown, J. F. Cordero, J. D. Meeker and A. Alshawabkeh	2020	Cohort profile: Center for Research on Early Childhood Exposure and Development in Puerto Rico	BMJ Open. 2020 Jul 19;10(7):e036389.	10.1136/bmjopen-2019-036389	32690520	ヒト	発達神経	0	0	Cohort profile	1	1	-	-	-	適格性基準 不適合	コホート研究概要	-
統合_2301	X. L. Lu, T. Xie, M. van Faassen, I. P. Kema, A. P. van Beek, X. J. Xu, X. Huo, L. C. Study, B. H. R. Wolffenbuttel, J. V. van Vliet-Ostapchouk, I. M. Nolte and H. Snieder	2024	Effects of endocrine disrupting chemicals and their interactions with genetic risk scores on cardiometabolic traits	Sci Total Environ. 2024 Mar 1;914:169972.	10.1016/j.scitotenv.2024.169972	38211872	ヒト	心血管	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2305	Z. Y. Liu, C. Wang, S. Y. Huang, X. T. Lu, Z. J. Yang, Q. Y. Lan, B. X. Huang, S. Chen, M. C. Li and H. L. Zhu	2023	Does anti-inflammatory diet mitigate the deleterious effect of bisphenol A on mortality in US adults? Results from NHANES 2003-2016	Ecotoxicology and Environmental Safety, Volume 253, 15 March 2023, 114706	10.1016/j.ecoenv.2023.114706	-	ヒト	一般毒性	0	0	コホート	1	1	1	1	1	1	-	-
統合_2307	S. A. Li, H. Y. Zhu, Y. Y. Chen, Q. H. Cheng, C. Yang, J. F. Liu, J. Jin, Z. W. Li, A. G. Ren and L. L. Wang	2025	Associations of prenatal co-exposure to phthalate metabolites and bisphenols with neural tube defects	ENVIRONMENTAL SCIENCES EUROPE Vol.37 Issue 1	10.1186/s12302-025-01099-5	-	ヒト	発達神経	0	0	症例対照	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2309	J. H. Li, L. X. Zhou, S. Y. Huang, T. T. Duan, J. Y. Xie, X. J. Li, L. J. Deng, C. Y. Zeng, F. R. Jing, S. Zhu, C. Q. Liu, Y. J. Gong, Y. Q. Shu, X. T. Shen and P. Yang	2024	The effect of endocrine-disrupting chemicals in follicular fluid: The insights from oocyte to fertilization	Environ Int. 2024 Sep;191:108957.	10.1016/j.envint.2024.108957	39153387	ヒト	生殖発生	1	0	コホート	1	1	0	1	1	2	BPA検出限界以下	-
統合_2311	X. N. Lei, J. J. Ao, J. J. Li, Y. Gao, J. Zhang, Y. Tian and C. Shanghai Birth	2024	Maternal concentrations of environmental phenols during early pregnancy and behavioral problems in children aged 4 years from the Shanghai Birth Cohort	Sci Total Environ. 2024 Jul 10;933:172985.	10.1016/j.scitotenv.2024.172985	38705299	ヒト	発達神経	0	0	コホート	1	1	1	1	1	1	-	-
統合_2312	J. Lee, Y. Jeong, S. Mok, K. Choi, J. Park, H. B. Moon, G. Choi, H. J. Kim, S. Y. Kim, S. R. Choi and S. Kim	2020	Associations of exposure to phthalates and environmental phenols with gynecological disorders	Reprod Toxicol. 2020 Aug;95:19-28.	10.1016/j.reprotox.2020.04.076	32360183	ヒト	子宮	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2318	S. Kuraoka, M. Oda, T. Ohba, H. Mitsubuchi, K. Nakamura, T. Katoh, E. Japan and J. G. Childrens Study	2024	Association of phenol exposure during pregnancy and asthma development in children: The Japan Environment and Children's study	Environ Pollut. 2024 Nov 15;361:124801.	10.1016/j.envpo.2024.124801	39181305	ヒト	免疫	0	1	コホート	1	1	1	1	1	1	-	1

別添-3 文献評価結果 (疫学)

統合No.		著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_2319		L. Trasande, M. E. Nelson, A. Alshawabkeh, E. S. Barrett, J. P. Buckley, D. Dabelea, A. L. Dunlop, J. B. Herbstman, J. D. Meeker, M. Naidu, C. Newschaffer, A. M. Padula, M. E. Romano, D. M. Ruden, S. Sathyanarayana, S. L. Schantz, A. P. Starling, T. Etzel, G. B. Hamra and N. I. H. E. L. C. HHH	2024	Prenatal Phenol and Paraben Exposures and Adverse Birth Outcomes: A Prospective Analysis of US Births	Environ Int. 2024 Jan;183:108378.	10.1016/j.envint.2023.108378	38181479	ヒト	生殖発生	1	0	コホート	1	1	1	1	1	1	-	1
統合_2322		K. Svensson, C. Hennings, C. Lindh, H. Kiviranta, P. Rantakokko, S. Wikstro and C. G. Bornehag	2024	EDC mixtures during pregnancy and body fat at 7 years of age in a Swedish cohort, the SELMA study	Environ Res. 2024 May 1:248:118293.	10.1016/j.envres.2024.118293	38281561	ヒト	代謝	0	0	コホート	1	1	1	1	1	1	-	-
統合_2324		M. Sun, X. N. Cao, Y. H. Wu, L. J. Shen and G. H. Wei	2022	Prenatal exposure to endocrine-disrupting chemicals and thyroid function in neonates: A systematic review and meta-analysis	Ecotoxical Environ Saf. 2022 Feb;231:113215.	10.1016/j.ecoen.2022.113215	35065506	ヒト	代謝(メタアナリシス, 甲状腺)	0	0	メタアナリシス	1	1	1	1	1	1	-	-
統合_2327		D. R. Stevens, M. Goldberg, M. Adgent, H. B. Chin, D. D. Baird, V. A. Stallings, D. P. Sandler, A. M. Calafat, E. G. Ford, B. S. Zemel, A. Kelly, D. M. Umbach, W. Rogan and K. K. Ferguson	2024	Environmental Phenols and Growth in Infancy: The Infant Feeding and Early Development Study	J Clin Endocrinol Metab. 2024 Nov 18;109(12):3108-3118.	10.1210/clinem.dgae307	38753668	ヒト	代謝	0	0	コホート	1	1	1	1	1	1	-	-
統合_2328		J. Sotelo-Orozco, A. M. Calafat, J. C. Botelho, R. J. Schmidt, I. Hertz-Picciotto and D. H. Bennett	2024	Exposure to endocrine disrupting chemicals including phthalates, phenols, and parabens in infancy: Associations with neurodevelopmental outcomes in the MARBLES study	Int J Hyg Environ Health. 2024 Aug;261:114425.	10.1016/j.ijheh.2024.114425	39047380	ヒト	発達神経	0	0	コホート	1	1	1	1	1	1	-	-
統合_2329		M. H. Soomro, G. E. Mason, J. Y. Liu, A. J. F. Reardon, A. M. Macdonald, D. W. Kinniburgh, J. W. Martin, D. Dewey and A. P. S. Team	2023	Associations between the chemical exposure and pregnancy induced hypertension	Environ Res. 2023 Nov 15;237(Pt 1):116838.	10.1016/j.envres.2023.116838	37544468	ヒト	心血管	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	妊娠中尿中BPAと妊娠高血圧症候群	-
統合_2332		C. M. Sol, S. Santos, L. Duijts, A. G. Asimakopoulou, M. P. Martinez-Moral, K. Kannan, V. W. V. Jaddoe and L. Trasande	2020	Fetal phthalates and bisphenols and childhood lipid and glucose metabolism. A population-based prospective cohort study	Environ Int. 2020 Nov;144:106063.	10.1016/j.envint.2020.106063	32889482	ヒト	代謝	0	0	コホート	1	1	1	1	1	1	-	-
統合_2334		J. R. Shoaib, B. Coull, J. Weuve, D. C. Bellinger, A. M. Calafat, S. L. Schantz and S. A. Korrick	2020	Association of Exposure to Endocrine-Disrupting Chemicals During Adolescence With Attention-Deficit/Hyperactivity Disorder-Related Behaviors	JAMA Netw Open. 2020 Aug 3;3(8):e2015041.	10.1001/jamanetworkopen.2020.15041	32857150	ヒト	発達神経	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2335		V. Shivam, A. Boobalan, S. Nallusamy, K. Ponnusamy, P. Veluchamy and P. M. Siva	2022	Genomic approach to identify association of environmental bisphenol-A (BPA) in daily use plastics as molecular disruptors in breast cancer	Human Gene, Volume 32, May 2022, 101026	10.1016/j.mgen.2022.101026	-	ヒト	発がん	0	0	症例対照	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2339		B. A. Ryva, D. C. Pacyga, K. Y. Anderson, A. M. Calafat, J. Whalen, M. T. Aung, J. C. Gardiner, J. M. Braun, S. L. Schantz and R. S. Strakovsky	2024	Associations of urinary non-persistent endocrine disrupting chemical biomarkers with early-to-mid pregnancy plasma sex-steroid and thyroid hormones	Environ Int. 2024 Jan;183:108433.	10.1016/j.envint.2024.108433	38219543	ヒト	甲状腺	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	曝露(尿中BPA)とアウトカム(血中ホルモン値)の採取時期が人によって前後している。	-
統合_2342		Rivera-Núñez Z, Kinkade CW, Zhang Y, Rockson A, Bandera EV, Llanos AAM, Barrett ES	2022	Phenols, Parabens, Phthalates and Puberty: a Systematic Review of Synthetic Chemicals Commonly Found in Personal Care Products and Girls' Pubertal Development	Curr Environ Health Rep. 2022 Dec;9(4):517-534.	10.1007/s40572-022-00366-4	35867279	ヒト	生殖発生	1	0	システマティックレビュー	1	1	1	1	0	2	-	-
統合_2345		M. Puttabayastappa, M. Banker, L. X. Zang, J. M. Goodrich, S. E. Domino, D. C. Dolinoy, J. D. Meeker, S. Pennathur, P. X. K. Song and V. Padmanabhan	2020	Maternal Exposure to Environmental Disruptors and Sexually Dimorphic Changes in Maternal and Neonatal Oxidative Stress	J Clin Endocrinol Metab. 2020 Feb 1;105(2):492-505.	10.1210/clinem.dgcr063	31613966	ヒト	生殖発生	1	0	コホート	1	1	1	0	1	2	BPA単独での評価なし	-
統合_2350		M. Q. Peng, D. Dabelea, J. L. Adgate, W. Peng, A. M. Calafat, K. Kannan and A. P. Starling	2024	Associations of urinary biomarkers of phthalates, phenols, parabens, and organophosphate esters with glycemic traits in pregnancy: The Healthy Start Study	Environ Res. 2024 Dec 1;262(Pt 1):119810.	10.1016/j.envres.2024.119810	39155036	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2359		J. Oh, K. Kim, K. Kannan, P. J. Parsons, A. Miodnicka, R. J. Schmidt, J. B. Schweitzer, I. Hertz-Picciotto and D. H. Bennett	2024	Early childhood exposure to environmental phenols and parabens, phthalates, organophosphate pesticides, and trace elements in association with attention deficit hyperactivity disorder (ADHD) symptoms in the CHARGE study	Environ Health. 2024 Mar 14;23(1):27.	10.1186/s12940-024-01065-3	38486233	ヒト	発達神経	0	0	症例対照	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2361		Y. Y. Zhang, B. Zhang, H. H. Yang, M. Liu, J. Wang, L. Zhao, W. T. Guo, M. Li, X. F. Lai, L. L. Yang, X. Meng, C. J. Wang, Z. H. Zhang and X. M. Zhang	2025	Associations of endocrine-disrupting chemicals mixtures with serum lipid and glucose metabolism among overweight/obese and normal-weight children: A panel study	Ecotoxical Environ Saf. 2025 Apr 1;294:118077.	10.1016/j.ecoen.2025.118077	40118019	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2363		Y. I. Zanet, E. M. Hashem, M. N. Dessouky, M. H. Megalla and I. S. Dessouky	2023	Study of serum bisphenol-A and the mRNA of galactosidase beta 1 and tumor necrosis factor alpha in Egyptian patients with type 2 diabetes mellitus	EGYPTIAN JOURNAL OF INTERNAL MEDICINE Vol.35 Issue 1	10.1186/s43162-023-00209-0	-	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2365		A. N. Zamora, E. C. Jansen, M. Tamayo-Ortiz, J. M. Goodrich, B. N. S7nchez, D. J. Watkins, J. A. Tamayo-Orozco, M. M. T7llez-Rojo, A. Mercado-Garc7a, A. Baylin, J. D. Meeker and K. E. Peterson	2021	Exposure to Phenols, Phthalates, and Parabens and Development of Metabolic Syndrome Among Mexican Women in Midlife	Front Public Health. 2021 Feb 26;9:620769.	10.3389/fpubh.2021.620769	33718320	ヒト	代謝	0	0	コホート	1	1	1	1	0	2	-	-
統合_2367		L. S. Yoon, A. M. Binder, A. Pereira, A. M. Calafat, J. Shepherd, C. Corral and K. B. Michels	2022	Variability in urinary phthalates, phenols, and parabens across childhood and relation to adolescent breast composition in Chilean girls	Environ Int. 2022 Dec;170:107586.	10.1016/j.envint.2022.107586	36302292	ヒト	発がん	0	0	コホート	1	1	1	1	1	1	-	-
統合_2370		Z. Y. Yang, J. Zhang, M. B. Wang, X. Wang, H. H. Liu, F. Zhang and H. Fan	2024	Prenatal endocrine-disrupting chemicals exposure and impact on offspring neurodevelopment: A systematic review and meta-analysis	Neurotoxicology. 2024 Jul;103:335-357.	10.1016/j.neuro.2024.07.006	39013523	ヒト	発達神経	0	0	メタアナリシス	1	1	0	1	1	2	-	-
統合_2371		P. Yang, J. Y. Xie, S. Y. Huang, X. J. Li, L. J. Deng, J. L. Zhang, L. Chen, N. X. Wu, G. T. Huang, C. Q. Zhou, L. Xiao and X. T. Shen	2023	Cocktail of environmental chemicals and early reproductive outcomes of IVF: The insight from paternal and maternal exposure	J Environ Manage. 2023 Dec 15;348:119462.	10.1016/j.jenman.2023.119462	37925986	ヒト	生殖発生	1	0	コホート	1	1	0	1	1	2	BPA単独での評価はされていない	-

