

EUROCET

European network of Competent Authorities for tissues and cells

Report 2022

Summary of MAR activities Year 2021

Last update - 31/03/2022





Report 2022

This document has been produced by EUROCET with the data collected by Competent Authorities for Medical Assisted Reproduction (MAR) from **16** European Member States (EU MS), and **2** Extra EU countries. (*Appendix I*)

The following report shows calculations regarding the whole donation-processing-distribution-transplantation process in the field of MAR for the **year 2021**. (only for Spain the reference year is 2020)

The data requested is focused only on donation, leaving out procedures such as FET and all data on results. The MAR data is divided into seven sections: one for collecting data on partner donation performed through IUI and IVF/ICSI; one on non-partner donation activities using sperm or oocytes or embryos/zygotes; one on non-partner sperm donation performed through IUI, IVF/ICSI, one on non-partner oocyte donation performed through IVF/ICSI, one on non-partner oocyte and sperm donation performed through IVF/ICSI, one on preservation of reproductive capacity (for social and medical reasons) and a last one on distribution and exchange of non-partner gametes/embryos (commercialisation) using sperm, oocytes and embryos/zygotes.

The glossary (Appendix II) has been updated with definitions from both the "EU directive 24/2003 of the European Parliament and of the Council of 31 March 2004 on setting standards of quality and safety for the donation, procurement, testing, processing, preservation, storage and distribution of human tissues and cells" and the "Guide to the quality and safety of tissues and cells for human application, 3rd Edition, 2017" by the Council of Europe.

Eurocet Team

Italian National Transplant Centre

For a correct interpretation of the values in the tables, please take into account the following legenda:

NA (Not Available): The requested activity id present in the country but the Competent Authority does not collect the data yet.

NE (Not Existing): the Competent Authority is present in the country but there is not the requested activity. **Blank field**: the Competent Authority did not provide any kind of data for this field.



MAR with partner donation

| Partner donation - IUI | | | | | |
|------------------------|----------|-----------------------|--|--|--|
| COUNTRY | Year | N° of couples treated | | | |
| AT | 2021 | | | | |
| BE | | | | | |
| BG | | | | | |
| СН | | | | | |
| CY | | | | | |
| CZ | 2021 | | | | |
| DE | 2021 | | | | |
| DK | 2021 | 4.407 | | | |
| EE | 2021 | | | | |
| ES | 2021 | 8.079 | | | |
| FI | 2021 | | | | |
| FR | | | | | |
| GR | | | | | |
| HR | 2021 | 894 | | | |
| HU | 2021 | 2.682 | | | |
| IE | | | | | |
| IS | | | | | |
| IT | | | | | |
| LT | 2021 | 840 | | | |
| LU | 2021 | 304 | | | |
| LV | 2021 | 165 | | | |
| MD | 2021 | 132 | | | |
| MK | | | | | |
| MT | | | | | |
| NL | 2021 | 12.521 | | | |
| NO | 2021 | 388 | | | |
| PL | | | | | |
| PT | | | | | |
| RO | 2021 | 2.963 | | | |
| SE | 2021 | 499 | | | |
| SI | | | | | |
| SK | 2021 | 2.068 | | | |
| TR | <u>-</u> | | | | |
| UK | | | | | |



