



What you need to know about your reproductive health and fertility International Reproductive Health Education Collaboration Teaching resource

This resource has been developed by the European Society for Human Reproduction and Embryology (ESHRE – www.eshre.eu) and the International Reproductive Health Education Collaboration (IRHEC -www.eshre.eu/IRHEC) in collaboration with the International Federation of Gynaecology and Obstetrics (FIGO – www.figo.org) and the International Federation of Fertility Societies (IFFS - https://www.iffsreproduction.org/).

The IRHEC is a multidisciplinary global collaboration dedicated to improving reproductive health education. Our mission is to increase reproductive health awareness using the life course approach, in order to improve reproductive health and facilitate decision-making in family planning among adolescents, people of reproductive age, primary healthcare, education professionals, and policymakers through development, evaluation and dissemination of inclusive educational resources.

We are providing resources and making content to help deliver fertility and reproductive health education. These resources are being co-designed with the target group, mainly young people and you may wish to use these in your lessons.

We have made a fertility education poster which has been translated into many languages and information leaflets which can be obtained from https://www.eshre.eu/irhec.

Information leaflets

Menstrual cycle
Endometriosis
PCOS
Female fertility and age
Male fertility
How to get pregnant
Why some people can't get pregnant
IVF
What is ICSI
Egg freezing
Egg donation

Sperm donation

How to use this resource

The IRHEC has created a PowerPoint presentation about reproductive health and fertility education for teachers who teach sexual and reproductive health. This has been developed after research conducted into the UK school curriculum and with students and teachers in the UK, and subsequent work in Belgium, Greece and Japan. We aim to continuously update and improve the resource. In 2023 the first draft was open for consultation, and we took on board the feedback. We are currently undertaking a study with teachers to determine their views on the resource, so we can improve it. If you have any feedback, please contact joyce.harper@ucl.ac.uk.

The teaching resource is aimed at mixed classes for ages 14-18. We strongly encourage coeducation schools to teach this in mixed classes and not to separate classes by gender.

The topics are split into 10 sections. Teachers are free to edit or delete any slides and use the slides to make their own lesson plans. We do not envisage teachers using the whole powerpoint in one lesson. Maybe they will take 1 or 2 sections, and use these for a lesson plan, with additional resources produced by IRHEC such as the personal story videos, information leaflets and posters. Or using resources produced by others. See https://www.eshre.eu/Specialty-groups/Special-Interest-Groups/Global-and-Socio-cultural-Aspects-of-Infertility/IRHEC/IRHEC Resources

For each Powerpoint slide there are comments with further information to explain the content of the slide. And we have included some questions that you may use to stimulate discussion. We are embarking on a study to see what teachers think about the resource and we will be improving it. Your comments will be very welcome.

The topics are:

Puberty
Menstrual cycle and periods
Fertility
Contraception
STIs
Infertility
Pregnancy
Menopause/andropause
Cancers that affect reproductive organs
Wellbeing and lifestyle

Inclusive language: We have aimed to make this resource as inclusive as possible. We have used the biological terms female and male. We are aware that there are people who menstruate/make eggs/make sperm who are gender diverse. Schools need to determine which is the best wording to use and to edit the slides as they wish.

You may wish to start the lesson with some ground rules, such as confirming the lesson needs to be a safe space to discuss these personal topics, ask the students which terms they would like to use such as female and male, man and women, people who menstruate, people with a womb, ovaries, penis, etc. You may wish to point out that some of the content may be triggering and if they have any concerns, who they should contact. Some of the content may also be triggering for the teachers.

We have not specifically talked about people with disabilities, and you may wish to edit the slides to include this.

In our research, we have found that currently no school covers all of these subjects, but almost all cover puberty, STIs and contraception. In this resource we have therefore not covered these three topics in any detail.

References for the production of this resource:

Ali, R., Zeynep B. Gürtin, Joyce C. Harper, Do fertility tracking applications offer women useful information about their fertile window?, Reproductive BioMedicine Online, Volume 42, Issue 1, 2021, Pages 273-281, ISSN 1472-6483, https://doi.org/10.1016/j.rbmo.2020.09.005.