別添-3 文献評価結果 (仮字)

1: 該当, 1: 該当, 0: 該当し 0: 該当し ない ない										信頼性評価 1: 該当, 0: 該当しない		信頼性評価 1: 該当, 0: 該当しない			1: BPAのリスク評価への使用が有用と考えられる文献 2: BPAのリスク評価の上で有用性が低いと考えられる文献 3: 何らかの理由で判断できない文献			1: 該当	
統合No.	著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_2376	A. H. Wu, A. A. Franke and L. R. Wilkens	2021	Risk of breast cancer and prediagnostic urinary excretion of bisphenol A, triclosan and parabens: The Multiethnic Cohort Study (vol 149, pg 1426, 2021)	Int J Cancer. 2021 Oct 1;149(7):1426-1434.	10.1002/ijc.33692	34013527	ヒト	発がん	0	0	nested case-control	1	1	1	1	1	1	コホートで、尿採取後に乳がんを発症した人を調査	-
統合_2378	X. P. Wei, N. Zhang, Q. Q. Zhu, Y. Hu, X. Wang, X. Y. Weng, C. Y. Liao and G. B. Jiang	2024	Exposure to Multiple Endocrine-Disrupting Chemicals and Associations with Female Infertility: A Case-Control Study	Environ Health (Wash). 2024 Sep 3;21(2):902-911.	10.1021/envhea.4c00040	39722846	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	2 適格性基準 不適合	-	-
統合_2383	A. K. R. Vollmar, C. R. Weinberg, D. D. Baird, A. J. Wilcox, A. M. Calafat, N. C. Deziel, C. H. Johnson and A. M. Z. Jukic	2023	Urinary phenol concentrations and fecundability and early pregnancy loss	Hum Reprod. 2023 Jan 5;38(1):139-155.	10.1093/humrep/deac230	36346334	ヒト	生殖発生	1	0	コホート	1	1	0	1	1	2	BPAデータなし	-
統合_2385	C. van ZwiJ-Janssens, L. Trasande, A. G. C. Asimakopoulos, M. P. Martinez-Moral, K. Kannan, E. M. Phillips, F. Rivadeneira, V. W. V. Jaddoe and S. Santos	2020	Fetal exposure to bisphenols and phthalates and childhood bone mass: a population-based prospective cohort study	Environ Res. 2020 Jul;186:109602.	10.1016/j.envres.2020.109602	32668547	ヒト	骨	0	0	コホート	1	1	1	1	1	1	-	-
統合_2387	M. A. van den Dries, A. P. Keil, H. Tiemeier, A. Pronk, S. Spaan, S. Santos, A. G. Asimakopoulos, K. Kannan, R. Gaillard, M. Guxens, L. Trasande, V. W. V. Jaddoe and K. K. Ferguson	2021	Prenatal Exposure to Nonpersistent Chemical Mixtures and Fetal Growth: A Population-Based Study	Environ Health Perspect. 2021 Nov;129(11):117008.	10.1289/EHP9178	34817287	ヒト	生殖発生	1	0	コホート	1	1	0	1	1	3	混合暴露としての評価	-
統合_2388	M. A. van den Dries, K. K. Ferguson, A. P. Keil, A. Pronk, S. Spaan, A. Ghassabian, S. Santos, V. W. V. Jaddoe, L. Trasande, H. Tiemeier and M. Guxens	2021	Prenatal Exposure to Nonpersistent Chemical Mixtures and Offspring IQ and Emotional and Behavioral Problems	Environ Sci Technol. 2021 Dec 21;55(24):16502-16514.	10.1021/acs.est.1c04455	34878787	ヒト	発達神経	0	0	コホート	1	1	1	1	1	1	-	-
統合_2389	C. S. Uldbjerg, T. Koch, Y. H. Lim, L. S. Gregersen, C. S. Olesen, A. M. Andersson, H. Frederiksen, B. A. Coull, R. Hauser, A. Juul and E. BrTuner	2022	Prenatal and postnatal exposures to endocrine disrupting chemicals and timing of pubertal onset in girls and boys: a systematic review and meta-analysis	Hum Reprod Update. 2022 Aug 25;28(5):687-716.	10.1093/humupd/dmac013	35466359	ヒト	生殖発生	1	0	メタアナリシス	1	1	1	1	1	1	-	1
統合_2391	Y. X. Zhao, J. Wang, G. S. Liu, Y. Atai, C. G. Bornehag, W. Liu, Q. H. Zhang, J. J. Huang, P. Z. Sun and Y. X. Sun	2024	The CHECH study: A prospective pregnancy cohort study on CHemical exposure and children's health in Tianjin, China	Hygiene and Environmental Health Advances, Volume 9, March 2024, 100084	10.1016/j.jheha.2023.100084	-	ヒト	一般毒性	0	0	Cohort profile	1	1	-	-	-	2 適格性基準 不適合	-	-
統合_2394	Z. Q. Zhang, M. Xiang, H. H. Yang, W. T. Guo, T. Bai, R. C. Huang, X. M. Zhang and L. L. Yang	2025	Exposure to phenols mixture, oxidative stress, and fasting blood glucose: Association and potential mediation analyses	Free Radic Biol Med. 2025 Jul;234:169-177.	10.1016/j.freeradbiomed.2025.04.024	40253013	ヒト	代謝	0	0	panel study	1	1	1	0	1	2	-	-
統合_2396	小林 遼貴, 宮下 ちひろ, 伊藤 佐智子, 岸 玲子	2023	DOHaD, ライフコースアプローチによる20年に及ぶ 前向き出生コホート研究の成果: 環境と子どもの健康に関する北海道スタディ	DOHaD研2023年 11 巻 2 号 63-95	10.51067/doha.d.11.2_63	-	ヒト	一般毒性	0	0	総説	1	1	-	-	-	2 適格性基準 不適合	レビュー論文。統合_2773, 統合_2774について文中に記載。	-
統合_2405	Dagdeviren Gulsah, Arslan Burak, Keles Ayse, Celik Oezge Yuceel, Arat Oezguer, Caglar Ali Turhan	2023	The evaluation of serum bisphenol A in patients with preeclampsia	J Obstet Gynaecol Res. 2023 May;49(5):1322-1327.	10.1111/jog.15616	36806798	ヒト	生殖発生	1	0	症例対照	1	1	0	1	1	2	-	-
統合_2563	Harley KG et al.	2013	Prenatal and early childhood bisphenol A concentrations and behavior in school-aged children	Environ Res. 2013 Oct;126:43-50.	10.1016/j.envres.2013.06.004	23870093	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2565	Snijder CA et al.	2013	Fetal growth and prenatal exposure to bisphenol A: the generation R study	Environ Health Perspect. 2013 Mar;121(3):393-8.	10.1289/ehp.12.05296	23459363	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2566	Lee et al.	2014	Prenatal bisphenol A and birth outcomes: MOCEH (Mothers and Children's Environmental Health) study	Int J Hyg Environ Health. 2014 Mar;217(2-3):329-34.	10.1016/j.ijheh.2013.07.005	23911140	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2567	Braun JM, Yoltan K, Dietrich KN, Hornung R, Ye X, Calafat AM, et al.	2009	Prenatal bisphenol A exposure and early childhood behavior	Environ Health Perspect. 2009 Dec;117(12):1945-52.	10.1289/ehp.09.00979	20049216	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2568	Braun JM, Kalkbrenner AE, Calafat AM, Yoltan K, Ye X, Dietrich KN, et al.	2011	Impact of early-life bisphenol A exposure on behavior and executive function in children	Pediatrics. 2011 Nov;128(5):873-82.	10.1542/peds.2011-1335	22025598	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2569	Chou WC et al.	2011	Biomonitoring of bisphenol A concentrations in maternal and umbilical cord blood in regard to birth outcomes and adipokine expression: a birth cohort study in Taiwan	Environ Health. 2011 Nov 3;10:94.	10.1186/1476-069X-10-94	22050967	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2570	Cobellis L et al.	2009	Measurement of bisphenol A and bisphenol B levels in human blood sera from healthy and endometriotic women	Biomed Chromatogr. 2009 Nov;23(11):1186-90.	10.1002/bmc.1241	19444800	ヒト	子宮	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2571	Fujimoto YY et al.	2011	Serum unconjugated bisphenol A concentrations in women may adversely influence oocyte quality during in vitro fertilization	Fertil Steril. 2011 Apr;95(5):1816-9.	10.1016/j.fertnstert.2010.11.008	21122836	ヒト	卵巣	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2574	Li DK et al.	2011	Urine bisphenol-A (BPA) level in relation to semen quality	Fertil Steril. 2011 Feb;95(2):629-30.e1-4.	10.1016/j.fertnstert.2010.09.026	21035116	ヒト	精巣	1	0	横断研究	1	1	-	-	-	2 適格性基準 不適合	-	-
統合_2578	Melzer D et al.	2012	Urinary bisphenol A concentration and risk of future coronary artery disease in apparently healthy men and women	Circulation. 2012 Mar 27;125(12):1482-90.	10.1161/CIRCULATIONAHA.111.069153	22354940	ヒト	心血管	0	0	nested case-control	1	1	1	1	1	1	-	-
統合_2580	Miao M et al.	2011	In utero exposure to bisphenol-A and its effect on birth weight of offspring	Reprod Toxicol. 2011 Jul;32(1):64-8.	10.1016/j.reprotox.2011.03.002	21440056	ヒト	生殖発生	1	0	コホート研究	1	1	0	0	1	2	-	-
統合_2581	Miodovnik A et al.	2011	Endocrine disruptors and childhood social impairment	Neurotoxicology. 2011 Mar;32(2):261-7.	10.1016/j.neuro.2010.12.009	21182865	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2583	Perera F et al.	2012	Prenatal bisphenol A exposure and child behavior in an inner-city cohort	Environ Health Perspect. 2012 Aug;120(8):1190-4.	10.1289/ehp.11.04492	22543054	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2584	Philippat C et al.	2012	Exposure to phthalates and phenols during pregnancy and offspring size at birth	Environ Health Perspect. 2012 Mar;120(3):464-70.	10.1289/ehp.11.03634	21900077	ヒト	生殖発生	1	0	症例対照研究	1	1	1	1	1	1	-	1
統合_2586	Wolff MS et al. et al.	2010	Investigation of relationships between urinary biomarkers of phytoestrogens, phthalates, and phenols and pubertal stages in girls	Environ Health Perspect. 2010 Jul;118(7):1039-46.	10.1289/ehp.09.01690	20380833	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2589	Yoltan K et al.	2011	Prenatal exposure to bisphenol A and phthalates and infant neurobehavior	Neurotoxicol Teratol. 2011 Sep-Oct;33(5):558-66.	10.1016/j.ntt.2011.08.003	21854843	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2590	Melzer D et al.	2012	Urinary bisphenol a concentration and angiography-defined coronary artery stenosis	PLoS One. 2012;7(8):e43378.	10.1371/journal.pone.0043378	22916252	ヒト	心血管	0	0	横断研究	1	1	-	-	-	2 適格性基準 不適合	-	-