| Partner donation - IVF/ICSI | | | | | | | |
|-----------------------------|------|-----------------------------|-----------------------------|--|---|---|---|
| COUNTRY | Year | N° of couples treated | N° of oocytes retrievals | N° of oocyte cryopreservation procedures | N° of sperm cryopreservation procedures | N° of embryos cryopreservation procedures | N° of embryos (or zygotes) transfers (ET) (fresh and frozen) |
| AT | 2021 | | 10.089 | | | | · |
| BE | | | | | | | |
| BG | | | | | | | |
| СН | | | | | | | |
| CY | | | | | | | |
| CZ | 2021 | 9.315 | 11.170 | 46 | | 5.595 | 7.588 |
| DE | 2021 | | | | | | |
| DK | 2021 | 4.253 | 12.179 | 78 | NA | 2.626 | 11.425 |
| EE | 2021 | | | | | | 2.471 |
| ES | 2021 | 34.839 | 41.192 | 6.144 | | 25.767 | 45.342 |
| FI | 2021 | | | | | | 6.820 |
| FR | | | | | | | |
| GR | | | | | | | |
| HR | 2021 | 4.109 | 5.144 | 91 | 175 | 1.834 | 6.338 |
| HU | 2021 | 8.189 | 14.482 | 139 | 594 | 4.420 | 10.527 |
| IE | | | | | | | |
| IS | | | | | | | |
| IT | | | | | | | |
| LT | 2021 | 1.292 | 950 | 27 | 9 | 605 | 1.532 |
| LU | 2021 | 479 | 579 | 1 | 0 | 364 | 883 |
| LV | 2021 | 1.413 | 1.519 | 8 | 10 | 1.191 | 1.632 |
| MD | 2021 | 1.233 | 1.387 | 22 | 319 | 634 | 1.523 |
| MK | | | | | | | |
| MT | | | | | | | |
| NL | 2021 | 13.990 | NA | NA | NA | NA | 26.770 |
| NO | 2021 | 5.500 | 6.788 | 481 | 292 | 3.595 | 8.360 |
| PL | | | | | | | |
| PT | | | | | | | |
| RO | 2021 | 6.678 | 8.894 | | | | 8.641 |
| SE | 2021 | 9.250 | 10.870 | 9.053 | 6.344 | 16.194 | 15.550 |
| SI | | | | | | | |
| SK | 2021 | 3.792 | 4.244 | 86 | 905 | 2.896 | 6.804 |
| TR | | | | | | | |
| UK | | | | | | | |



| Partner donation - TOTAL | | | | | | |
|--------------------------|--|--|--|---|--|---|
| Year | N° of couples treated | N° of oocyte retrievals | N° of oocyte cryopreservation procedures | N° of sperm cryopreservation procedures | N° of embryos cryopreservation procedures | N° of embryos (or zygotes) transfers (ET) (fresh and frozen) |
| 2021 | | 10.089 | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 2021 | 9.315 | 11.170 | 46 | | 5.595 | 7.588 |
| 2021 | | 738.583 | | | | |
| 2021 | 7.837 | 12.179 | 78 | NA | 2.626 | 11.425 |
| 2021 | | | | | | 2.471 |
| 2021 | 42.918 | 41.192 | 6.144 | | 25.767 | 45.342 |
| 2021 | 6.903 | | | | | 6.820 |
| | | | | | | |
| | | | | | | |
| 2021 | 5.003 | 5.144 | 91 | 175 | 1.834 | 6.338 |
| 2021 | 10.871 | 14.482 | 139 | 594 | 4.420 | 10.527 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 2021 | 2.132 | 950 | 27 | 9 | 605 | 1.532 |
| 2021 | | | 1 | | | 883 |
| 2021 | | | 36 | | | 1.828 |
| | | | | | | 1.523 |
| | | | | 5_1 | | |
| | | | | | | |
| 2021 | 26.511 | NA | NA | NA | NA | 26.770 |
| | | | | | | 8.360 |
| | 2.230 | 5 50 | .01 | | 3.333 | 2.500 |
| | | | | | | |
| 2021 | 9.641 | 8.894 | | | | 8.641 |
| - | | | 9.053 | 6.344 | 16.194 | 15.550 |
| | 3., 13 | _0.070 | 3.333 | 3.344 | 10.154 | 13.330 |
| 2021 | 5.860 | 4.244 | 86 | 905 | 2.896 | 6.804 |
| | 3.300 | | 00 | 303 | 2.030 | 0.004 |
| | | | | | | |
| | 2021 2021 2021 2021 2021 2021 2021 2021 | 2021 9.315 2021 7.837 2021 42.918 2021 42.918 2021 5.003 2021 10.871 2021 2.132 2021 783 2021 1.578 2021 1.365 2021 26.511 2021 5.888 2021 9.641 2021 9.749 | Year N° of couples treated N° of oocyte retrievals 2021 10.089 2021 9.315 11.170 2021 738.583 2021 7.837 12.179 2021 42.918 41.192 2021 6.903 5.144 2021 10.871 14.482 2021 783 579 2021 1.578 1.531 2021 1.365 1.387 2021 26.511 NA 2021 5.888 6.788 2021 9.641 8.894 2021 9.749 10.870 | Year N° of couples treated N° of oocyte retrievals N° of oocyte cryopreservation procedures 2021 10.089 46 2021 9.315 11.170 46 2021 7.837 12.179 78 2021 42.918 41.192 6.144 2021 6.903 5.144 91 2021 10.871 14.482 139 2021 783 579 1 2021 1.578 1.531 36 2021 1.365 1.387 22 2021 26.511 NA NA 2021 5.888 6.788 481 2021 9.641 8.894 2021 9.749 10.870 9.053 | Year N° of couples treated N° of oocyte retrievals N° of oocyte cryopreservation procedures N° of sperm cryopreservation procedures 2021 10.089 | Year N° of couples treated N° of ocyte retrievals N° of ocyte cryopreservation procedures N° of sperm cryopreservation procedures N° of embryos cryopreservation procedures 2021 10.089 46 5.595 2021 738.583 738.583 738.583 2021 7.837 12.179 78 NA 2.626 2021 42.918 41.192 6.144 25.767 2021 6.903 70 70 70 70 2021 5.003 5.144 91 175 1.834 2021 10.871 14.482 139 594 4.420 2021 2.132 950 27 9 605 2021 1.578 1.531 36 62 1.191 2021 1.365 1.387 22 319 634 2021 26.511 NA NA NA NA 2021 5.888 6.788 481 292 3.595 2021 9.641 </td |