Biswakarma; R., Maslowski; K., Reiss, MJ., Harper JC (2023) Parenthood intentions in England: A survey of school students aged 16-18 years. Human Fertility (in press)

Broad, A., Rina Biswakarma, and Joyce Harper (2022) Women's experiences of using period tracker applications, SAGE Women's Health https://journals.sagepub.com/doi/full/10.1177/17455057221095246

Delbaere I, De Vos M, Somers S, Condorelli M, Pening D, Bogaerts A, Vandepitte H, Stoop D, Harper J, Mertes H. 'Do I want children later in life?' Reproductive intentions of 1700 adolescents. Eur J Contracept Reprod Health Care. 2024 Jun;29(3):85-92. doi: 10.1080/13625187.2024.2335651. Epub 2024 Apr 29. PMID: 38683752.

Harper, J, Boivin, J, O'Neill, H, Brian, J, Dhingra, J, Dugdale, G, Edwards, G, Emmerson, L, Grace, B. Hadley, A, Hamzic, L., Heathcote, J., Hepburn, J., Hoggart, L., Kisby, F., Mann, S., Norcross, S, Regan, L, Seenan, S. Stephenson, J. Walker, H. Balen, A. (2017) The need to improve fertility awareness. Reproductive Biomedicine and Society Online (2017) 4, 18–20 https://www.sciencedirect.com/science/article/pii/S2405661817300096

Harper, JC, Karin Hammarberg, Mara Simopoulou, Emily Koert, Juliana Pedro, Nathalie Massin, Adam Balen (2021) The International Fertility Education Initiative: Research and action to improve fertility awareness, Human Reproduction Open https://academic.oup.com/hropen/article/2021/4/hoab031/6357711

Harper, J.C., Hepburn, J., Vautier, G., Callander, E., Glasgow, T., Balen, A. and Boivin, J., 2019. Feasibility and acceptability of theatrical and visual art to deliver fertility education to young adults. *Human Fertility*, pp.1-7. https://doi.org/10.1080/14647273.2019.1570354

Harper, JC, Samantha Phillips, Rina Biswakarma, Ephia Yasmin, Sheila, Ertan Saridogan, Melanie Davies, Vikram Talaulikar (2022) Perimenopause – a thematic analysis of education and knowledge and its effect on women's lived experience. SAGE Women's Health, 18. doi: 10.1177/17455057221106890

Harper, JC Juan Sebastián Botero-Meneses, An online survey of UK women's attitudes to having children, the age they want children and the effect of the COVID-19 pandemic, *Human Reproduction*, Volume 37, Issue 11, November 2022, Pages 2611–2622, https://doi.org/10.1093/humrep/deac209

Harper JC, Phillips S, Biswakarma R, et al. An online survey of perimenopausal women to determine their attitudes and knowledge of the menopause. *Women's Health*. 2022;18. doi:10.1177/17455057221106890

Maslowski, K., Rina Biswakarma, Michael J. Reiss & Joyce Harper (2022) Sex and fertility education in England: an analysis of biology curricula and students' experiences, Journal of Biological Education, DOI: 10.1080/00219266.2022.2108103

Maslowski, K., Michael J. Reiss, Rina Biswakarma & Joyce Harper (2023) Reproductive health education in the schools of the four UK nations: is it falling through the gap?, Human Fertility, 26:3, 527-539, DOI: 10.1080/14647273.2023.2216395

Maslowski; M., Biswakarma; R., Reiss; MJ., Harper, JC (2023) What have 16–18-year-olds in England learnt about reproductive health? A survey of school students. Health Education Journal (in press)

Mertes, H., J Harper, J Boivin, M Ekstrand Ragnar, B Grace, M Moura-Ramos, S Rautakallio-Hokkanen, M Simopoulou, K Hammarberg, the International Fertility Education Initiative (IFEI), Stimulating fertility awareness: the importance of getting the language right, *Human Reproduction Open*, 2023;, hoad009, https://doi.org/10.1093/hropen/hoad009

Munn C, Vaughan L, Talaulikar V, Davies MC, Harper JC. Menopause knowledge and education in women under 40: Results from an online survey. *Women's Health*. 2022;18. doi:10.1177/17455057221139660