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適格性評価
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信頼性評価
1 : 該当、 0 : 該当しない

1 : BPAのリスク評価への使用が有用と考えられる文献
2 : BPAのリスク評価の上で有用性が低いと考えられる文献
3 : 何らかの理由で判断できない文献

1 : 該当

統合No.	著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_2591	Mok-Lin E et al.	2010	Urinary bisphenol A concentrations and ovarian response among women undergoing IVF	Int J Androl. 2010 Apr;33(2):385-93.	10.1111/j.1365-2605.2009.01014.x	20002217	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2592	Caserta D et al.	2013	Correlation of Endocrine Disrupting Chemicals Serum Levels and White Blood Cells Gene Expression of Nuclear Receptors in a Population of Infertile Women	Int J Endocrinol. 2013;2013:510703.	10.1155/2013/510703	23710174	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2593	Chen MJ et al.	2013	Association of exposure to phenols and idiopathic male infertility	J Hazard Mater. 2013 Apr 15;250-251:115-21.	10.1016/j.jhazmat.2013.01.061	23435201	ヒト	精巣	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2594	Chen XJ et al.	2013	Parental phenols exposure and spontaneous abortion in Chinese population residing in the middle and lower reaches of the Yangtze River	Chemosphere. 2013 Sep;93(2):217-22.	10.1016/j.chemosphere.2013.04.067	23714150	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2595	Ehrlich S et al.	2013	Urinary bisphenol A concentrations and cytochrome P450 19 A1 (Cyp19) gene expression in ovarian granulosa cells: An in vivo human study	Reprod Toxicol. 2013 Dec;42:18-23.	10.1016/j.reprotox.2013.06.071	23850856	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2596	Louis GMB et al.	2013	Bisphenol A and phthalates and endometriosis: the Endometriosis: Natural History, Diagnosis and Outcomes Study	Fertil Steril. 2013 Jul;100(1):162-9.e1-2.e1	10.1016/j.fertnstert.2013.03.026	23579005	ヒト	子宮	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2597	Donohue KM et al.	2013	Prenatal and postnatal bisphenol a exposure and asthma development among inner-city children	J Allergy Clin Immunol. 2013 Mar;131(3):736-42.	10.1016/j.jaci.2012.12.1573	23452902	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	PDFと当初記載されていた文献情報が異なっていた(事務局に連絡済)	1
統合_2607	Ahmadkhanhi R et al.	2014	Association of urinary bisphenol a concentration with type-2 diabetes mellitus	J Environ Health Sci Eng. 2014 Mar 13;12(1):64.	10.1186/2052-336X-12-64	24625016	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2608	Al-Daghri NM et al.	2017	BPA exposure is related to metabolic changes in obese Saudi children	Int J Clin Exp Pathol. 2017 Sep 1;10(9):9910-9916.	-	31966880	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2609	Andrianou XD et al.	2016	Human Exposures to Bisphenol A, Bisphenol F and Chlorinated Bisphenol A Derivatives and Thyroid Function	PLoS One. 2016 Oct 26;11(10):e0155237.	10.1371/journal.pone.0155237	27783680	ヒト	甲状腺	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2610	Aung MT et al.	2017	Thyroid hormone parameters during pregnancy in relation to urinary bisphenol A concentrations: A repeated measures study	Environ Int. 2017 Jul;104:33-40.	10.1016/j.envint.2017.04.001	28410473	ヒト	甲状腺	0	0	症例対照研究	1	1	0	1	1	2	妊娠中に4回採取した尿中BPA濃度と血中甲状腺ホルモン値との関連(BPA曝露と同時期のホルモン値との関連)をみており、時間的関連性を担保できない。	-
統合_2611	Behnia F et al.	2016	High bisphenol A (BPA) concentration in the maternal, but not fetal, compartment increases the risk of spontaneous preterm delivery	J Matern Fetal Neonatal Med. 2016 Nov;29(22):3583-9.	10.3109/14767058.2016.1139570	26911979	ヒト	生殖(流早産)	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2614	Burstyn I et al.	2013	Maternal Exposure to Bisphenol-A and Fetal Growth Restriction: A Case-Referent Study	Int J Environ Res Public Health. 2013 Dec 11;10(12):7001-14.	10.3390/ijerph10127001	24336026	ヒト	生殖発生	1	0	症例対照研究	1	1	1	1	1	1	-	1
統合_2615	Cantonwine DE et al.	2015	Urinary Bisphenol A Levels during Pregnancy and Risk of Preterm Birth	Environ Health Perspect. 2015 Sep;123(9):895-901.	10.1289/ehp.1408126	25815860	ヒト	生殖(流早産)	1	0	症例対照研究	1	1	1	1	1	1	-	1
統合_2616	Cao YM et al.	2018	The correlation between exposure to BPA and the decrease of the ovarian reserve	Int J Clin Exp Pathol. 2018 Jul 1;11(7):3375-3382.	-	31949714	ヒト、動物	卵巣	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2617	Charisiadis P et al.	2018	Possible Obesogenic Effects of Bisphenols Accumulation in the Human Brain	Sci Rep. 2018 May 29;8(1):8186.	10.1038/s41598-018-26498-y	29844501	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2618	Chen LH et al.	2015	Serum Bisphenol A Concentration and Premature Thelarche in Female Infants Aged 4-month to 2-year	Indian J Pediatr. 2015 Mar;82(3):221-4.	10.1007/s12098-014-1548-7	25120062	ヒト	乳房	1	0	学会抄録	1	1	-	-	-	適格性基準 不適合	-	-
統合_2619	Chen Y et al.	2018	Association between bisphenol a exposure and idiopathic central precocious puberty (ICPP) among school-aged girls in Shanghai, China	Environ Int. 2018 Jun;115:410-416.	10.1016/j.envint.2018.02.041	29650233	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2620	Chevalier N et al.	2015	A negative correlation between insulin-like peptide 3 and bisphenol A in human cord blood suggests an effect of endocrine disruptors on testicular descent during fetal development	Hum Reprod. 2015 Feb;30(2):447-53.	10.1093/humrep/deu340	25527819	ヒト	生殖発生	1	0	症例対照研究	1	1	0	1	1	2	曝露(帯市電のINSL3)とアウトカム(新生児の精巣下降状態)であり、ほぼ同時期。時間的関連性を担保できない。	-
統合_2621	Dallio M et al.	2018	Role of bisphenol A as environmental factor in the promotion of non-alcoholic fatty liver disease: in vitro and clinical study	Aliment Pharmacol Ther. 2018 Mar;47(6):826-837.	10.1111/apt.14499	29322544	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2622	D'Aniello R et al.	2015	Emerging Pathomechanisms Involved in Obesity	J Pediatr Gastroenterol Nutr. 2015 Jan;60(1):113-9.	10.1097/MPG.0000000000000559	25199037	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2623	De Felice B et al.	2015	Genome-wide microRNA expression profiling in placentas from pregnant women exposed to BPA	BMC Med Genomics. 2015 Sep 7;8:56.	10.1186/s12920-015-0131-z	26345457	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2625	Durmaz E et al.	2014	Urinary Bisphenol A Levels in Girls with Idiopathic Central Precocious Puberty	J Clin Res Pediatr Endocrinol. 2014;6(1):16-21.	10.4274/jcrpe.1220	24637305	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2626	Durmaz E et al.	2018	Urinary bisphenol A levels in Turkish girls with premature thelarche	Hum Exp Toxicol. 2018 Oct;37(10):1007-1016.	10.1177/096032718756720	29405766	ヒト	乳房	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2627	Erden ES et al.	2014	Investigation of serum bisphenol A, vitamin D, and parathyroid hormone levels in patients with obstructive sleep apnea syndrome	Endocrine. 2014 Mar;45(2):311-8.	10.1007/s12020-013-0022-z	23904340	ヒト	呼吸器系	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2630	Gascon M et al.	2015	Prenatal exposure to bisphenol A and phthalates and childhood respiratory tract infections and allergy	J Allergy Clin Immunol. 2015 Feb;135(2):370-8.	10.1016/j.jaci.2014.09.030	25445825	ヒト	免疫毒性	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_2631	Gu J et al.	2018	Urinary concentration of personal care products and polycystic ovary syndrome: A case-control study	Environ Res. 2019 Jan;168:48-53.	10.1016/j.envres.2018.09.014	30265948	ヒト	卵巣	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2632	Gulda M et al.	2015	Bisphenol A and congenital developmental defects in humans	Mutat Res. 2015 Apr;774:33-9.	10.1016/j.mrfmm.2015.02.007	25796969	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2633	Hao LX et al.	2016	Effect of bisphenol a on occurrence and progression of prolactinoma and its underlying mechanisms	Am J Transl Res. 2016 Oct 15;8(10):4195-4204.	-	27830003	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2636	Huo WQ et al.	2015	Maternal urinary bisphenol A levels and infant low birth weight: A nested case-control study of the Health Baby Cohort in China	Environ Int. 2015 Dec;85:96-103.	10.1016/j.envint.2015.09.005	26382648	ヒト	生殖(低出生体重)	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2637	Ince T et al.	2018	Urinary bisphenol-A levels in children with type 1 diabetes mellitus	J Pediatr Endocrinol Metab. 2018 Aug 28;31(8):829-836.	10.1515/jpem-2018-0141	29975667	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2639	Jia J et al.	2013	Interactive Effect of Bisphenol A (BPA) Exposure with-22G/C Polymorphism in LOX Gene on the Risk of Osteosarcoma	Asian Pac J Cancer Prev. 2013;14(6):3805-8.	10.7314/apjcp.2013.14.6.3805	23886186	ヒト	発がん	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-

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1: BPAのリスク評価への使用が有用と考えられる文献
2: BPAのリスク評価の上で有用性が低いと考えられる文献
3: 何らかの理由で判断できない文献