Non partner donation activities

| | Non Pa | rtner Donation Activities | - SPERM |
|---------|--------|--|---------------------------------------|
| COUNTRY | Year | N° of donors (with actual donation) | N° of donations (sperm collection) |
| AT | 2021 | 116 | 317 |
| BE | | | |
| BG | | | |
| СН | | | |
| CY | | | |
| CZ | 2021 | | |
| DE* | 2021 | | 153.533 |
| DK | 2021 | 1.099 | 28.112 |
| EE | 2021 | 29 | |
| ES | 2021 | | |
| FI | 2021 | 182 | 1.357 |
| FR | | | |
| GR | | | |
| HR | 2021 | 0 | 0 |
| HU | 2021 | 302 | 415 |
| IE | | | |
| IS | | | |
| IT | | | |
| LT | 2021 | 27 | 42 |
| LU | 2021 | NE | NE |
| LV | 2021 | 14 | 48 |
| MD | 2021 | 5 | 5 |
| MK | | | |
| MT | | | |
| NL | 2021 | NA | NA** |
| NO | 2021 | 83 | 421 |
| PL | | | |
| PT | | | |
| RO | 2021 | 52 | |
| SE | 2021 | 1.323 | 2.146 |
| SI | | 1.020 | 2.2.0 |
| SK | 2021 | 61 | 354 |
| TR | | | 33 . |
| UK | | | |

^{*}Partner and Non-partner sperm donation

Non partner donation activities

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^{**} number of processed donor sperm units is 4810.



Non Partner Donation Activities - EMBRYOS/ZYGOTES N° of donation **COUNTRY** Year (sperm/oocytes collection) 2021 ΑT 41 BE BG СН CY CZ 2021 NE DE 2021 DK 2021 EE 2021 ES 2.309 2021 FI 84 2021 FR GR HR 2021 0 HU 2021 157 ΙE IS IT LT 2021 LU 2021 NE LV 2021 2 0 MD 2021 MK MT NL 2021 NA 2021 0 NO PL PT **RO** 2021 24 SE 2021 NE SI SK 2021 129 TR

UK



Non Partner Donation Activities - EMBRYOS/ZYGOTES N° of donation **COUNTRY** Year (sperm/oocytes collection) 2021 ΑT 41 BE BG СН CY CZ 2021 NE DE 2021 DK 2021 EE 2021 ES 2.309 2021 FI 84 2021 FR GR HR 2021 0 HU 2021 157 ΙE IS IT LT 2021 LU 2021 NE LV 2021 2 0 MD 2021 MK MT NL 2021 NA 2021 0 NO PL PT **RO** 2021 24 SE 2021 NE SI SK 2021 129 TR

UK



MAR with non partner SPERM donation

Non Partner SPERM Donation - IUI

| 11011 | i ai tilei o | EKM Bonation - 101 |
|---------|--------------|---|
| COUNTRY | Year | N° of treatment cycles with sperm donation |
| AT | 2021 | 608 |
| BE | | |
| BG | | |
| СН | | |
| CY | | |
| CZ | 2021 | |
| DE | 2021 | |
| DK | 2021 | 6.594 |
| EE | 2021 | |
| ES | 2021 | 11.351 |
| FI | 2021 | 2.954 |
| FR | | |
| GR | | |
| HR | 2021 | 0 |
| HU | 2021 | 135 |
| IE | | |
| IS | | |
| IT | | |
| LT | 2021 | 17 |
| LU | 2021 | 152 |
| LV | 2021 | 87 |
| MD | 2021 | 5 |
| MK | | |
| MT | | |
| NL | 2021 | 9.840 |
| NO | 2021 | 1.339 |
| PL | | |
| PT | | |
| RO | 2021 | 202 |
| SE | 2021 | 544 |
| SI | | |
| SK | 2021 | 70 |
| TR | | |
| UK | | |



