

| Sex | Category | Where | Event | Time | Wind | Name | Relay Team | Born | Venue | Date | Note |
|-------|----------|---------|---------------|----------|------|---|-----------------|----------|------------------------|-----------|-------|
| Men | Senior | Outdoor | 100m | 10.17 | 0.1 | Israel Olatunde | | 29.05.02 | Munich, GER | 16.08.22 | |
| Men | Senior | Outdoor | 200m | 20.30 | 0.1 | Paul Hession | | 27.01.83 | Santry | 21.07.07 | |
| Men | Senior | Outdoor | 300m | 32.47 | | Paul Hession | | 27.01.83 | Ostrava, CZE | 12.06.08 | |
| Men | Senior | Outdoor | 400m | 44.77 | | David Gillick | | 09.07.83 | Madrid, ESP | 04.07.09 | |
| Men | Senior | Outdoor | 600m | 1.15.71 | | Mark English | | 18.03.93 | Amsterdam, NED | 05.09.15 | |
| Men | Senior | Outdoor | 800m | 1.44.71 | | Mark English | | 18.03.93 | Castellon, SPA | 29.06.21 | |
| Men | Senior | Outdoor | 1000m | 2.16.40 | | Luke McCann | | 12.03.98 | Monte Carlo, MON | 10.08.22 | |
| Men | Senior | Outdoor | 1500m | 3.33.5 | | Ray Flynn | | 22.01.57 | Oslo, NOR | 07.07.82 | |
| Men | Senior | Outdoor | Mile | 3.49.77 | | Ray Flynn | | 22.01.57 | Oslo, NOR | 07.07.82 | |
| Men | Senior | Outdoor | 2000m | 4.55.06 | | Marcus O'Sullivan | | 22.12.61 | Nice, FRA | 10.07.96 | |
| Men | Senior | Outdoor | 3000m | 7.30.36 | | Mark Carroll | | 15.01.72 | Monte Carlo, MON | 04.08.99 | |
| Men | Senior | Outdoor | 5000m | 13.03.53 | | Alistair Cragg | | 13.06.80 | Brussels, BEL | 16.09.11 | |
| Men | Senior | Outdoor | 10000m | 27.39.55 | | Alistair Cragg | | 13.06.80 | Palo Alto, USA | 29.04.07 | |
| Men | Senior | Outdoor | Marathon | 2.09.15 | | John Treacy | | 04.06.57 | Boston, USA | 18.04.88 | aided |
| Men | Senior | Outdoor | Marathon | 2.09.49 | | Stephen Scullion | | 09.11.88 | London, ENG | 04.10.20 | |
| Men | Senior | Outdoor | 110m H | 13.30 | 0.6 | Peter Coghlan | | 27.03.75 | Hechtel, BEL | 07.08.99 | |
| Men | Senior | Outdoor | 400m H | 47.97 | | Thomas Barr | | 24.07.92 | Rio de Janeiro, BRA | 18.08.16 | |
| Men | Senior | Outdoor | 3000m S/c | 8.24.09 | | Brendan Quinn | | 26.07.60 | Brussels, BEL | 30.08.85 | |
| Men | Senior | Outdoor | High Jump | 2.30m | | Adrian O'Dwyer | | 01.12.83 | Algiers, ALG | 24.06.04 | |
| Men | Senior | Outdoor | Long Jump | 8.07m | 1.4 | Ciaran McDonagh | | 20.05.76 | La Chaux-de-Fonds, SUI | 21.08.05 | |
| Men | Senior | Outdoor | Triple Jump | 15.89m | | Colm Cronin | | 14.06.57 | Copenhagen, DEN | 26.06.77 | |
| Men | Senior | Outdoor | Pole Vault | 5.36m | | Brian McGovern | | 12.09.90 | Tempe, USA | 23.03.13 | |
| Men | Senior | Outdoor | Shot | 20.66m | | Eric Favors | | 16.11.96 | Leira, POR | 12.03.23 | |
| Men | Senior | Outdoor | Discus | 67.89m | | Nick Sweeney | | 26.03.68 | Helsingborg, SWE | 04.09.98 | |
| Men | Senior | Outdoor | Hammer | 77.80m | | Declan Hegarty | | 12.10.60 | Walnut, USA | 28.04.85 | |
| Men | Senior | Outdoor | Javelin | 82.75m | | Terry McHugh | | 22.08.63 | London, ENG | 05.08.00 | |
| Men | Senior | Outdoor | 56lbs Dist. | 9.16m | | John Menton | | 07.05.70 | Santry | 02.07.98 | |
| Men | Senior | Outdoor | 56lbs Height | 4.93m | | Gerry O'Connell | | - | Tullamore | 19.07.86 | |
| Men | Senior | Outdoor | 4x100m | 39.26 | | John McAduffy, Gary Ryan, Tom Comyns, Paul Brizzel | National Team | n/a | Sydney, AUS | 29.09.00 | |
| Men | Senior | Outdoor | 4x100m (Club) | 40.89 | | Darren Hough, David Finegan, Eugene Farrell, David Power | Dublin City Hrs | n/a | Tullamore | 13.08.00 | |
| Mixed | Senior | Outdoor | 4x400m | 3.12.88 | | Cillin Greene, Phil Healy, Sophie Becker, Christopher O'Donnell | National Team | n/a | Toyko, JPN | 31.07.21 | |
| Men | Senior | Outdoor | 4x400m | 3.01.26 | | Brian Gregan, Brian Murphy, Thomas Barr, Mark English | National Team | n/a | Beijing, CHN | 29.08.15 | |
| Men | Senior | Outdoor | 4x400m (Club) | 3.10.59 | | Jason Harvey, Eoin Mulhall, Steven Colvert, Richard Morrissey | Crusaders AC | n/a | Morton Stadium | 08.07.12 | |
| Men | Senior | Outdoor | 3000m Walk | 11.11.94 | | Robert Heffernan | | 28.02.78 | Cork | 02.07.13 | |
| Men | Senior | Outdoor | 5000m Walk | 18.59.37 | | Robert Heffernan | | 28.02.78 | Barcelona, ESP | 30.06.07 | |
| Men | Senior | Outdoor | 10,000m Walk. | 38.27.57 | | Robert Heffernan | | 28.02.78 | Santry | 21.07.08 | |
| Men | Senior | Outdoor | 10k Walk Rd. | 39.15 | | Robert Heffernan | | 28.02.78 | La Coruña, ESP | 17.09.11 | |
| Men | Senior | Outdoor | 20,000m Walk | 1.23.51 | | Bobby O'Leary | | 19.06.67 | Santry | 14.07.91 | |
| Men | Senior | Outdoor | 20k Walk Rd. | 1.19.22 | | Robert Heffernan | | 28.02.78 | Cheboksary, RUS | 10.05.08 | |
| Men | Senior | Outdoor | 30k Walk Rd. | 2.07.48 | | Robert Heffernan | | 28.02.78 | Cork | 30.01.11 | |
| Men | Senior | Outdoor | 50k Walk | 3.37.54 | | Robert Heffernan | | 28.02.78 | London, ENG | 11.08.12 | |
| Men | Senior | Outdoor | Decathlon | 7,882pts | | Carlos O'Connell | | 21.06.63 | Emmitsburg, USA | 4/5.06.88 | |
| Men | Senior | Outdoor | 1 Hour | 19625m | | John Treacy | | 04.06.57 | Monte Carlo, MON | 19.09.87 | |