1: 該当

統合No.	著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_2640	Kardas F et al.	2016	Increased Serum Phthalates (MEHP, DEHP) and Bisphenol A Concentrations in Children With Autism Spectrum Disorder: The Role of Endocrine Disruptors in Autism Etiopathogenesis	J Child Neurol. 2016 Apr;31(5):629-35.	10.1177/0883073815609150	26450281	ヒト	発達神経	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2641	Komarowska MD et al.	2015	Serum Bisphenol A Level in Boys with Cryptorchidism: A Step to Male Infertility?	Int J Endocrinol. 2015;2015:973154.	10.1155/2015/973154	26491444	ヒト	精巣	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2643	Konieczna A et al.	2018	Serum bisphenol A concentrations correlate with serum testosterone levels in women with polycystic ovary syndrome	Reprod Toxicol. 2018 Dec;82:32-37.	10.1016/j.reprotox.2018.09.006	30266220	ヒト	卵巣	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2646	Landolfi A et al.	2017	Bisphenol A glucuronidation in patients with Parkinson's disease	Neurotoxicology. 2017 Dec;63:90-96.	10.1016/j.neuro.2017.09.008	28939238	ヒト	発達神経	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2648	Leclerc F et al.	2014	Maternal, placental and fetal exposure to bisphenol A in women with and without preeclampsia	Hypertens Pregnancy. 2014 Aug;33(3):341-8.	10.3109/10641955.2014.892607	24724919	ヒト	生殖発生(妊娠)	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2650	Li AJ et al.	2018	Urinary concentrations of environmental phenols and their association with type 2 diabetes in a population in Jeddah, Saudi Arabia	Environ Res. 2018 Oct;166:544-552.	10.1016/j.envre.2018.06.040	29960220	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2651	Li Y et al.	2018	Relationship between bisphenol A exposure and attention-deficit/ hyperactivity disorder: A case-control study for primary school children in Guangzhou, China	Environ Pollut. 2018 Apr;235:141-149.	10.1016/j.envpo.2017.12.056	29276960	ヒト	発達神経	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2652	Lin TJ et al.	2018	Interactions between Bisphenol A exposure and GSTP1 polymorphisms in childhood asthma	Allergy Asthma Immunol Res. 2018 Mar;10(2):172-179.	10.4168/aa.2018.10.2.172	29411558	ヒト	免疫	0	1	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2653	Lv YS et al.	2017	Higher dermal exposure of cashiers to BPA and its association with DNA oxidative damage	Environ Int. 2017 Jan;98:69-74.	10.1016/j.envint.2016.10.001	27729163	ヒト	その他	0	0	介入研究	1	1	1	1	1	1	-	-
統合_2656	Metwally FM et al.	2018	Study of the Effect of Bisphenol A on Oxidative Stress in Children with Autism Spectrum Disorders	Indian J Clin Biochem. 2018 Apr;33(2):196-201.	10.1007/s12291-017-0667-0	29651211	ヒト	発達神経	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2657	Minguez-Alarcón L, Gaskins AJ, Chiu YH, Souter I, Williams PL, Calafat AM, Hauser R, Chavarro JE	2016	Dietary folate intake and modification of the association of urinary bisphenol A concentrations with in vitro fertilization outcomes among women from a fertility clinic	Reprod Toxicol. 2016 Oct;65:104-112.	10.1016/j.reprotox.2016.07.012	27423903	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2659	Nicolucci C et al.	2013	A high selective and sensitive liquid chromatography-tandem mass spectrometry method for quantization of BPA urinary levels in children	Anal Bioanal Chem. 2013 Nov;405(28):9139-48.	10.1007/s00216-013-7342-y	24062141	ヒト	代謝	0	0	症例対照研究	1	1	1	0	1	2	-	-
統合_2660	Omrar GA et al.	2018	Potential hazards of bisphenol A exposure to semen quality and sperm DNA integrity among infertile men	Reprod Toxicol. 2018 Oct;81:188-195.	10.1016/j.reprotox.2018.08.010	30103013	ヒト	精巣	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2661	Özgen IT, Torun E, Bayraktar-Tanyeri B, Durmaz E, Kiliç E, Cesur Y.	2016	The relation of urinary bisphenol A with kisseipent in girls diagnosed with central precocious puberty and premature thelarche	J Pediatr Endocrinol Metab. 2016 Mar;29(3):337-41.	10.1515/jpem-2015-0235	26565542	ヒト	生殖(思春期発達)	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2662	Patel CJ et al.	2014	Investigation of maternal environmental exposures in association with self-reported preterm birth	Reprod Toxicol. 2014 Jun;45:1-7.	10.1016/j.reprotox.2013.12.005	24373932	ヒト	生殖(流早産)	1	0	症例対照研究,横断研究	1	1	1	1	1	1	-	1
統合_2664	Piciu A et al.	2015	Investigation of thyroid nodules in the female population in cyprus and in Romania	Clujul Med. 2015;88(4):494-9.	10.15386/cjmed-518	26733748	ヒト	甲状腺	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2666	Pollack AZ et al.	2015	Bisphenol A, benzophenone-type ultraviolet filters, and phthalates in relation to uterine leiomyoma	Environ Res. 2015 Feb;137:101-7.	10.1016/j.envre.2014.06.028	25531814	ヒト	子宮	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2667	Rahbar MH et al.	2017	Environmental Exposure to Dioxins, Dibenzofurans, Bisphenol A, and Phthalates in Children with and without Autism Spectrum Disorder Living near the Gulf of Mexico	Int J Environ Res Public Health. 2017 Nov 21;14(11):1425.	10.3390/ijerph14111425	29160842	ヒト	発達神経	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2668	Rashidi BH et al.	2017	The association between bisphenol a and polycystic ovarian syndrome: A case-control study	Acta Med Iran. 2017 Dec;55(12):759-764.	-	29373882	ヒト	卵巣	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2669	Reeves KW et al.	2018	Bisphenol-A in breast adipose tissue of breast cancer cases and controls	Environ Res. 2018 Nov;167:735-738.	10.1016/j.envre.2018.08.033	30236518	ヒト	乳がん	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2670	Robledo C et al.	2013	Is bisphenol-A exposure during pregnancy associated with blood glucose levels or diagnosis of gestational diabetes?	J Toxicol Environ Health A. 2013;76(14):865-73.	10.1080/15287394.2013.824395	24053363	ヒト	生殖(妊娠糖尿病)	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2671	Shen Y et al.	2016	Phenolic environmental estrogens in urine and blood plasma from women with uterine leiomyoma: Epidemiological survey	J Obstet Gynaecol Res. 2016 Apr;42(4):440-5.	10.1111/jog.12928	26842765	ヒト	子宮	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2672	Shen Y et al.	2013	Measurement of Phenolic Environmental Estrogens in Women with Uterine Leiomyoma	PLoS One. 2013 Nov 8;8(11):e79838.	10.1371/journal.pone.0079838	24255718	ヒト	子宮	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2673	Shen YP et al.	2015	Higher Urinary Bisphenol A Concentration Is Associated with Unexplained Recurrent Miscarriage Risk: Evidence from a Case-Control Study in Eastern China	PLoS One. 2015 May 26;10(5):e0127886.	10.1371/journal.pone.0127886	26011304	ヒト	生殖(流早産)	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2674	Shu X et al.	2018	Bisphenol A is not associated with a 5-year incidence of type 2 diabetes: a prospective nested case-control study	Acta Diabetol. 2018 Apr;55(4):369-375.	10.1007/s00592-018-1104-4	29387940	ヒト	代謝	0	0	nested case-control	1	1	1	1	1	1	-	-
統合_2675	Simonelli A et al.	2017	Environmental and occupational exposure to bisphenol A and endometriosis: urinary and peritoneal fluid concentration levels	Int Arch Occup Environ Health. 2017 Jan;90(1):49-61.	10.1007/s00420-016-1171-1	27718009	ヒト	子宮	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2676	Song Y et al.	2014	Urinary concentrations of bisphenol A and phthalate metabolites and weight change: a prospective investigation in US women	Int J Obes (Lond). 2014 Dec;38(12):1532-7.	10.1038/ijo.2014.63	24722546	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2677	Stein TP et al.	2015	Bisphenol A Exposure in Children With Autism Spectrum Disorders	Autism Res. 2015 Jun;8(3):272-83.	10.1002/aur.1444	25641946	ヒト	発達神経	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2678	Sun Q et al.	2014	Association of Urinary Concentrations of Bisphenol A and Phthalate Metabolites with Risk of Type 2 Diabetes: A Prospective Investigation in the Nurses' Health Study (NHS) and NHSII Cohorts	Environ Health Perspect. 2014 Jun;122(6):616-23.	10.1289/ehp.1307201	24633239	ヒト	代謝	0	0	症例対照研究	1	1	1	1	1	1	-	-
統合_2679	Trabert B et al.	2014	Urinary bisphenol A-glucuronide and postmenopausal breast cancer in Poland	Cancer Causes Control. 2014 Dec;25(12):1587-93.	10.1007/s10552-014-0461-8	25189422	ヒト	乳がん	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2681	Tse LA et al.	2017	Bisphenol A and other environmental risk factors for prostate cancer in Hong Kong	Environ Int. 2017 Oct;107:1-7.	10.1016/j.envint.2017.06.012	28644961	ヒト	乳がん	0	0	症例対照研究	1	1	1	1	1	3	食事からの摂取推計 a new BPA assessment tool	-
統合_2682	Upton K et al.	2014	A population-based case-control study of urinary bisphenol A concentrations and risk of endometriosis	Hum Reprod. 2014 Nov;29(11):2457-64.	10.1093/humrep/deu227	25205760	ヒト	子宮	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2683	Vagi SJ et al.	2014	Exploring the potential association between brominated diphenyl ethers, polychlorinated biphenyls, organochlorine pesticides, perfluorinated compounds, phthalates, and bisphenol a in polycystic ovary syndrome: a case-control study	BMC Endocr Disord. 2014 Oct 28;14:86.	10.1186/1472-6823-14-86	25348326	ヒト	卵巣	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2684	Vahedi M et al.	2016	Metabolic and endocrine effects of bisphenol A exposure in market seller women with polycystic ovary syndrome	Environ Sci Pollut Res Int. 2016 Dec;23(23):23546-23550.	10.1007/s11356-016-7573-5	27614642	ヒト	卵巣	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-

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統合_2685	van der Meer TP et al.	2017	Distribution of Non-Persistent Endocrine Disruptors in Two Different Regions of the Human Brain	Int J Environ Res Public Health. 2017 Sep 13;14(9):1059.	10.3390/ijerph14091059	28902174	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2686	Velez MP et al.	2015	Female exposure to phenols and phthalates and time to pregnancy: the Maternal-Infant Research on Environmental Chemicals (MIREC) Study	Fertil Steril. 2015 Apr;103(4):1011-1020.e2.	10.1016/j.fertnstert.2015.01.005	25681860	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2689	Xiong QM et al.	2015	Elevated Serum Bisphenol A Level in Patients with Dilated Cardiomyopathy	Int J Environ Res Public Health. 2015 May 19;12(5):5329-37.	10.3390/ijerph120505329	25996886	ヒト	心血管	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2690	Xue JC et al.	2015	Urinary levels of endocrine-disrupting chemicals, including bisphenols, bisphenol A diglycidyl ethers, benzophenones, parabens, and triclosan in obese and non-obese Indian children	Environ Res. 2015 Feb;137:120-8.	10.1016/j.envres.2014.12.007	25531816	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2691	Yang PJ et al.	2018	Breast cancer is associated with methylation and expression of the a disintegrin and metalloproteinase domain 33 (ADAM33) gene affected by endocrineÑdisrupting chemicals	Oncol Rep. 2018 Nov;40(5):2766-2777.	10.3892/or.2018.6675	30226539	ヒト	発がん	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2692	Yang QY et al.	2015	Association of serum levels of typical organic pollutants with polycystic ovary syndrome (PCOS): a case-control study	Hum Reprod. 2015 Aug;30(8):1964-73.	10.1093/humrep/dev123	26040477	ヒト	卵巣	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2693	Ye YZ et al.	2017	Maternal serum bisphenol A levels and risk of pre-eclampsia: a nested case-control study	Eur J Public Health. 2017 Dec 1;27(6):1102-1107.	10.1093/eurpub/ckx148	29186464	ヒト	生殖発生(妊娠)	1	0	症例対照研究	1	1	1	1	1	1	-	1
統合_2694	Youssef MM et al.	2018	Urinary bisphenol A concentrations in relation to asthma in a sample of Egyptian children	Hum Exp Toxicol. 2018 Nov;37(11):1180-1186.	10.1177/096032718758150	29441827	ヒト	免疫	0	1	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2695	Zhang T et al.	2016	Urinary Concentrations of Bisphenols and Their Association with Biomarkers of Oxidative Stress in People Living Near E-Waste Recycling Facilities in China	Environ Sci Technol. 2016 Apr 5;50(7):4045-53.	10.1021/acs.est.6b00032	26974222	ヒト	その他	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2696	Zhou ZZ et al.	2017	Higher urinary bisphenol A concentration and excessive iodine intake are associated with nodular goiter and papillary thyroid carcinoma	Biosci Rep. 2017 Jul 27;37(4):BSR20170678.	10.1042/BSR20170678	28684549	ヒト	甲状腺	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2697	Braun et al.	2012	Variability of Urinary Phthalate Metabolite and Bisphenol A Concentrations before and during Pregnancy	Environ Health Perspect. 2012 May;120(5):739-45.	10.1289/ehp.1104139	22262702	ヒト	その他	0	0	妥当性研究	1	1	1	0	1	2	妊娠前と妊娠中のBPAの比較	-
統合_2698	Alavian-Ghavanini A et al.	2018	Prenatal Bisphenol A Exposure is Linked to Epigenetic Changes in Glutamate Receptor Subunit Gene Grin2b in Female Rats and Humans	Sci Rep. 2018 Jul 27;8(1):11315.	10.1038/s41598-018-29732-9	30054528	ヒト、動物	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2699	Arbuckle TE et al.	2018	Prenatal exposure to phthalates and phenols and infant endocrine-sensitive outcomes: The MIREC study	Environ Int. 2018 Nov;120:572-583.	10.1016/j.envint.2018.08.034	30195175	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2700	Ashley-Martin J et al.	2014	A birth cohort study to investigate the association between prenatal phthalate and bisphenol A exposures and fetal markers of metabolic dysfunction	Environ Health. 2014 Oct 22;13:84.	10.1186/1476-069X-13-84	25336252	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2701	Bae J et al.	2015	Couples' urinary bisphenol A and phthalate metabolite concentrations and the secondary sex ratio	Environ Res. 2015 Feb;137:450-7.	10.1016/j.envres.2014.11.011	25677702	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2703	Bellavia A et al.	2018	Pregnancy urinary bisphenol-A concentrations and glucose levels across BMI categories	Environ Int. 2018 Apr;113:35-41.	10.1016/j.envint.2018.01.012	29421405	ヒト	生殖発生(妊娠糖尿病)	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2704	Berge ELL et al.	2018	Polymer-based dental filling materials placed during pregnancy and risk to the foetus	BMC Oral Health. 2018 Aug 22;18(1):144.	10.1186/s12903-018-0608-1	30134965	ヒト	生殖発生	1	0	コホート研究	1	1	0	1	1	2	-	-
統合_2705	Berger K et al.	2018	Association of Prenatal Urinary Concentrations of Phthalates and Bisphenol A and Pubertal Timing in Boys and Girls	Environ Health Perspect. 2018 Sep;126(9):97004.	10.1289/EHP3424	30203993	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2707	Birks L et al.	2016	Occupational Exposure to Endocrine-Disrupting Chemicals and Birth Weight and Length of Gestation: A European Meta-Analysis	Environ Health Perspect. 2016 Nov;124(11):1785-1793.	10.1289/EHP2016	27152464	ヒト	生殖発生(メタアナリシス)	1	0	メタアナリシス	1	1	1	1	1	1	-	1
統合_2708	Braun JM et al.	2017	Prenatal phthalate, triclosan, and bisphenol A exposures and child visual-spatial abilities	Neurotoxicology. 2017 Jan;58:75-83.	10.1016/j.neuro.2016.11.009	27888119	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2709	Braun JM et al.	2014	Gestational Exposure to Endocrine-Disrupting Chemicals and Reciprocal Social, Repetitive, and Stereotypic Behaviors in 4-and 5-Year-Old Children: The HOME Study	Environ Health Perspect. 2014 May;122(5):513-20.	10.1289/ehp.1307261	24622245	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2710	Braun JM et al.	2014	Early-Life Bisphenol A Exposure and Child Body Mass Index: A Prospective Cohort Study	Environ Health Perspect. 2014 Nov;122(11):1239-45.	10.1289/ehp.1408258	25073184	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2711	Braun JM et al.	2017	Prenatal environmental chemical exposures and longitudinal patterns of child neurobehavior	Neurotoxicology. 2017 Sep;62:192-199.	10.1016/j.neuro.2017.07.027	28736150	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2712	Buckley JP et al.	2016	Prenatal exposure to environmental phenols and childhood fat mass in the Mount Sinai Children's Environmental Health Study	Environ Int. 2016 May;91:350-6.	10.1016/j.envint.2016.03.019	27037776	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2713	Buckley JP et al.	2018	Associations of prenatal environmental phenol and phthalate biomarkers with respiratory and allergic diseases among children aged 6 and 7 years	Environ Int. 2018 Jun;115:79-88.	10.1016/j.envint.2018.03.016	29550712	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_2714	Cantonwine DE et al.	2016	Urinary Concentrations of Bisphenol A and Phthalate Metabolites Measured during Pregnancy and Risk of Preeclampsia	Environ Health Perspect. 2016 Oct;124(10):1651-1655.	10.1289/EHP188	27177253	ヒト	生殖発生(妊娠)	1	0	症例対照研究	1	1	1	1	1	1	-	1
統合_2716	Casas M et al.	2015	Exposure to bisphenol A during pregnancy and child neuropsychological development in the INMA-Sabadell cohort	Environ Res. 2015 Oct;142:671-9.	10.1016/j.envres.2015.07.024	26343751	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2717	Casas M et al.	2016	Exposure to Bisphenol A and Phthalates during Pregnancy and Ultrasound Measures of Fetal Growth in the INMA-Sabadell Cohort	Environ Health Perspect. 2016 Apr;124(4):521-8.	10.1289/ehp.1409190	26196298	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2718	Chavarro JE et al.	2016	Soy Intake Modifies the Relation Between Urinary Bisphenol A Concentrations and Pregnancy Outcomes Among Women Undergoing Assisted Reproduction	J Clin Endocrinol Metab. 2016 Mar;101(3):1082-90.	10.1210/jc.2015-3473	26815879	ヒト	生殖発生	1	0	コホート研究	1	1	1	0	1	2	-	-
統合_2719	Chin HB et al.	2019	Association of urinary concentrations of phthalate metabolites and bisphenol A with early pregnancy endpoints	Environ Res. 2019 Jan;168:254-260.	10.1016/j.envres.2018.09.037	30321738	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2720	Chiu YH et al.	2017	Trimester-Specific Urinary Bisphenol A Concentrations and Blood Glucose Levels Among Pregnant Women From a Fertility Clinic	J Clin Endocrinol Metab. 2017 Apr 1;102(4):1350-1357.	10.1210/jc.2017-00022	28323984	ヒト	生殖発生(妊娠糖尿病)	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2722	Dambkowski CL et al.	2018	Does Urinary Bisphenol-A Change after Bariatric Surgery?	J Am Coll Surg. 2018 Aug;227(2):232-237.	10.1016/j.jamcollsurg.2018.04.033	29753982	ヒト	代謝	0	0	コホート研究	1	1	0	1	0	2	-	-
統合_2723	Ding GD et al.	2017	Prenatal low-level phenol exposures and birth outcomes in China	Sci Total Environ. 2017 Dec 31;607-608:1400-1407.	10.1016/j.scitotenv.2017.07.084	28738530	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-