Non Partner SPERM Donation - IVF/ICSI N° of embryo or zygote N° of treatment cycles N° of frozen COUNTRY transfers (ET)(fresh Year with sperm donation embryos/zygotes and frozen/cryo) ΑT 2021 630 1.139 BE BG CH CY CZ 2021 724 568 1.366 DE 2021 3.477 1.738 DK 2021 1.904 2021 228 ΕE 363 2021 11.258 ES FI FR GR HR 2021 0 0 0 465 354 394 ΗU 2021 ΙE IS IT 2021 29 59 LT 26 LU 2021 64 85 107 145 296 LV 2021 127 6 8 37 MD 2021 MK MT NL 2021 NA 1.654 3.553 1.081 NO 2021 1.171 1.522 PL PT 2021 RO 336 323 SE 2021 2.023 2.115 2.426 SI SK 2021 172 175 358 TR UK



| Non Partner SPERM Donation - TOTAL | | | | | | | |
|------------------------------------|------|--|---|---------------------------------|--|--|--|
| COUNTRY | Year | N° of treatment cycles with sperm donation | N° of embryo or zygote transfers (ET)(fresh and frozen/cryo) | N° of frozen embryos/zygotes | | | |
| AT | 2021 | 1.238 | | 1.139 | | | |
| BE | | | | | | | |
| BG | | | | | | | |
| CH | | | | | | | |
| CY | | | | | | | |
| CZ | 2021 | 724 | 568 | 1.366 | | | |
| DE | 2021 | | | | | | |
| DK | 2021 | 8.498 | 3.477 | 1.738 | | | |
| EE | 2021 | | 228 | 363 | | | |
| ES | 2021 | 11.351 | 11.258 | | | | |
| FI | 2021 | 2.954 | | | | | |
| FR | | | | | | | |
| GR | | | | | | | |
| HR | 2021 | 0 | 0 | 0 | | | |
| HU | 2021 | 600 | 354 | 394 | | | |
| IE | | | | | | | |
| IS | | | | | | | |
| IT | | | | | | | |
| LT | 2021 | 46 | 26 | 59 | | | |
| LU | 2021 | 216 | 85 | 107 | | | |
| LV | 2021 | 232 | 145 | 296 | | | |
| MD | 2021 | 11 | 8 | 37 | | | |
| MK | | | | | | | |
| MT | | | | | | | |
| NL | 2021 | 9.840 | 1.654 | 3.553 | | | |
| NO | 2021 | 2.420 | 1.171 | 1.522 | | | |
| PL | | | | | | | |
| PT | | | | | | | |
| RO | 2021 | 538 | 323 | | | | |
| SE | 2021 | 2.574 | 2.115 | 2.426 | | | |
| SI | | | - | | | | |
| SK | 2021 | 242 | 175 | 358 | | | |
| TR | | | - | | | | |
| UK | | | | | | | |



MAR with non partner OOCYTE donation

| Non | Partner OOCYT | E Donation - IVI | F/ICSI |
|------|--|---|---|
| Year | N° of treatment cycles with oocyte donation | N° of embryo or zygote transfers (ET)(fresh and frozen/cryo) | N° of frozen embryos/zygotes |
| 2021 | 145 | | 1.104 |
| | | | |
| | | | |
| | | | |
| | | | |
| 2021 | 4.328 | 3.293 | 11.785 |
| 2021 | NE | NE | NE |
| 2021 | 2.632 | 1.838 | 2.356 |
| 2021 | | 212 | 320 |
| 2021 | 34.907 | 27.272 | 33.678 |
| 2021 | | 839 | |
| | | | |
| | | | |
| 2021 | 0 | 0 | 0 |
| 2021 | 37 | 55 | 87 |
| | | | |
| | | | |
| | | | |
| 2021 | 10 | 13 | 54 |
| 2021 | | | NE |
| | 204 | | 678 |
| | | | 60 |
| | | - | |
| | | | |
| 2021 | NA | 408 | 643 |
| | | | 99 |
| | | - | |
| | | | |
| 2021 | 352 | 422 | |
| | | | 1.271 |
| | | 302 | =:27 = |
| 2021 | 379 | 324 | 1.000 |
| | 3.3 | 321 | 2.000 |
| | | | |
| | 2021 2021 2021 2021 2021 2021 2021 2021 | Year N° of treatment cycles with oocyte donation 2021 145 2021 4.328 2021 2.632 2021 34.907 2021 34.907 2021 0 2021 N 2021 3 2021 3 2021 3 2021 3 2021 3 2021 3 2021 3 2021 3 2021 3 | Year N° of freatment cycles with oocyte donation zygote transfers (ET)(fresh and frozen/cryo) 2021 145 2021 4.328 3.293 2021 NE NE 2021 2.632 1.838 2021 212 212 2021 34.907 27.272 2021 0 0 2021 37 55 2021 NE NE 2021 NE NE 2021 204 310 2021 12 9 2021 NA 408 2021 49 23 2021 352 422 2021 706 692 |



