

ID	1st author (Publish Year / Duration of study)	Region	Study Sample Size	Sex (M: Male, F: Female)	Age	Education	Occupation	Marital Status	Habitat	History SA: Substance Abuse PSA: Past Suicidal Attempt PMHx: Past Medical History PPHx: Past Psychiatric History	Methods	Season	STROBE Quantitative / Qualitative Score
1	Amiri ³⁷ (2012 / 2008- 2009)	West	457	M: 364 F: 93 M/F = 3.91	10-19: 55 20-29: 193 30-39: 88 40-49: 51 50-59: 38 60-69: 17 70-79: 11 80-90: 4 Max: 20-29 Min: 80-90	Illiterate: 5.83% Primary school: 9.7% Secondary school: 19.69% High school: 39.44% Academic: 25.35%	Housewife: 58 Jobless: 32 Student: 21 Collegian: 2 Soldier: 10 Worker: 27 Employee: 8 Self-employment: 56 Retired: 4 Farmer/Shepherd: 16	Single: 112 Married: 132 Divorce/Widow: 5		PSA: 25 (14.2%) SA: 24 (16.3%) PPHx: 72	Drugs: 69 Toxins: 41 Opium: 5 Chemical: 7 Self-injury: 9 Hanging: 249 (83.6%) Self-immolation: 46 (74.2%) Oil/gas: 3 Firearm: 11 (52.4%) Others: 6		41 (Good)
2	Ghaleiha ³⁸ (2009 / 2004- 2005)	West	146	M: 128 F: 18 M/F = 7	10-20: 23 (15.8%) 21-30: 55 (37.7%) 31-40: 25 (17.1%) 41-50: 25 (17.1%) 51-60: 8 (5.5%) More than 61: 10 (6.9%)	Low: 20 (13.6%) Intermediate: 119 (81.7%) High: 7 (4.7%)	Unemployed: 30 (20.5%) Self-employed: 92 (63%) Governmental: 14 (9.6%) Student: 10 (6.8%)	Married: 72 (49.3%) Single: 63 (43.2%) Widow & Divorced: 11 (7.5%)	Urban: 101 (69.2%) Rural: 45 (30.8%)	SA: No abuse: 43 (29.5%) Smoking: 25 (17.1%) Opium: 14 (9.6%) Alcohol & Marijuana: 8 (5.5%) Heroin: 6 (1.4%) Combine: 50 (34.2%) PPHx: Depression: 64 (43.8%) Schizophrenia: 12 (8.2%) Bipolar: 15 (10.3%) No: 55 (37.7%) PMHx: Yes: 13 (8.9%) No: 133 (91.1%)	Toxins: 17 (11.6%) Hanging: 114 (78.1%) Self-immolation: 9 (6.2%) Others: 6 (4.1%)	Spring: 41 (28.1%) Summer: 37 (25.3%) Autumn: 36 (24.7%) Winter: 32 (21.9%)	33 (Moderate)
3	Aziz Poor ³⁹ (2017 / 1993- 2013)	West	867	M: 267 F: 600 M/F = 0.44	10-14: 37 15-24: 452 25-34: 194 35-44: 68 45-54: 50 55-64: 33 65<: 33	Illiterate: 154 Primary school: 171 Middle school: 188 High school & Diploma: 209 Higher: 47	Unemployed: 253 Housewife: 266 Self-employed: 62 Student: 137 Employee: 31 Farmer: 13 Worker: 18	Single: 464 Married: 386 Divorced or widow: 17	Urban: 336 Rural: 340		Self-harm: 5 Self-immolation: 685 Hanging: 126 Firearm: 42 Others: 9	Spring: 228 Summer: 212 Autumn: 202 Winter: 225	42 (Good)

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4	Nazarzadeh ⁴⁰ (2016 / 2011- 2012)	West	130	M: 61 F: 69 M/F = 0.97	<15: 4 15-24: 68 25-34: 41 35-44: 8 >45: 9	Illiterate: 16 Primary: 21 Middle: 32 High: 7 Diploma: 37 University: 6	Unemployed: 110 Employed: 20	Single: 63 Married: 67		PSA: Yes: 19 No: 111	Drug: 16 Toxins: 10 Self-harm: 0 Hanging/Firearm: 34 Self-immolation: 62 Unknown: 8		38 (Moderate)
5	Mohamadian ⁴¹ (2019 / 2012- 2016)	West	475	M: 280 F: 195 M/F = 1.43	57.9% in 21- 40			Single: 233 (49.05%) Married: 235 (49.47%) Divorced: 6 (1.26%) Widow: 3 (0.63%) Unknown: 8 (1.68%)					37 (Moderate)
6	Veisani ⁴² (2016 / 2010- 2014)	West	546	M: 255 F: 291 M/F = 1.14	<20: 9 20-29: 299 30-39: 186 40-49: 49 50-59: 45 >60: 28 Max: 20-29 Min: <20	Illiterate: 133 Primary school: 82 Guidance/high school: 157 Diploma: 136 University: 38	Housewife: 190 Unemployment: 186 Student: 42 Employed: 107 Others: 21	Married: 289 Single: 257	Urban: 7% Rural: 10%		Drugs: 2% Self-immolation: 44% Toxin(chalk): 38% Hanging: 31%		39 (Good)
7	Veisani ⁴³ (2022 / 2014- 2018)	West	445	M: 272 F: 183 M/F = 1.48	Max: 15-29: 206 (45.3%)	Illiterate/ Primary school: 202 (44.4%) Guidance/high school: 145 (31.9%) Diploma: 92 (20.2%) Academic degree: 14 (3.3%)		Single: 236 (51.9%) Married: 219 (48.1%)	urban: 394 (86.6%) rural: 61 (13.4%)				35 (Moderate)
8	Veisani ⁴⁴ (2018 / 2011- 2016)	West	Total: 539 2011(112) 2012(91) 2013(85) 2014(104) 2015(82) 2016(65)	M: 324 F: 215	<15: 4 15-24: 179 25-44: 249 45-64: 73 >=65: 45								33 (Moderate)