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適格性評価
1：該当、0：該当しない

信頼性評価
1：該当、0：該当しない

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1：該当

統合No.	著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_2724	Dodge LE et al.	2015	Paternal Urinary Concentrations of Parabens and Other Phenols in Relation to Reproductive Outcomes among Couples from a Fertility Clinic	Environ Health Perspect. 2015 Jul;123(7):665-71.	10.1289/ehp.14.08605	25767892	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2725	Evans SF et al.	2014	Prenatal bisphenol A exposure and maternally reported behavior in boys and girls	Sci Total Environ. 2017 Dec 31;607-608:1400-1407.	10.1016/j.neuro.2014.10.003	25307304	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2726	Ferguson KK et al.	2015	Phthalate metabolites and bisphenol-A in association with circulating angiogenic biomarkers across pregnancy	Placenta. 2015 Jun;36(6):699-703.	10.1016/j.place.2015.04.002	25913709	ヒト	その他	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2727	Ferguson KK et al.	2014	Prenatal and peripubertal phthalates and bisphenol A in relation to sex hormones and puberty in boys	Reprod Toxicol. 2014 Aug;47:70-6.	10.1016/j.reprod.ox.2014.06.002	24945889	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2728	Fisher BG et al.	2018	Serum Phthalate and Triclosan Levels Have Opposing Associations With Risk Factors for Gestational Diabetes Mellitus	Front Endocrinol (Lausanne). 2018 Mar 13;9:99.	10.3389/fendo.2018.00099	29593656	ヒト	生殖(妊娠糖尿病)	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2729	Geens T et al.	2015	Daily intake of bisphenol A and triclosan and their association with anthropometric data, thyroid hormones and weight loss in overweight and obese individuals	Environ Int. 2015 Mar;76:98-105.	10.1016/j.envint.2014.12.003	25575039	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2730	Ghassabian A et al.	2018	Concentrations of perfluoroalkyl substances and bisphenol A in newborn dried blood spots and the association with child behavior	Environ Pollut. 2018 Dec;243(Pt B):1629-1636.	10.1016/j.envpo.2018.09.107	30296759	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2731	Giesbrecht GF et al.	2017	Prenatal bisphenol A exposure and dysregulation of infant hypothalamic-pituitary-adrenal axis function: findings from the APiON cohort study	Environ Health. 2017 May 19;16(1):47.	10.1186/s12940-017-0259-8	28526030	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2732	Giesbrecht GF et al.	2016	Urinary bisphenol A is associated with dysregulation of HPA-axis function in pregnant women: Findings from the APiON cohort study	Environ Res. 2016 Nov;151:689-697.	10.1016/j.envre.s.2016.09.007	27640068	ヒト	腎	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2734	Gonzalez-Casanova I et al.	2018	Prenatal exposure to environmental pollutants and child development trajectories through 7 years	Int J Hyg Environ Health. 2018 May;221(4):616-622.	10.1016/j.ijheh.2018.04.004	29699913	ヒト	発達神経	0	0	コホート研究	1	1	-	-	-	適格性基準 不適合	BPA関係ない	-
統合_2735	Goodrich JM et al.	2016	Adolescent epigenetic profiles and environmental exposures from early life through peri-adolescence	Environ Epigenet. 2016 Aug 14;2(3):dw018.	10.1093/ep/dv w018	29492298	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2736	Hao M et al.	2018	Urinary bisphenol A concentration and the risk of central obesity in Chinese adults: A prospective study	J Diabetes. 2018 Jun;10(6):442-448.	10.1111/1753-0407.12531	28097815	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2737	Hart RJ et al.	2018	The impact of antenatal bisphenol A exposure on male reproductive function at 20-22 years of age	Reprod Biomed Online. 2018 Mar;36(3):340-347.	10.1016/j.rbmo.2017.11.009	29291929	ヒト	精巣	1	0	コホート研究	1	1	1	1	0	2	参加男性の出生後の環境曝露の性質や程度に関するデータがなく、相関係数を示しているだけである	-
統合_2738	Hoepner LA et al.	2016	Bisphenol A and Adiposity in an Inner-City Birth Cohort	Environ Health Perspect. 2016 Oct;124(10):1644-1650.	10.1289/EHP205	27187982	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2739	Hu J et al.	2019	Serum Bisphenol A is an independent risk factor of hyperuricemia: A 6-year prospective study	Semin Arthritis Rheum. 2019 Feb;48(4):644-648.	10.1016/j.sema rthrit.2018.03.009	29650240	ヒト	高尿酸血症	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2740	Hu JB et al.	2015	Serum bisphenol A and progression of type 2 diabetic nephropathy: a 6-year prospective study	Acta Diabetol. 2015 Dec;52(6):1135-41.	10.1007/s00592-015-0801-5	26321107	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2741	Huang YF et al.	2017	Concurrent exposures to nonylphenol, bisphenol A, phthalates, and organophosphate pesticides on birth outcomes: A cohort study in Taipei, Taiwan	Sci Total Environ. 2017 Dec 31;607-608:1126-1135.	10.1016/j.scitot env.2017.07.092	28724251	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2742	Huang YF et al.	2017	Prenatal Nonylphenol and Bisphenol A Exposures and Inflammation Are Determinants of Oxidative/Nitritive Stress: A Taiwanese Cohort Study	Environ Sci Technol. 2017 Jun 6;51(11):6422-6429.	10.1021/acs.est.7b.00601	28490175	ヒト	その他(炎症バイオマーカー)	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2743	Johns LE et al.	2017	Urinary BPA and phthalate metabolite concentrations and plasma vitamin D levels in pregnant women: A repeated measures analysis	Environ Health Perspect. 2017 Aug 31;125(8):087026.	10.1289/EHP1178	28934718	ヒト	その他	0	0	コホート研究	1	1	0	1	1	2	反復測定、断片的に見ているわけではない	-
統合_2744	Jukic AM et al.	2016	Associations with Follicular-Phase Length, Luteal-Phase Length, Fecundability, and Early Pregnancy Loss	Environ Health Perspect. 2016 Mar;124(3):321-8.	10.1289/ehp.14.08164	26161573	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2745	Junge KM et al.	2018	MEST mediates the impact of prenatal bisphenol A exposure on long-term body weight development	Clin Epigenetics. 2018 Apr 20;10:58.	10.1186/s13148-018-0478-z	29721103	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2746	Kasper N et al.	2016	Association of Bisphenol A Exposure with Breastfeeding and Perceived Insufficient Milk Supply in Mexican Women	Matern Child Health J. 2016 Aug;20(8):1713-9.	10.1007/s10995-016-1974-4	27150949	ヒト	その他	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2747	Kasper-Sonnenberg M et al.	2017	Pre-pubertal exposure with phthalates and bisphenol A and pubertal development	PLoS One. 2017 Nov 20;12(11):e0187922.	10.1371/journal.pone.0187922	29155850	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2750	Kim KN et al.	2014	Bisphenol A Exposure and Asthma Development in School-Age Children: A Longitudinal Study	PLoS One. 2014 Oct 30;9(10):e111383.	10.1371/journal.pone.0111383	25356742	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_2751	Kim S et al.	2018	Association between maternal exposure to major phthalates, heavy metals, and persistent organic pollutants, and the neurodevelopmental performances of their children at 1 to 2 years of age- CHECK cohort study	Sci Total Environ. 2018 May 15;624:377-384.	10.1016/j.scitot env.2017.12.058	29258038	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2752	Knez J et al.	2014	Are urinary bisphenol A levels in men related to semen quality and embryo development after medically assisted reproduction?	Fertil Steril. 2014 Jan;101(1):215-221.e5.	10.1016/j.fertns tert.2013.09.030	24182411	ヒト	精巣	1	0	コホート研究	1	1	1	1	1	1	精液から評価するアウトカムを使用した分析は横断	1
統合_2754	Kolatorova L et al.	2018	Exposure to bisphenols and parabens during pregnancy and relations to steroid changes	Environ Res. 2018 May;163:115-122.	10.1016/j.envre s.2018.01.031	29433019	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2755	LaRocca J et al.	2016	First-Trimester Urine Concentrations of Phthalate Metabolites and Phenols and Placenta mRNA Expression in a Cohort of US Women	Environ Health Perspect. 2016 Mar;124(3):380-7.	10.1289/ehp.14.08409	26090578	ヒト	その他	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2756	Lathi RB et al.	2014	Conjugated bisphenol A in maternal serum in relation to miscarriage risk	Fertil Steril. 2014 Jul;102(1):123-8	10.1016/j.fertns tert.2014.03.024	24746738	ヒト	生殖(流早産)	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2757	Lee HA et al.	2013	Effect of Urinary Bisphenol A on Androgenic Hormones and Insulin Resistance in Preadolescent Girls: A Pilot Study from the Ewha Birth & Growth Cohort	Int J Environ Res Public Health. 2013 Nov 11;10(11):5737-49.	10.3390/ijerph1 0115737	24189184	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2759	Lee MR et al.	2015	Association of bisphenol A exposure with overweight in the elderly: a panel study	Environ Sci Pollut Res Int. 2015 Jun;22(12):9370-7.	10.1007/s11356-015-4087-5	25874422	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2760	Lee S et al.	2018	A prospective cohort study of the association between bisphenol A exposure and the serum levels of liver enzymes in children	Environ Res. 2018 Feb;161:195-201.	10.1016/j.envre s.2017.11.007	29156342	ヒト	肝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2761	Lee YM et al.	2018	Prenatal Bisphenol-A exposure affects fetal length growth by maternal glutathione transferase polymorphisms, and neonatal exposure affects child volume growth by sex: From multiregional prospective birth cohort MOCEH study	Sci Total Environ. 2018 Jan 15;612:1433-1441.	10.1016/j.scitot env.2017.08.317	28898950	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1