MAR with non partner OOCYTE and SPERM donation

Non Partner OOCYTES AND SPERM Donation - IVF/ICSI N° of treatment N° of embryo or zygote N° of frozen COUNTRY cycles with embryo transfers (ET) Year embryos/zygotes donation (fresh and frozen/cryo) 13 35 ΑT 2021 BE BG СН CY CZ 2021 206 145 539 DE 2021 NE NE NE 2021 523 523 43 DK ΕE 2021 38 134 2021 ES 249 FΙ 2021 FR GR HR 2021 0 0 0 4 HU 2021 51 56 ΙE IS IT 2021 NE LT NE NE LU 2021 184 LV 43 128 MD 2021 0 0 0 MK MT 2021 NA 109 636 NL 2021 0 0 0 NO PL PT **RO** 2021 22 23 2021 NE NE NE SE SI SK 2021 124 142 193 TR

UK



Distribution and exchange of NON-PARTNER GAMETES/EMBRYOS

| | Di | stribution and exc | hange | of NO | N PARTNER - SPERM | 1 | |
|---------|------|---|---------------|----------------|--|---------------|----------------|
| COUNTRY | Year | N° of sperm straws distributed TO a foreign country | Inside the EU | Outside the EU | N° of sperm straws received FROM a foreign country | Inside the EU | Outside the EU |
| AT | 2021 | 5 | 5 | 0 | 328 | 328 | 0 |
| BE | | | | | | | |
| BG | | | | | | | |
| СН | | | | | | | |
| CY | | | | | | | |
| CZ | 2021 | | | | | | |
| DE* | 2021 | 1.708 | 854 | 1.129 | 8.758 | 4.379 | 160 |
| DK | 2021 | 73.279.5 | 64.059 | 9.220.5 | 2 | 0 | 2 |
| EE | 2021 | UK | UK | UK | UK | UK | UK |
| ES | | | | | | | |
| FI | 2021 | 0 | 0 | 0 | 860 | 860 | 0 |
| FR | | | | | | | |
| GR | | | | | | | |
| HR | 2021 | 0 | 0 | 0 | 0 | 0 | 0 |
| HU | 2021 | 0 | 0 | 0 | 140 | 139 | 1 |
| IE | | | | | | | |
| IS | | | | | | | |
| IT | | | | | | | |
| LT | 2021 | | | | | | |
| LU | 2021 | 37 | 37 | 0 | | 299 | 0 |
| LV | 2021 | 0 | 0 | 0 | 174 | 174 | 0 |
| MD | 2021 | NE | NE | NE | NE | NE | NE |
| MK | | | | | | | |
| MT | | | | | | | |
| NL | 2021 | 21 | 21 | 0 | | 5.779 | 0 |
| NO | 2021 | 0 | 0 | 0 | 2.327 | 2.327 | 0 |
| PL | | | | | | | |
| PT | | | | | | | |
| RO | 2021 | 10 | 10 | 0 | | 466 | 9 |
| SE | 2021 | 66 | 66 | 0 | 769 | 769 | 0 |
| SI | | | | | | | |
| SK | 2021 | 55 | 55 | | 111 | 111 | |
| TR | | | | | | | |
| UK | | | | | | | |

