|  | Quantitative (N=134) | Qualitative (N=46) | Mixed Methods (N=102) | NA (N=1) | Overall (N=283) |
| --- | --- | --- | --- | --- | --- |
| **Pressure to publish original research** |  |  |  |  |  |
| Always | 38 (28.4%) | 11 (23.9%) | 25 (24.5%) | 1 (100%) | 75 (26.5%) |
| Frequently | 64 (47.8%) | 9 (19.6%) | 40 (39.2%) | 0 (0%) | 113 (39.9%) |
| Occasionally | 13 (9.7%) | 4 (8.7%) | 17 (16.7%) | 0 (0%) | 34 (12.0%) |
| Rarely | 6 (4.5%) | 3 (6.5%) | 7 (6.9%) | 0 (0%) | 16 (5.7%) |
| Never | 4 (3.0%) | 1 (2.2%) | 2 (2.0%) | 0 (0%) | 7 (2.5%) |
| Missing | 9 (6.7%) | 18 (39.1%) | 11 (10.8%) | 0 (0%) | 38 (13.4%) |
| **Low value of replication studies** |  |  |  |  |  |
| Always | 31 (23.1%) | 7 (15.2%) | 8 (7.8%) | 0 (0%) | 46 (16.3%) |
| Frequently | 56 (41.8%) | 10 (21.7%) | 44 (43.1%) | 0 (0%) | 110 (38.9%) |
| Occasionally | 21 (15.7%) | 7 (15.2%) | 26 (25.5%) | 0 (0%) | 54 (19.1%) |
| Rarely | 6 (4.5%) | 2 (4.3%) | 16 (15.7%) | 0 (0%) | 24 (8.5%) |
| Never | 6 (4.5%) | 0 (0%) | 1 (1.0%) | 1 (100%) | 8 (2.8%) |
| Missing | 14 (10.4%) | 20 (43.5%) | 7 (6.9%) | 0 (0%) | 41 (14.5%) |
| **Low chances of replicating a result** |  |  |  |  |  |
| Always | 8 (6.0%) | 4 (8.7%) | 4 (3.9%) | 0 (0%) | 16 (5.7%) |
| Frequently | 33 (24.6%) | 9 (19.6%) | 28 (27.5%) | 0 (0%) | 70 (24.7%) |
| Occasionally | 42 (31.3%) | 11 (23.9%) | 32 (31.4%) | 0 (0%) | 85 (30.0%) |
| Rarely | 26 (19.4%) | 4 (8.7%) | 20 (19.6%) | 1 (100%) | 51 (18.0%) |
| Never | 7 (5.2%) | 1 (2.2%) | 6 (5.9%) | 0 (0%) | 14 (4.9%) |
| Missing | 18 (13.4%) | 17 (37.0%) | 12 (11.8%) | 0 (0%) | 47 (16.6%) |
| **Lack of experience conducting replications** |  |  |  |  |  |
| Always | 10 (7.5%) | 2 (4.3%) | 7 (6.9%) | 0 (0%) | 19 (6.7%) |
| Frequently | 41 (30.6%) | 11 (23.9%) | 31 (30.4%) | 1 (100%) | 84 (29.7%) |
| Occasionally | 36 (26.9%) | 9 (19.6%) | 19 (18.6%) | 0 (0%) | 64 (22.6%) |
| Rarely | 23 (17.2%) | 3 (6.5%) | 26 (25.5%) | 0 (0%) | 52 (18.4%) |
| Never | 8 (6.0%) | 0 (0%) | 2 (2.0%) | 0 (0%) | 10 (3.5%) |
| Missing | 16 (11.9%) | 21 (45.7%) | 17 (16.7%) | 0 (0%) | 54 (19.1%) |
| **Difficult publishing peer-reviewed replications** |  |  |  |  |  |
| Always | 33 (24.6%) | 5 (10.9%) | 11 (10.8%) | 0 (0%) | 49 (17.3%) |
| Frequently | 45 (33.6%) | 14 (30.4%) | 37 (36.3%) | 0 (0%) | 96 (33.9%) |
| Occasionally | 24 (17.9%) | 3 (6.5%) | 25 (24.5%) | 0 (0%) | 52 (18.4%) |
| Rarely | 8 (6.0%) | 2 (4.3%) | 13 (12.7%) | 1 (100%) | 24 (8.5%) |
| Never | 5 (3.7%) | 2 (4.3%) | 3 (2.9%) | 0 (0%) | 10 (3.5%) |
| Missing | 19 (14.2%) | 20 (43.5%) | 13 (12.7%) | 0 (0%) | 52 (18.4%) |
| **Difficulty accessing/creating relevant data** |  |  |  |  |  |
| Always | 17 (12.7%) | 4 (8.7%) | 13 (12.7%) | 0 (0%) | 34 (12.0%) |
| Frequently | 59 (44.0%) | 15 (32.6%) | 43 (42.2%) | 1 (100%) | 118 (41.7%) |
| Occasionally | 33 (24.6%) | 8 (17.4%) | 27 (26.5%) | 0 (0%) | 68 (24.0%) |
| Rarely | 10 (7.5%) | 2 (4.3%) | 11 (10.8%) | 0 (0%) | 23 (8.1%) |
| Never | 4 (3.0%) | 1 (2.2%) | 2 (2.0%) | 0 (0%) | 7 (2.5%) |