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統合No.	著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_2762	Lester F et al.	2018	Impact of exposure to phenols during early pregnancy on birth weight in two Canadian cohort studies subject to measurement errors	Environ Int. 2018 Nov;120:231-237.	10.1016/j.envint.2018.08.005	30103122	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2765	Liao SL et al.	2016	Prenatal exposure to bisphenol-A is associated with Toll-like receptor-induced cytokine suppression in neonates	Pediatr Res. 2016 Mar;79(3):438-44.	10.1038/pr.2015.234	26571221	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_2766	Lim YH et al.	2017	Prenatal and postnatal bisphenol A exposure and social impairment in 4-year-old children	Environ Health. 2017 Jul 26;16(1):79.	10.1186/s12940-017-0289-2	28747197	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2767	Lin CC et al.	2017	Prenatal phenolic compounds exposure and neurobehavioral development at 2 and 7 years of age	Sci Total Environ. 2017 Dec 15;605-606:801-810.	10.1016/j.scitotenv.2017.06.160	28683424	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2769	Louis GMB et al.	2018	Endocrine disrupting chemicals in seminal plasma and couple fecundity	Environ Res. 2018 May;163:64-70.	10.1016/j.envres.2018.01.028	29426029	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2770	Louis GMB et al.	2014	Urinary bisphenol A, phthalates, and couple fecundity: the Longitudinal Investigation of Fertility and the Environment (LIFE) Study	Fertil Steril. 2014 May;101(5):1359-66.	10.1016/j.fertnstert.2014.01.022	24534276	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2771	Miao M et al.	2014	LINE-1 hypomethylation in spermatozoa is associated with Bisphenol A exposure	Andrology. 2014 Jan;2(1):138-44.	10.1111/j.2047-2927.2013.00166.x	24293158	ヒト	精巣	1	0	横断研究	1	1	-	-	-	信頼性基準 不適合	-	-
統合_2772	Minatoya M et al.	2018	Association between prenatal bisphenol A and phthalate exposures and fetal metabolic related biomarkers: The Hokkaido study on Environment and Children's Health	Environ Res. 2018 Feb;161:505-511.	10.1016/j.envres.2017.11.052	29223775	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2773	Minatoya M et al.	2017	Cord blood BPA level and child neurodevelopment and behavioral problems: The Hokkaido Study on Environment and Children's Health	Sci Total Environ. 2017 Dec 31;607-608:351-356.	10.1016/j.scitotenv.2017.06.060	28697388	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2774	Minatoya M et al.	2018	Prenatal exposure to bisphenol A and phthalates and behavioral problems in children at preschool age: the Hokkaido Study on Environment and Children's Health	Environ Health Prev Med. 2018 Sep 7;23(1):43.	10.1186/s12199-018-0732-1	30193567	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	フタル酸エステルうちMECPPのみ関連あり	-
統合_2775	Minguez-Alarcon L et al.	2015	Urinary bisphenol A concentrations and association with in vitro fertilization outcomes among women from a fertility clinic	Hum Reprod. 2015 Sep;30(9):2120-8.	10.1093/humrep/dev183	26209788	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2776	Montrose L et al.	2018	Maternal levels of endocrine disrupting chemicals in the first trimester of pregnancy are associated with infant cord blood DNA methylation	Epigenetics. 2018;13(3):301-309.	10.1080/15592294.2018.1448680	29513082	ヒト	その他(DNAメチル化)	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2777	Mustieles V et al.	2018	Bisphenol A and reproductive hormones and cortisol in peripubertal boys: The INIMA-Granada cohort	Sci Total Environ. 2018 Mar 15;618:1046-1053.	10.1016/j.scitotenv.2017.09.093	29100688	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	信頼性基準 不適合	-	-
統合_2778	Mustieles V et al.	2018	Maternal and paternal preconception exposure to bisphenols and size at birth	Hum Reprod. 2018 Aug 1;33(8):1528-1537.	10.1093/humrep/dey234	29982563	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2779	Nakiwala D et al.	2018	In-utero exposure to phenols and phthalates and the intelligence quotient of boys at 5 years	Environ Health. 2018 Feb 20;17(1):17.	10.1186/s12940-018-0359-0	29458359	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	男児に限局した研究	-
統合_2781	Perera F et al.	2016	Bisphenol A exposure and symptoms of anxiety and depression among inner city children at 10-12 years of age	Environ Res. 2016 Nov;151:195-202.	10.1016/j.envres.2016.07.028	27497082	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	third trimesterの曝露測定	-
統合_2782	Perez-Lobato R et al.	2016	Exposure to bisphenol A and behavior in school-age children	Neurotoxicology. 2016 Mar;53:12-19.	10.1016/j.neuro.2015.12.001	26654821	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2783	Perng W et al.	2017	Exposure to phthalates is associated with lipid profile in peripubertal Mexican youth	Environ Res. 2017 Apr;154:311-317.	10.1016/j.envres.2017.01.033	28152472	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2784	Philippat C et al.	2014	Prenatal Exposure to Phenols and Growth in Boys	Epidemiology. 2014 Sep;25(5):625-35.	10.1097/EDE.0000000000000132	25061923	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2785	Philippat C et al.	2017	Prenatal Exposure to Nonpersistent Endocrine Disruptors and Behavior in Boys at 3 and 5 Years	Environ Health Perspect. 2017 Sep 15;125(9):997014.	10.1289/EHP1314	28937960	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2786	Philips EM et al.	2018	First Trimester Urinary Bisphenol and Phthalate Concentrations and Time to Pregnancy: A Population-Based Cohort Analysis	J Clin Endocrinol Metab. 2018 Sep 1;103(9):3540-3547.	10.1210/je.2018-00855	30016447	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2787	Pinney SE et al.	2017	Second trimester amniotic fluid bisphenol A concentration is associated with decreased birth weight in term infants	Reprod Toxicol. 2017 Jan;67:1-9.	10.1016/j.reprotox.2016.11.007	27829162	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2788	Pollack AZ et al.	2018	Exposure to bisphenol A, chlorophenols, benzophenones, and parabens in relation to reproductive hormones in healthy women: A chemical mixture approach	Environ Int. 2018 Nov;120:137-144.	10.1016/j.envint.2018.07.028	30092451	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2789	Roen EL et al.	2015	Bisphenol A exposure and behavioral problems among inner city children at 7-9 years of age	Environ Res. 2015 Oct;142:739-45.	10.1016/j.envres.2015.01.014	25724466	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2790	Romano ME et al.	2015	Gestational urinary bisphenol A and maternal and newborn thyroid hormone concentrations: The HOME Study	Environ Res. 2015 Apr;138:453-60.	10.1016/j.envres.2015.03.003	25794847	ヒト	甲状腺	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2792	Shapiro GD et al.	2015	Exposure to phthalates, bisphenol A and metals in pregnancy and the association with impaired glucose tolerance and gestational diabetes mellitus: The MIREC study	Environ Int. 2015 Oct;83:63-71.	10.1016/j.envint.2015.05.016	26101084	ヒト	生殖発生(妊娠糖尿病)	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2794	Smarr MM et al.	2015	Parental urinary biomarkers of preconception exposure to bisphenol A and phthalates in relation to birth outcomes	Environ Health. 2015 Sep 11;14:73.	10.1186/s12940-015-0060-5	26362861	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2795	Souter I et al.	2013	The association of bisphenol-A urinary concentrations with antral follicle counts and other measures of ovarian reserve in women undergoing infertility treatments	Reprod Toxicol. 2013 Dec;42:224-31.	10.1016/j.reprotox.2013.09.008	24100206	ヒト	卵巣	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2796	Spanier AJ et al.	2014	Bisphenol A Exposure and the Development of Wheeze and Lung Function in Children Through Age 5 Years	JAMA Pediatr. 2014 Dec;168(12):1131-7.	10.1001/jamapediatrics.2014.1397	25286153	ヒト	呼吸器系	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_2797	Stacy SL et al.	2017	Early life bisphenol A exposure and neurobehavior at 8 years of age: Identifying windows of heightened vulnerability	Environ Int. 2017 Oct;107:258-265.	10.1016/j.envint.2017.07.021	28764921	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2798	Sun X et al.	2018	Maternal exposure to bisphenol A and anogenital distance throughout infancy: A longitudinal study from Shanghai, China	Environ Int. 2018 Dec;121(Pt 1):269-275.	10.1016/j.envint.2018.08.055	30223203	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1