^{*}Partner and non-partner Page 1 of 3



| | Dist | ribution and exc | hange d | of NON P | ARTNER - OOCY | TES | |
|---------|------|--|---------------|----------------|---|---------------|----------------|
| COUNTRY | Year | N° of oocytes distributed TO a foreign country | Inside the EU | Outside the EU | N° of oocytes received FROM a foreign country | Inside the EU | Outside the EU |
| AT | 2021 | 0 | 0 | 0 | 299 | 299 | 0 |
| BE | | | | | | | |
| BG | | | | | | | |
| СН | | | | | | | |
| CY | | | | | | | |
| CZ | 2021 | | | | | | |
| DE | 2021 | NE | NE | NE | NE | NE | NE |
| DK | 2021 | NA | NA | NA | NA | NA | NA |
| EE | 2021 | UK | UK | UK | UK | UK | UK |
| ES | 2021 | | | | | | |
| FI | 2021 | 0 | 0 | 0 | 928 | 928 | 0 |
| FR | | | | | | | |
| GR | | | | | | | |
| HR | 2021 | 0 | 0 | 0 | 0 | 0 | 0 |
| HU | 2021 | 0 | 0 | 0 | 0 | 0 | 0 |
| IE | | | | | | | |
| IS | | | | | | | |
| IT | | | | | | | |
| LT | 2021 | | | | | | |
| LU | 2021 | 0 | 0 | 0 | 0 | 0 | 0 |
| LV | 2021 | 0 | 0 | 0 | 0 | 0 | 0 |
| MD | 2021 | NE | NE | NE | NE | NE | NE |
| MK | | | | | | | |
| MT | | | | | | | |
| NL | 2021 | NA | NA | NA | 0 | 0 | 0 |
| NO | 2021 | 0 | 0 | 0 | 28 | 28 | 0 |
| PL | | | | | | | |
| PT | | | | | | | |
| RO | 2021 | 89 | 89 | 0 | | 3.594 | 0 |
| SE | 2021 | 31 | 31 | 0 | 611 | 611 | 0 |
| SI | | | | | | | |
| SK | 2021 | 655 | 655 | | 5 | 5 | |
| TR | | | | | | | |
| UK | | | | | | | |



| | Non | Partner Donation | Acti | vities | - EMBRYOS/ZYGOT | ES | |
|---------|------|--|---------------|----------------|---|---------------|----------------|
| COUNTRY | Year | N° of embryos/zygotes distributed TO a foreign country | Inside the EU | Outside the EU | N° of embryos/zygotes received FROM a foreign country | Inside the EU | Outside the EU |
| AT | 2021 | 0 | 0 | 0 | 23 | 23 | 0 |
| BE | | | | | | | |
| BG | | | | | | | |
| СН | | | | | | | |
| CY | | | | | | | |
| CZ | 2021 | | | | | | |
| DE | 2021 | NE | NE | NE | NE | NE | NE |
| DK | 2021 | NA | NA | NA | NA | NA | NA |
| EE | 2021 | UK | UK | UK | UK | UK | UK |
| ES | 2021 | | | | | | |
| FI | 2021 | 0 | 0 | 0 | 0 | 0 | 0 |
| FR | | | | | | | |
| GR | | | | | | | |
| HR | 2021 | 0 | 0 | 0 | 0 | 0 | 0 |
| HU | 2021 | 46 | 38 | 8 | 0 | 0 | 0 |
| IE | | | | | | | |
| IS | | | | | | | |
| IT | | | | | | | |
| LT | 2021 | | | | | | |
| LU | 2021 | 37 | 37 | 0 | 0 | 0 | 0 |
| LV | 2021 | 0 | 0 | 0 | 0 | 0 | 0 |
| MD | 2021 | NE | NE | NE | NE | NE | NE |
| MK | | | | | | | |
| MT | | | | | | | |
| NL | 2021 | 0 | 0 | 0 | 0 | 0 | 0 |
| NO | 2021 | 0 | 0 | 0 | 0 | 0 | 0 |
| PL | | | | | | | |
| PT | | | | | | | |
| RO | 2021 | 0 | 0 | 0 | 0 | 0 | 0 |
| SE | 2021 | 0 | 0 | 0 | 0 | 0 | 0 |
| SI | | | | | | | |
| SK | 2021 | 39 | 39 | | 190 | 190 | |
| TR | | | | | | | |
| UK | | | | | | | |