| Missing | 11 (8.2%) | 16 (34.8%) | 6 (5.9%) | 0 (0%) | 33 (11.7%) |
| **Insufficient information about original methods** |  |  |  |  |  |
| Always | 18 (13.4%) | 3 (6.5%) | 11 (10.8%) | 0 (0%) | 32 (11.3%) |
| Frequently | 49 (36.6%) | 11 (23.9%) | 36 (35.3%) | 1 (100%) | 97 (34.3%) |
| Occasionally | 42 (31.3%) | 10 (21.7%) | 30 (29.4%) | 0 (0%) | 82 (29.0%) |
| Rarely | 14 (10.4%) | 5 (10.9%) | 16 (15.7%) | 0 (0%) | 35 (12.4%) |
| Never | 3 (2.2%) | 0 (0%) | 1 (1.0%) | 0 (0%) | 4 (1.4%) |
| Missing | 8 (6.0%) | 17 (37.0%) | 8 (7.8%) | 0 (0%) | 33 (11.7%) |
| **Difficulty recreating similar procedures** |  |  |  |  |  |
| Always | 13 (9.7%) | 4 (8.7%) | 9 (8.8%) | 0 (0%) | 26 (9.2%) |
| Frequently | 51 (38.1%) | 9 (19.6%) | 28 (27.5%) | 1 (100%) | 89 (31.4%) |
| Occasionally | 47 (35.1%) | 10 (21.7%) | 38 (37.3%) | 0 (0%) | 95 (33.6%) |
| Rarely | 10 (7.5%) | 6 (13.0%) | 16 (15.7%) | 0 (0%) | 32 (11.3%) |
| Never | 3 (2.2%) | 0 (0%) | 1 (1.0%) | 0 (0%) | 4 (1.4%) |
| Missing | 10 (7.5%) | 17 (37.0%) | 10 (9.8%) | 0 (0%) | 37 (13.1%) |
| **Lack of funding for replication studies** |  |  |  |  |  |
| Always | 37 (27.6%) | 9 (19.6%) | 23 (22.5%) | 0 (0%) | 69 (24.4%) |
| Frequently | 50 (37.3%) | 11 (23.9%) | 38 (37.3%) | 0 (0%) | 99 (35.0%) |
| Occasionally | 22 (16.4%) | 4 (8.7%) | 14 (13.7%) | 0 (0%) | 40 (14.1%) |
| Rarely | 7 (5.2%) | 3 (6.5%) | 8 (7.8%) | 1 (100%) | 19 (6.7%) |
| Never | 2 (1.5%) | 1 (2.2%) | 2 (2.0%) | 0 (0%) | 5 (1.8%) |
| Missing | 16 (11.9%) | 18 (39.1%) | 17 (16.7%) | 0 (0%) | 51 (18.0%) |
| **Fabrication of data or results by original authors** |  |  |  |  |  |
| Always | 12 (9.0%) | 2 (4.3%) | 10 (9.8%) | 0 (0%) | 24 (8.5%) |
| Frequently | 16 (11.9%) | 1 (2.2%) | 12 (11.8%) | 0 (0%) | 29 (10.2%) |
| Occasionally | 18 (13.4%) | 2 (4.3%) | 15 (14.7%) | 0 (0%) | 35 (12.4%) |
| Rarely | 34 (25.4%) | 9 (19.6%) | 35 (34.3%) | 0 (0%) | 78 (27.6%) |
| Never | 12 (9.0%) | 2 (4.3%) | 8 (7.8%) | 1 (100%) | 23 (8.1%) |
| Missing | 42 (31.3%) | 30 (65.2%) | 22 (21.6%) | 0 (0%) | 94 (33.2%) |
| **Ethical concerns** |  |  |  |  |  |
| Always | 7 (5.2%) | 0 (0%) | 11 (10.8%) | 0 (0%) | 18 (6.4%) |
| Frequently | 8 (6.0%) | 5 (10.9%) | 8 (7.8%) | 0 (0%) | 21 (7.4%) |
| Occasionally | 16 (11.9%) | 11 (23.9%) | 20 (19.6%) | 0 (0%) | 47 (16.6%) |
| Rarely | 47 (35.1%) | 8 (17.4%) | 35 (34.3%) | 0 (0%) | 90 (31.8%) |
| Never | 24 (17.9%) | 3 (6.5%) | 11 (10.8%) | 1 (100%) | 39 (13.8%) |
| Missing | 32 (23.9%) | 19 (41.3%) | 17 (16.7%) | 0 (0%) | 68 (24.0%) |
| **Known spatial variation in phenomena being studied** |  |  |  |  |  |
| Always | 8 (6.0%) | 3 (6.5%) | 12 (11.8%) | 0 (0%) | 23 (8.1%) |
| Frequently | 34 (25.4%) | 11 (23.9%) | 24 (23.5%) | 0 (0%) | 69 (24.4%) |
| Occasionally | 28 (20.9%) | 7 (15.2%) | 38 (37.3%) | 0 (0%) | 73 (25.8%) |
| Rarely | 23 (17.2%) | 1 (2.2%) | 11 (10.8%) | 1 (100%) | 36 (12.7%) |
| Never | 11 (8.2%) | 0 (0%) | 2 (2.0%) | 0 (0%) | 13 (4.6%) |
| Missing | 30 (22.4%) | 24 (52.2%) | 15 (14.7%) | 0 (0%) | 69 (24.4%) |