

| Sex | Category | Where | Event | Time | Wind | Name | Relay Team | Born | Venue | Date | Other |
|-------|----------|---------|---------------|-----------|------|--|----------------------|----------|-----------------|-------------|-------|
| Women | U20 | Outdoor | 100m | 11.31 | 1.0 | Rhasidat Adeleke | | 29.08.02 | Manhattan, USA | 15.05.21 | |
| Women | U20 | Outdoor | 200m | 22.90 | 0.1 | Rhasidat Adeleke | | 29.08.02 | Tallinn, EST | 17.07.21 | |
| Women | U20 | Outdoor | 400m | 52.57 | | Davicia Patterson | | 15.12.00 | Geneva SUI | 15.06.19 | |
| Women | U20 | Outdoor | 800m | 2.02.76 | | Sarah Healy | | 13.02.01 | Belfast | 23.06.18 | |
| Women | U20 | Outdoor | 1500m | 4.07.45 | | Ciara Mageean | | 12.03.92 | Birmingham, ENG | 20.08.11 | |
| Women | U20 | Outdoor | 3000m | 9.01.52 | | Sonia O'Sullivan | | 28.11.69 | Mardyke | 07.07.87 | |
| Women | U20 | Outdoor | 5000m | 16.07.55 | | Fiona Hawkins | | 02.07.03 | Azusa, USA | 14.04.22 | |
| Women | U20 | Outdoor | 10000m | 33.45.79 | | Aisling Ryan | | 15.12.69 | Oregon, USA | 05.06.88 | |
| Women | U20 | Outdoor | 100m H | 13.34 | 1.3 | Sarah Lavin | | 28.05.94 | Rieti, ITA | 20.07.13 | |
| Women | U20 | Outdoor | 400m H | 59.00 | | Nessa Cooper Millet | | 05.12.94 | Santry | 28.07.13 | |
| Women | U20 | Outdoor | 3000m S/C | 10.21.00 | | Linda Byrne | | 13.05.86 | Kaunas, LTH | 24.07.05 | |
| Women | U20 | Outdoor | High Jump | 1.90m | | Sommer Lecky | | 14.06.00 | Tampere, FIN | 15.07.18 | |
| Women | U20 | Outdoor | Long Jump | 6.68m | 1.9 | Elizabeth Ndudi | | 21.03.05 | Champaign, USA | 13.04.24 | TBC |
| Women | U20 | Outdoor | Triple Jump | 12.63m | 1.7 | Caoimhe King | | 29.05.92 | Tullamore | 26.06.11 | |
| Women | U20 | Outdoor | Pole Vault | 3.90m | | Ellen McCartney | | 08.10.99 | Manchester, ENG | 05.08.18 | |
| Women | U20 | Outdoor | Shot | 16.13m | | Michaela Walsh | | 17.12.98 | Bedford, ENG | 17.06.17 | |
| Women | U20 | Outdoor | Discus | 49.32m | | Anna Gavigan | | 19.05.04 | Tullamore | 02.07.23 | |
| Women | U20 | Outdoor | Hammer | 63.01m | | Michaela Walsh | | 17.12.98 | Tullamore | 01.07.17 | |
| Women | U20 | Outdoor | Javelin | 52.92m | | Kate O'Connor | | 12.12.00 | Boras, SWE | 19.07.19 | |
| Women | U20 | Outdoor | 4x100m | 43.90 | | Molly Scott, Gina Akpe-Moses, Ciara Neville, Patience Jumbo-Gula | National Junior Team | n/a | Tampere, FIN | 14.07.18 | |
| Women | U20 | Outdoor | 4x100m (Club) | 46.93 | | Mairead Murphy, Ciara Giles-Doran, Niamh Whelan, Kelly Proper | Ferrybank AC | n/a | Santry | 29.07.06 | |
| Women | U20 | Outdoor | 4x400m | 3:37.39 | | Lauren McCourt, Caoimhe Cronin, Maeve O'Neill, Rhasidat Adeleke | National Team | n/a | Tallinn, EST | 18.07.21 | |
| Women | U20 | Outdoor | 4x400m (Club) | 3:51.53 | | Aisling Stratford, Laura Kelly, Niamh Murphy, Aimee Doherty | Ratoath A.C. | n/a | Santry | 25.06.23 | |
| Mixed | U20 | Outdoor | 4x400m (Club) | 3:34.65 | | Darragh Masterson, Loclainn Harris, Aisling Stratford, Laura Kelly | Ratoath A.C. | n/a | Rieti, ITA | 16.09.23 | |
| Women | U20 | Outdoor | 3000m Walk | 12.18.86 | | Kate Veale | | 05.01.94 | Tullamore | 23.07.11 | |
| Women | U20 | Outdoor | 5000m Walk | 21.30.18 | | Kate Veale | | 05.01.94 | Santry | 06.08.11 | |
| Women | U20 | Outdoor | 10,000m Walk | 47:55.40 | | Orla O'Connor | | 04.06.00 | Tampere, FIN | 14.07.18 | |
| Women | U20 | Outdoor | 10k Walk Rd. | 46.32 | | Kate Veale | | 05.01.94 | Olhão, POR | 21.05.11 | |
| Women | U20 | Outdoor | 20k Walk Rd. | 1:39.48 | | Ann Loughnane | | 08.04.86 | Phoenix Park | 17.12.05 | |
| Women | U20 | Outdoor | Heptathlon | 6,093 pts | | Kate O'Connor | | 12.12.00 | Boras, SWE | 18/19.07.19 | |