Preservation of reproductive capacity

| COUNTRY | Year | N° of oocyte cryoopreservation procedures | N° of sperm cryopreservation procedures | N° of patients with ovarian tissue collected | N° of patients with testicular tissue collected |
|---------|------|---|---|--|---|
| AT | 2021 | | | 22 | 30 |
| BE | | | | | |
| BG | | | | | |
| СН | | | | | |
| CY | | | | | |
| CZ | 2021 | | | | |
| DE | 2021 | | | | |
| DK | 2021 | | | | |
| EE | 2021 | | | NE | NE |
| ES | 2021 | 5.480 | 1.060 | 26 | 90 |
| FI | 2021 | | | | |
| FR | | | | | |
| GR | | | | | |
| HR | 2021 | 65 | 343 | 0 | 106 |
| HU | 2021 | 135 | 360 | 6 | 46 |
| IE | | | | | |
| IS | | | | | |
| IT | | | | | |
| LT | 2021 | 30 | 104 | 1 | |
| LU | 2021 | 2 | 152 | 3 | NE |
| LV | 2021 | 75 | 167 | 0 | 2 |
| MD | 2021 | 1 | 10 | 0 | 0 |
| MK | | | | | |
| MT | | | | | |
| NL | 2021 | NA | NA | 654 | 13 |
| NO | 2021 | 283 | 601 | 3 | 5 |
| PL | | | | | |
| PT | | | | | |
| RO | 2021 | 186 | 415 | 0 | 44 |
| SE | 2021 | NA | NA | 28 | 93 |
| SI | | | | | |
| SK | 2021 | 221 | 813 | 0 | 35 |
| TR | | | | | |
| UK | | | | | |



Appendix I

List of countries and Competent Authorities providing data for 2021

| Austria BASG - Bundesamt für Sicherheit im Gesundheitswesen - Federal Office for Safety in Health Care |
|---|
| Belgium |
| Bulgaria |
| Croatia Ministarstvo zdravstva Zavod za transplantaciju i biomedicine Služba za transplantaciju (Ministry of Health and Social Welfare) |
| Cyprus |
| Czechia Ministerstvo zdravotnictví České republiky (MZCR) (Ministry of Health of the Czech Republic) |
| Denmark Styrelsen for patientsikkerhed (STPS) (Danish Patient Safety Authority) |
| Estonia Ravimiamet (Republic of Estonia Agency of Medicines) |
| Finland Lääkealan turvallisuus- ja kehittämiskeskus (FIMEA) (Finnish Medicines Agency) |
| France |
| Germany Paul-Ehrlich-Institut (PEI) (Division of Medical Biotechnology) |
| Greece |
| Hungary Nemzeti Népegészségügyi Központ (National Public Health Center) |
| Iceland |
| Ireland |
| Italy |
| · |

Latvia

Zāļu Valsts Aģentūra (ZVA) (Latvian State Agency of Medicines)



| Lithuania Lietuvos Respublikos Sveikatos Apsaugos Ministerija - Šeimos sveikatos skyrius (SAM) (Health Care Ministry - Family Health Division) |
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| Luxembourg Ministère de la Santé – Direction de la Santé (MS-EATAT) (Ministry of Health) |
| Macedonia |
| Malta |
| Moldova Agenția de Transplant (MD) (The Transplant Agency) |
| Netherlands Ministerie van Volksgezondheid, Welzijn en Sport (MINVWS) (Minister of Health, Welfare and Sport) |
| Norway Helsedirektoratet (HDIR) (The Directorate for Health) |
| Poland |
| Portugal |
| Romania Agentia Nationãla de Transplant (ANT) (National Transplant Agency) |
| Slovakia Ministerestvo zdravotnictva Slovenskej republiky (NTO)(National Transplant Organisation) |
| Slovenia |
| Spain Ministerio de Sanidad, Servicios Sociales e Igualdad (Ministry of Health, Social Services and Equity) |
| Sweden Health and Social Care Inspectorate (IVO) |
| Switzerland |
| Turkey |
| United Kingdom |



Appendix II

Glossary



<u>Actual donation:</u> A donation in which the donated tissue or cells are considered acceptable for human application after all screening and quarantine procedures.



Collection: A process by which tissue or cells are made available.

Couples treated: All couples that initiated a treatment cycle

<u>Cryopreservation:</u> The process of slow freezing or vitrification to preserve biological material (e.g. gametes, zygotes, cleavage-stage embryos, blastocysts or gonadal tissue) at extreme low temperature

Competent Authority (or Health Authority/Regulatory Authority/Regulatory Agency): the body which has been delegated with the responsibility for ensuring that tissue and cell donation, banking and human application are appropriately promoted, regulated and monitored in the interests of donor and patient safety and public transparency on a national or regional basis by their government.