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1：該当

統合No.	著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_2802	Tian YP et al.	2018	Association of Bisphenol A Exposure with LINE-1 Hydroxymethylation in Human Semen	Int J Environ Res Public Health. 2018 Aug 17;15(8):1770.	10.3390/ijerph15081770	30126118	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2803	Vafeiadi M et al.	2016	Association of early life exposure to bisphenol A with obesity and cardiometabolic traits in childhood	Environ Res. 2016 Apr;146:379-87.	10.1016/j.envres.2016.01.017	26821262	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2804	Valvi D et al.	2013	Prenatal Bisphenol A Urine Concentrations and Early Rapid Growth and Overweight Risk in the Offspring	Epidemiology. 2013 Nov;24(6):791-9.	10.1097/EDE.0b013e3182a67822	24036610	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2805	Veiga-Lopez A et al.	2015	Gender-Specific Effects on Gestational Length and Birth Weight by Early Pregnancy BPA Exposure	J Clin Endocrinol Metab. 2015 Nov;100(11):E1394-403.	10.1210/jc.2015-1724	26406292	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2806	Vernet C et al.	2017	In Utero Exposure to Select Phenols and Phthalates and Respiratory Health in Five-Year-Old Boys: A Prospective Study	Environ Health Perspect. 2017 Sep 8;125(9):097006.	10.1289/EHP1015	28934727	ヒト	呼吸器系	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_2808	Wang B et al.	2018	Associations of female exposure to bisphenol A with fecundability: Evidence from a preconception cohort study	Environ Int. 2018 Aug;117:139-145.	10.1016/j.envint.2018.05.003	29751163	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2809	Wang H et al.	2017	Urinary sexual steroids associated with bisphenol A (BPA) exposure in the early infant stage: Preliminary results from a Daishan birth cohort	Sci Total Environ. 2017 Dec 1:601-602;1733-1742.	10.1016/j.scitotenv.2017.05.257	28628972	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2810	Wang U et al.	2016	Bisphenol A exposure may increase the risk of development of atopic disorders in children	Int J Hyg Environ Health. 2016 May;219(3):311-6.	10.1016/j.ijheh.2015.12.001	26765087	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	横断と縦断解析が混ざっている	1
統合_2811	Wang Z et al.	2019	Bisphenol A and pubertal height growth in school-aged children	J Expo Sci Environ Epidemiol. 2019 Jan;29(1):109-117.	10.1038/s41370-018-0063-8	30185943	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2812	Watkins DJ et al.	2015	Associations between urinary phenol and paraben concentrations and markers of oxidative stress and inflammation among pregnant women in Puerto Rico	Int J Hyg Environ Health. 2015 Mar;218(2):212-9.	10.1016/j.ijheh.2014.11.001	25435060	ヒト	その他(酸化ストレス)	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2813	Watkins DJ et al.	2016	Maternal phthalate exposure during early pregnancy and at delivery in relation to gestational age and size at birth: A preliminary analysis	Reprod Toxicol. 2016 Oct;65:59-66.	10.1016/j.reprotox.2016.06.021	27352641	ヒト	生殖発生	1	0	コホート研究	1	1	0	1	1	2	フタル酸の暴露による影響評価が論文の主目的	-
統合_2814	Watkins DJ et al.	2016	Relating Phthalate and BPA Exposure to Metabolism in Peripubescence: The Role of Exposure Timing, Sex, and Puberty	J Clin Endocrinol Metab. 2016 Jan;101(1):79-88.	10.1210/jc.2015-2706	26529628	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2815	Watkins DJ et al.	2017	Phthalate and bisphenol A exposure during in utero windows of susceptibility in relation to reproductive hormones and pubertal development in girls	Environ Res. 2017 Nov;159:143-151.	10.1016/j.envres.2017.07.051	28800472	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2816	Watkins DJ et al.	2017	Impact of phthalate and BPA exposure during in utero windows of susceptibility on reproductive hormones and sexual maturation in peripubertal males	Environ Health. 2017 Jun 21;16(1):69.	10.1186/s12940-017-0278-5	28637469	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2817	Watkins DJ et al.	2014	In utero and peripubertal exposure to phthalates and BPA in relation to female sexual maturation	Environ Res. 2014 Oct;134:233-41.	10.1016/j.envres.2014.08.010	25173057	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2818	Wolff MS et al.	2017	Associations of urinary phthalate and phenol biomarkers with menarche in a multiethnic cohort of young girls	Reprod Toxicol. 2017 Jan;67:56-64.	10.1016/j.reprotox.2016.11.009	27851993	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2819	Wolff MS et al.	2015	Environmental phenols and pubertal development in girls	Environ Int. 2015 Nov;84:174-80.	10.1016/j.envint.2015.08.008	26335517	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2820	Woods MM et al.	2017	Gestational exposure to endocrine disrupting chemicals in relation to infant birth weight: a Bayesian analysis of the HOME Study	Environ Health. 2017 Oct 27;16(1):115.	10.1186/s12940-017-0332-3	29078782	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2822	Yang TC et al.	2018	Exposure to Bisphenol A and phthalates metabolites in the third trimester of pregnancy and BMI trajectories	Pediatr Obes. 2018 Sep;13(9):550-557.	10.1111/ipo.12279	29700996	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2823	Yang TC et al.	2017	Bisphenol A and phthalates in utero and in childhood: association with child BMI z-score and adiposity	Environ Res. 2017 Jul;156:326-333.	10.1016/j.envres.2017.03.038	28390300	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2825	Zheng HJ et al.	2017	Genome-wide alteration in DNA hydroxymethylation in the sperm from bisphenol A-exposed men	PLoS One. 2017 Jun 5;12(6):e0178535.	10.1371/journal.pone.0178535	28582417	ヒト	精巣	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2826	Zhou AF et al.	2017	Prenatal exposure to bisphenol A and risk of allergic diseases in early life	Pediatr Res. 2017 Jun;81(6):e51-e56.	10.1038/pr.2017.20	28141789	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_2828	Zhuang WL et al.	2015	Association of Serum Bisphenol-A Concentration and Male Reproductive Function Among Exposed Workers	Arch Environ Contam Toxicol. 2015 Jan;68(1):38-45.	10.1007/s00244-014-0078-7	25213476	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2832	Agay-Shay K et al.	2015	Exposure to Endocrine-Disrupting Chemicals during Pregnancy and Weight at 7 Years of Age: A Multi-pollutant Approach	Environ Health Perspect. 2015 Oct;123(10):1030-7.	10.1289/ehp.140949	25956007	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2834	Akin L et al.	2015	The endocrine disruptor bisphenol A may play a role in the aetopathogenesis of polycystic ovary syndrome in adolescent girls	Acta Paediatr. 2015 Apr;104(4):e171-7.	10.1111/apa.12885	25469562	ヒト	卵巣	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2838	Arbuckle TE et al.	2016	Bisphenol A, phthalates and lead and learning and behavioral problems in Canadian children 6-11 years of age: CHMS 2007-2009	Neurotoxicology. 2016 May;54:89-98.	10.1016/j.neuro.2016.03.014	27021348	ヒト	発達神経	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2839	Ashley-Martin J et al.	2015	Prenatal exposure to phthalates, bisphenol A and perfluoroalkyl substances and cord blood levels of IgE, TSLP and IL-33	Environ Res. 2015 Jul;140:360-8.	10.1016/j.envres.2015.04.010	25913155	ヒト	免疫	0	1	コホート研究	1	1	1	1	1	1	-	1
統合_2841	Bae SY and Y C Hong YC	2015	Exposure to Bisphenol A From Drinking Canned Beverages Increases Blood Pressure Randomized Crossover Trial	Hypertension. 2015 Feb;65(2):313-9.	10.1161/HYPERTENSIONAHA.114.04261	25489056	ヒト	心血管	0	0	無作為化クロスオーバー試験	1	1	1	1	1	1	-	-
統合_2842	Bae SY et al.	2017	Maternal Urinary Bisphenol A Concentration During Midterm Pregnancy and Children's Blood Pressure at Age 4	Hypertension. 2017 Feb;69(2):367-374.	10.1161/HYPERTENSIONAHA.116.08281	27920131	ヒト	心血管	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2843	Barrett ES et al.	2017	First-Trimester Urinary Bisphenol A Concentration in Relation to Anogenital Distance, an Androgen-Sensitive Measure of Reproductive Development, in Infant Girls	Environ Health Perspect. 2017 Jul 1;125(7):077008.	10.1289/EHP875	28728138	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2845	Beydoun HA et al.	2016	Bisphenol-A and Sleep Adequacy among Adults in the National Health and Nutrition Examination Surveys	Sleep. 2016 Feb 1;39(2):467-76.	10.5665/sleep.5466	26446109	ヒト	その他(睡眠)	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2847	Bi YF et al.	2016	Diabetes Genetic Risk Score Modifies Effect of Bisphenol A Exposure on Deterioration in Glucose Metabolism	J Clin Endocrinol Metab. 2016 Jan;101(1):143-50.	10.1210/jc.2015-3039	26523527	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2848	Braun JM et al.	2017	Associations of Prenatal Urinary Bisphenol A Concentrations with Child Behaviors and Cognitive Abilities	Environ Health Perspect. 2017 Jun 16;125(6):067008.	10.1289/EHP984	28657891	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-

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統合_2854	Costas L et al.	2015	Occupational exposure to endocrine disruptors and lymphoma risk in a multi-centric European study	Br J Cancer. 2015 Mar 31;112(7):1251-6.	10.1038/bjc.2015.83	25742473	ヒト	発がん	0	0	症例対照研究	1	1	0	1	1	2	曝露評価が定性的	-
統合_2874	Mailits J et al.	2018	Renal Function and exposure to Bisphenol A and phthalates in children with Chronic Kidney Disease	Environ Res. 2018 Nov;167:575-582.	10.1016/j.envres.2018.08.006	30172191	ヒト	腎	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2879	Miao MH et al.	2015	Associations between Bisphenol A Exposure and Reproductive Hormones among Female Workers	Int J Environ Res Public Health. 2015 Oct 22;12(10):13240-50.	10.3390/ijerph121013240	26506366	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2900	Wan Y et al.	2018	Relationship between maternal exposure to bisphenol S and pregnancy duration	Environ Pollut. 2018 Jul;238:717-724.	10.1016/j.envpol.2018.03.057	29621731	ヒト	生殖発生	1	0	コホート研究	1	1	0	1	1	2	-	-
統合_2906	Kishi R et al.	2017	The Hokkaido Birth Cohort Study on Environment and Children's Health: cohort profile; updated 2017 (環境と子どもの健康に関する北海道出生コホート研究 2017年最新版のコホートプロファイル)(英語)	Environ Health Prev Med. 2017 May 18;22(1):46.	10.1186/s12199-017-0054-3	29165157	ヒト	生殖発生	1	0	コホート研究	1	1	-	-	-	適格性基準 不適合	コホートプロファイルペーパーのため評価対象外とした	-
統合_2909	Caserta D et al.	2013	The influence of endocrine disruptors in a selected population of infertile women	Gynecol Endocrinol. 2013 May;29(5):444-7.	10.3109/09513590.2012.758702	23347089	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2914	清野 み くら	2013	【薬疹・薬物障害】 ビスフェノールA取換薬従事者に生じた白班の2例	皮膚科の臨床(0018-1404)55巻2号 Page159-163(2013.02)	-	-	ヒト	皮膚	0	0	症例報告	1	1	-	-	-	適格性基準 不適合	-	-
統合_2918	Duan Y et al.	2018	Association of urinary concentrations of bisphenols with type 2 diabetes mellitus: A case-control study	Environ Pollut. 2018 Dec;243(Pt B):1719-1726.	10.1016/j.envpol.2018.09.093	30408859	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2920	Li L et al.	2019	Bisphenol A exposure and risk of thyroid nodules in Chinese women: A case-control study	Environ Int. 2019 May;126:321-328.	10.1016/j.envint.2019.02.026	30825751	ヒト	甲状腺	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2921	Kawamoto T et al.	2015	Comparison of IgG against plastic resin in workers with and without chemical dermatitis	BMC Public Health. 2015 Sep 21;15:930.	10.1186/s12889-015-2302-4	26390923	ヒト	皮膚	0	0	症例対照研究	1	1	0	1	1	2	BPA関係ない	-
統合_2923	Trachtenberg FL et al.	2014	Dental composite materials and renal function in children	Br Dent J. 2014 Jan;216(2):E4.	10.1038/sj.bdj.2014.36	24457893	ヒト	腎	0	0	コホート研究	1	1	0	1	1	2	歯科領域の化学物質でBPAの評価なし	-
統合_2926	Vitku J et al.	2018	Endocrine disruptors of the bisphenol and paraben families and bone metabolism	Physiol Res. 2018 Nov 28;67(Suppl 3):S455-S464.	10.33549/physiolres.934005	30484672	ヒト	その他(Ca)	0	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2928	Stahihut RW et al.	2018	Experimental BPA exposure and glucose-stimulated insulin response in adult men and women	J Endocr Soc. 2018 Sep 12;2(10):1173-1187.	10.1210/js.2018-00151	30302422	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2937	Sayıcı IU et al.	2019	Preliminary study on bisphenol A levels and possible exposure history of mother and exclusively breastfed infant pairs	Eur J Pediatr. 2019 Apr;178(4):541-550.	10.1007/s00431-019-03329-4	30707364	ヒト	ADME	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2938	Philippat C et al.	2019	Prenatal Exposure to Select Phthalates and Phenols and Associations with Fetal and Placental Weight among Male Births in the EDEN Cohort (France)	Environ Health Perspect. 2019 Jan;127(1):17002.	10.1289/EHP3523	30624098	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2940	Hu J et al.	2016	Serum bisphenol A as a predictor of chronic kidney disease progression in primary hypertension: a 6-year prospective study	J Hypertens. 2016 Feb;34(2):332-7.	10.1097/HJH.0000000000000780	26628110	ヒト	腎	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2941	Hu Y et al.	2018	The association between the environmental endocrine disruptor bisphenol A and polycystic ovary syndrome: a systematic review and meta-analysis	Gynecol Endocrinol. 2018 May;34(5):370-377.	10.1080/09513590.2017.1405931	29191127	ヒト	卵巣(メタアナリシス)	1	0	メタアナリシス	1	1	1	0	1	2	cross-sectionalの検討のみのメタアナリシス	-
統合_2943	Bonde JP et al.	2016	The epidemiologic evidence linking prenatal and postnatal exposure to endocrine disrupting chemicals with male reproductive disorders: a systematic review and meta-analysis	Hum Reprod Update. 2016 Dec;23(1):104-125.	10.1093/humupd/dmw036	27655588	ヒト	精巣(メタアナリシス)	1	0	メタアナリシス	1	1	1	0	1	2	BPAについてはcross-sectionalの研究のみ含まれている	-
統合_2944	La Rocca C et al.	2018	The LIFE PERSUADED project approach on phthalates and bisphenol A biomonitoring in Italian mother-child pairs linking exposure and juvenile diseases	Environ Sci Pollut Res Int. 2018 Sep;25(25):25618-25625.	10.1007/s11356-018-2660-4	29974441	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2945	Wang B et al.	2019	Urinary bisphenol A concentration and glucose homeostasis in non-diabetic adults: a repeated-measures, longitudinal study	Diabetologia. 2019 Sep;62(9):1591-1600.	10.1007/s00125-019-4898-x	31093692	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2946	Wu S et al.	2019	Urinary bisphenol A and incidence of metabolic syndrome among Chinese men: a prospective cohort study from 2013 to 2017	Occup Environ Med. 2019 Oct;76(10):758-764.	10.1136/oemed-2019-105893	31439688	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2948	Hu CY et al.	2018	The association between prenatal bisphenol A exposure and birth weight: a meta-analysis	Reprod Toxicol. 2018 Aug;79:21-31.	10.1016/j.reprotox.2018.04.013	29709518	ヒト	生殖発生(メタアナリシス)	1	0	メタアナリシス	1	1	1	1	1	1	-	1
統合_2949	Moreira Fernandez MA et al.	2019	Study of possible association between endometriosis and phthalate and bisphenol A by biomarkers analysis	J Pharm Biomed Anal. 2019 Aug 5;172:238-242.	10.1016/j.jpba.2019.04.048	31063881	ヒト	子宮	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2950	Özel Ş et al.	2019	Serum levels of phthalates and bisphenol-A in patients with primary ovarian insufficiency	Gynecol Endocrinol. 2019 Apr;35(4):364-367.	10.1080/09513590.2018.1534951	30638094	ヒト	卵巣	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2951	Arbuckle TE et al.	2016	Processed data for CHMS 2007-2009: Bisphenol A, phthalates and lead and learning and behavioral problems in Canadian children 6-19 years of age	Data Brief. 2016 Jun 22;8:784-802.	10.1016/j.dib.2016.06.017	27500191	ヒト	発達神経	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2952	Jensen TK et al.	2019	Prenatal bisphenol A exposure is associated with language development but not with ADHD-related behavior in toddlers from the Odense Child Cohort	Environ Res. 2019 Mar;170:398-405.	10.1016/j.envres.2018.12.055	30623887	ヒト	発達神経	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2953	Kasper-Sonnenberg M et al.	2014	Phthalate metabolites and bisphenol A in urines from German school-aged children: results of the Duisburg birth cohort and Bochum cohort studies	Int J Hyg Environ Health. 2014 Nov;217(8):830-8.	10.1016/j.ijheh.2014.06.001	24986699	ヒト	発達神経	0	0	コホート研究	1	1	1	0	1	2	曝露評価の研究	-
統合_2955	Pollard SH et al.	2019	Male exposure to bisphenol A (BPA) and semen quality in the Home Observation of Periconceptional Exposures (HOPE) cohort	Reprod Toxicol. 2019 Dec;90:82-87.	10.1016/j.reprotox.2019.08.014	31445078	ヒト	精巣	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2956	Bansal A et al.	2019	In utero bisphenol A exposure is linked with sex specific changes in the transcriptome and methylome of human amniocytes	J Clin Endocrinol Metab. 2020 Feb 1;105(2):453-467.	10.1210/clinem-dga037	31536135	ヒト	代謝	0	0	症例対照研究	1	1	1	0	1	2	-	-
統合_2957	Adesman A et al.	2017	Formula Feeding as a Risk Factor for Attention-Deficit/Hyperactivity Disorder: Is Bisphenol A Exposure a Smoking Gun?	J Dev Behav Pediatr. 2017 Sep;38(7):545-551.	10.1097/DBP.00000000000000468	28727611	ヒト	発達神経	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2959	Mansouri V et al.	2019	Exposure to phthalates and bisphenol A is associated with higher risk of cardiometabolic impairment in normal weight children	Environ Sci Pollut Res Int. 2019 Jun;26(18):18604-18614.	10.1007/s11356-019-05123-z	31055746	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2960	Zhang W et al.	2019	Exposure to Bisphenol A Substitutes and Gestational Diabetes Mellitus: A Prospective Cohort Study in China	Front Endocrinol (Lausanne). 2019 Apr 30;10:262.	10.3389/fendo.2019.00262	31114544	ヒト	生殖(妊娠糖尿病)	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2961	Murphy L et al.	2019	Exposure to bisphenol A and diabetes risk in Mexican women	Environ Sci Pollut Res Int. 2019 Sep;26(25):26332-26338.	10.1007/s11356-019-05731-9	31286379	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-

別添-3 文献評価結果 (仮字)

統合No.	著者名	発行年	タイトル	書誌情報	doi	PMID	動物/ヒト /in vitro/ex vivo/in silico	分野	生殖関連	免疫毒性	コホート研究/症例対照研究/ メタアナリシス	全ての 集団	全ての ばく露経路	曝露測定	アウトカム 測定	統計解析	文献ランク	コメント	情報抽出 対象文献
統合_2962	Wang B et al.	2014	Exposure to bisphenol A among school children in eastern China: a multicenter cross-sectional study	J Expo Sci Environ Epidemiol. 2014 Nov;24(6):657-64.	10.1038/es.2014.36	24866264	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2963	Ji H et al.	2018	Exposure of environmental Bisphenol A in relation to routine sperm parameters and sperm movement characteristics among fertile men	Sci Rep. 2018 Dec 3;8(1):17548.	10.1038/s41598-018-35787-5	30510208	ヒト	精巣	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2964	Liu J et al.	2018	Exposure and dietary sources of bisphenol A (BPA) and BPA-alternatives among mothers in the APiON cohort study	Environ Int. 2018 Oct;119:319-326.	10.1016/j.envint.2018.07.001	29990952	ヒト	その他	0	0	コホート研究	1	1	0	0	1	3	BPAがアウトカム 食事摂取とBPA濃度の関連性を調べている	-
統合_2965	Philips EM et al.	2019	Early pregnancy bisphenol and phthalate metabolite levels, maternal hemodynamics and gestational hypertensive disorders	Hum Reprod. 2019 Feb 1;34(2):365-373.	10.1093/humrep/dey364	30576447	ヒト	心血管	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2966	Martínez MA et al.	2018	Comparing dietary and non-dietary source contribution of BPA and DEHP to prenatal exposure: A Catalonia (Spain) case study	Environ Res. 2018 Oct;166:25-34.	10.1016/j.envres.2018.05.008	29859370	ヒト	ADME	0	0	コホート研究	1	1	0	0	1	3	BPAがアウトカム 食物由来と非食物由来の曝露量の割合を調べている	-
統合_2967	Kim HK et al.	2019	Body fluid concentrations of bisphenol A and their association with in vitro fertilization outcomes	Hum Fertil (Camb). 2021 Jul;24(3):199-207.	10.1080/14647273.2019.1612104	31099279	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2968	Philips EM et al.	2018	Bisphenol and phthalate concentrations and its determinants among pregnant women in a population-based cohort in the Netherlands, 2004-5	Environ Res. 2018 Feb;161:562-572.	10.1016/j.envres.2017.11.051	29245124	ヒト	生殖発生	1	0	コホート研究	1	1	1	0	1	2	-	-
統合_2969	Hu C et al.	2019	Bisphenol A Differentially affects male reproductive function biomarkers in a reference population and agro pesticides users from Djutisa, Cameroon	Environ Sci Technol. 2019 Aug 20;53(16):9876-9883.	10.1021/acs.est.9b02693	31310111	ヒト	心血管(メタアナリシス)	0	0	メタアナリシス	1	1	1	1	1	1	-	-
統合_2970	Manfo FPT et al.	2019	Bisphenol A differentially affects male reproductive function biomarkers in a reference population and agro pesticides users from Djutisa, Cameroon	Toxicol Ind Health. 2019 Apr;35(4):324-335.	10.1177/0748233719838437	30983554	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2971	Rodríguez-Carrillo A et al.	2019	Bisphenol A and cognitive function in school-age boys: Is BPA predominantly related to behavior?	Neurotoxicology. 2019 Sep;74:162-171.	10.1016/j.neuro.2019.06.006	31238050	ヒト	発達神経	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2972	Huang S et al.	2019	Bisphenol A and bisphenol S exposures during pregnancy and gestational age - A longitudinal study in China	Chemosphere. 2019 Dec;237:124426.	10.1016/j.chemosphere.2019.124426	31362131	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	1	1	-	1
統合_2973	Mustieles V et al.	2019	Bisphenol A and adiposity measures in peripubertal boys from the INMA-Granada cohort	Environ Res. 2019 Jun;173:443-451.	10.1016/j.envres.2019.03.045	30974370	ヒト	代謝	0	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2974	Chang CH et al.	2019	Associations between prenatal exposure to bisphenol a and neonatal outcomes in a Taiwanese cohort study: Mediated through oxidative stress?	Chemosphere. 2019 Jul;226:290-297.	10.1016/j.chemosphere.2019.0.3093	30933738	ヒト	生殖発生	1	0	コホート研究	1	1	1	0	1	2	-	-
統合_2975	Chin HB et al.	2019	Association of urinary concentrations of early pregnancy phthalate metabolites and bisphenol A with length of gestation	Environ Health. 2019 Aug 30;18(1):80.	10.1186/s12940-019-0522-2	31470855	ヒト	生殖発生	1	0	コホート研究	1	1	1	1	0	2	-	-
統合_2976	Dalkan C et al.	2020	Association of cord blood bisphenol A (BPA) with cord blood adiponectin, leptin, fetal growth; adiposity and neonatal complications in a newborn cohort	J Matern Fetal Neonatal Med. 2020 Aug;33(15):2588-2593.	10.1080/14767058.2018.1555808	30606068	ヒト	生殖発生	1	0	横断研究	1	1	-	-	-	適格性基準 不適合	-	-
統合_2977	Braun JM et al.	2019	Association between gestational urinary bisphenol a concentrations and adiposity in young children: The MIREC study	Environ Res. 2019 May;172:454-461.	10.1016/j.envres.2019.02.038	30831435	ヒト	代謝	0	0	コホート研究	1	1	1	1	1	1	-	-
統合_2978	Rashidi BH et al.	2017	A case-control study of bisphenol A and endometrioma among subgroup of Iranian women	J Res Med Sci. 2017 Jan 27;22:7.	10.4103/1735-1995.199086	28400829	ヒト	子宮	1	0	症例対照研究	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_2995	Kim JH and Hong YC	2020	Modification of PARP4, XRCC3, and RAD51 gene polymorphisms on the relation between bisphenol A exposure and liver abnormality	Int J Environ Res Public Health. 2020 Apr 17;17(8):2794.	10.3390/ijerph17082794	32316696	ヒト	肝	0	0	panel study	1	1	0	1	1	2	時間的関連性を担保できない	-
統合_3011	Song RH, Wang B, Yao QM, Li Q, Jia X and Zhang JA	2019	The impact of obesity on thyroid autoimmunity and dysfunction: a systematic review and meta-analysis	Front Immunol. 2019 Oct 1;10:2349.	10.3389/fimmu.2019.02349	31681268	ヒト	代謝(メタアナリシス)	0	0	メタアナリシス	1	1	0	0	1	2	-	-
統合_3012	Su KZ, Li YR, Zhang D, Yuan JH, Zhang CS, Liu Y, Song LM, Lin Q, Li MW and Dong J	2019	Relation of circulating resistin to insulin resistance in Type 2 diabetes and obesity: a systematic review and meta-analysis	Front Physiol. 2019 Nov 19;10:1399.	10.3389/fphys.2019.01399	31803062	ヒト	代謝(メタアナリシス)	0	0	メタアナリシス	1	1	0	0	1	2	-	-
統合_3037	Lin M., Hua R., Ma J., Zhou Y., Li P., Xu X., Yu Z., and Quan S	2021	Bisphenol A promotes autophagy in ovarian granulosa cells by inducing AMPK/mTOR/ULK1 signalling pathway	Environ Int. 2021 Feb;147:106298.	10.1016/j.envint.2020.106298	33387880	ヒト、動物、in vitro	卵巣	1	0	コホート	1	1	1	1	1	1	短期間追跡、動物実験も入っている	1
統合_3041	Lupinek C., Hochwallner H., Johansson C., Mie A., Rigler E., Scheynius A., Alm J., and Valenta R	2019	Maternal allergen-specific IgG might protect the child against allergic sensitization	J Allergy Clin Immunol. 2019 Aug;144(2):536-548.	10.1016/j.jaci.2018.11.051	30685457	ヒト	免疫	0	1	コホート	1	1	-	-	-	適格性基準 不適合	BPA関係ない	-
統合_3064	Goodrich, J. M., Ingle, M. E., Domino, S. E., Treadwell, M. C., Dolinoy, D. C., Burant, C., Meeker, J. D., & Padmanabhan, V.	2019	First trimester maternal exposures to endocrine disrupting chemicals and metals and fetal size in the Michigan Mother Infant Pairs study.	J Dev Orig Health Dis. 2019 Aug;10(4):447-458.	10.1017/S204017441800106X	30696509	ヒト	生殖発生	1	0	コホート	1	1	1	1	0	3	パイロット研究	-