<u>Donation:</u> means donating human tissues or cells intended for human applications.

<u>Donor</u>: An individual, living or deceased, who is a source of tissue, cells or embryos for human application and for other purpose including reasearch, from whom tissue, cells and/or embryos have been retrieved <u>Distribution</u>: Transportation and delivery of tissues, cells and/or embryos to an organization responsible for human application in the EU



<u>Embryo:</u> The biological organism resulting from the development of the zygote, until eight completed weeks after fertilization, equivalent to 10 weeks of gestational age.

Embryo donation: The process by which a woman (or couple) donate embryos to enable another woman (or couple) to conceive.

<u>Embryo Transfer (ET):</u> Placement into the uterus of an embryo at any embryonic stage from day 1 to day 7 after IVF or ICSI. Embryos from day 1 to day three can also be transferred into the Fallopian tube



<u>Fresh Embryo:</u> An embryo at any embryonic stage from day 1 to day 7 after IVF or ICSI, in the absence of cryopreservation.

<u>Frozen Embryo:</u> A cryopreserved embryo at any embryonic stage from day 1 to day 7 after IVF or ICSI.



Frozen Tissue: A cryopreserved tissue.



Human Application: The use of tissues or cells on or in a human recipient.

<u>Human tissues and cells for human application</u>: Material containing or consisting of human tissues and/or cells intended for implantation, transplantation, infusion, or transfer into a human recipient.



<u>Intracytoplasmic sperm injection (ICSI):</u> A procedure in which a single spermatozoon is injected into the oocyte cytoplasm.

<u>In Vitro Fertilisation (IVF)</u>: Medically assisted reproduction procedure that involves extracorporeal fertilization. It includes in vitro insemination and intracitoplasmatic sperm injection.

<u>Intra Uterine Insemination (IUI)</u>: A procedure in which laboratory processed sperm are placed in the uterus to attempt a pregnancy.



Medically assisted reproduction (MAR): Reproduction brought about through various interventions that includes in vitro handling of both human oocytes and sperm, or of embryos, for the purpose of treating different forms of fertility impairment and infertility. These include, but are not limited to, ovulation induction, ovarian stimulation, ovulation triggering, intra-uterine, intracervical and intravaginal insemination with semen of husband/partner or donor, in vitro fertilization, embryo transfer and intracytoplasmatic sperm injection.



Non Partner donation: Donation of reproductive cells between a man and a woman who do not have an intimate physical relationship; also called 'third party donation'.



Oocyte: The female gamete (egg).

<u>Ovarian tissue:</u> Tissue surgically excised from the ovary with the intention of preserving reproductive capacity.



<u>Partner donation</u>: Donation of reproductive cells between a man and a woman who declare that they have an intimate physical relationship.

Procurement: means a process by which tissue or cells are made available;





Retrieval or Recovery: see Procurement



Sperm: The male gamete cell. Here used as the ensemble of all spermatozoa in the ejaculate.

<u>Straw:</u> Small storage device used for the cryogenic storage.



<u>Tissue</u>: All constituent parts of the human body formed by cells.

<u>Tissue Establishment:</u> A tissue bank or a unit of a hospital or another body where activities of processing, preservation, storage or distribution of human tissues and cells are undertaken. It may also be responsible for procurement and/or testing of tissues and cells.

<u>Tissue donation (effective):</u> When tissue intended for human application is retrieved from a human body.

<u>Testicular tissue:</u> Tissue surgically excised from the testis with the intention of preserving reproductive capacity.

<u>Transplantation/implantation/grafting:</u> Transfer (engraftment) of human tissues or cells from a donor to a recipient with the aim of restoring function(s) in the body.

<u>Treatment cycle:</u> A cycle in which the woman receives specific medication for ovarian stimulation or in which cycle monitoring is carried out with the intention to treat, irrespective of whether or not insemination is performed, follicular aspiration is attempted in an ovarian stimulation cycle or whether egg(s) or embryo (s) are thawed or transferred in a frozen embryo transfer (FET) cycle.



<u>Unique donation number:</u> The unique number attributed to a specific donation of tissues and cells in line with the system in place in each Member State for allocating such numbers, as further specified in Annex VII to Commission Directive (EU) 2015/565.



Zygote: A single cell resulting from fertilization of a mature oocyte by a spermatozoon and before completion of the first mitotic division.