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9	Havassi ⁴⁵ (2016 / 2005- 2011)	West	56	M:25 F: 31 M/F = 0.8	< 20: 13 20-29: 20 30-45: 11 45<: 12	Illiterate: 12 Literate: 37	unemployed: 6 housewife: 4	Single: 23 Married: 33			Self-harm: 3 Self-immolation: 44 Drug/toxin: 5 Others: 4	Spring: 19 Summer: 20 Autumn: 7 Winter: 10	38 (Moderate)
10	Azizpoor ⁴⁶ (2016 / 1993- 2013)	West	169	M: 94 F: 75 M/F = 1.25	10-14: 2 15-24: 96 25-34: 36 35-44: 17 45-54: 6 55-64: 4 > 65: 8	Illiterate: 24 Primary: 22 Middle: 43 High: 56 University: 12	Housewife: 30 Unemployed: 48 Self-employed: 15 Office Worker: 5 Farmer: 17 Student: 32 Worker: 5	Single: 101 Married: 64 Divorced & Widow: 4	Urban: 61 Rural: 57		Poisoning: Toxins: 74 Tablet: 90 Narcotic Substance: 5 Building Material: 0	Seasons: Spring: 45 Summer: 35 Autumn: 47 Winter: 41 Day time: Morning: 26 Noon: 14 Evening: 47 Night: 16	41 (Good)
11	Kangavari ⁴⁷ (2017 / 2006- 2016)	West	Total: 7004	M: 4259 F: 2745 Total: M/F = 1.56	Total: 32.0 ± 15.4 (Min: 5-14, Max:15-29)						Hanging: 2475 Self-Immolation: 1676 Poisoning: 1261 Others: 1443	Max: July and August (9.9%) Min: January (6.8%)	40 (Good)
12	Heidari ²² (2017 / 2003- 2014)	West	3105	M: 1909 F: 1196 M/F = 1.59	Male: 33.58 ± 15.88 Female: 30.22 ± 14.76	Illiterate/Primary: 1219 (39.3%) Middle- high School: 1111 (35.8%) Diploma and higher: 501 (16.2%)		Single: 1507 (48.5%) Married: 1408 (45.3%) Others: 167 (6.2%)			Hanging: 1243 (40%) Self-immolation: 760 (24.5%) Drugs/Toxins: 659 (21.3%) Others: 429 (13.9%) ASR of suicide per100K: Hanging:2.7 self-imolation:2.7 poisoning:2.4		42 (Good)
13	Barkhordar ⁴⁸ (2009 / 2000- 2006)	West	213	M: 69 F: 144 M/F = 0.47									33 (Moderate)
14	Rostami ⁴⁹ (2019 / 2006- 2013)	West										Max: August (Summer)	40 (Good)

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15	Rostami ⁵⁰ (2016 / 2006- 2013)	West	1901	All methods: M: 1138 F: 763 M/F= 1.49	All methods: 10-19: 274 20-29: 790 30-39: 385 >40: 443	All methods: Illiterate: 377 Primary/Middle: 928 High/Diploma: 510 University: 73		All methods: Single: 928 Married: 851	All methods: Urban: 1614 Rural: 287		Mixed Methods: Drugs: 237 (12.4%) Toxins: 123 (6.4%) Hanging: 793 (41.7%) Self-immolation: 487 (25.9%) Firearms: 210 (11%) Others: 45 (2.36%)		42 (Good)
16	Rashidi ⁵¹ (2020 / 2012- 2018)	West	205	M: 113 F: 92 M/F = 1.22	5-14: 24 15-24: 80 25-34: 49 35-44: 31 45-54: 11 55-64: 7 64 & higher: 3	Illiterate: 46 Primary school: 48 Middle school: 30 High school: 24 Diploma and higher: 27 Unknown: 30		Single: 77 Married: 96 Divorced or widow: 29 Not-reported: 3	Urban: 114 Rural: 87 Not-reported: 4		Drug: 66 Toxin: 34 Hanging: 47 Electrocution: 1 Self-immolation: 17 Falling: 0 Firearm: 20 Others: 20		39 (Good)
17	Rostami ⁵² (2017 / 2011- 2014)	West	427	M: 234 F: 193 M/F = 1.21	0-17: 51 18-24: 180 25-34: 117 >35: 79 Highest rate: 18-24 male: 10.5/100k female: 9/100k						Hanging: 224 Self-harm: 7 Toxins: 33 Drugs: 53 Self-immolation: 74 Falling: 8 Others: 28 Hanging: 3.24/100k Self-harm: 1/100k Drug: 0.42/100k	autumn = 1/2 other seasons	34 (Moderate)

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18	Groohi ⁵³ (2006 / 2000- 2001)	West	23	All attempts: Male: 6 (15%) mortality rate: 4.4 per 100k Female: 34 (85%) mortality rate: 16.7 per 100k M/F = 0.17							Self-Immolation: kerosene (95%)		42 (Good)
19	Raeisi ⁵⁴ (2017 / 2006- 2015)	Non_West	343	M/F = 2.17	<20: 87 (25.4%) 20-30: 133 (38.8%) 31-40: 77 (22.4%) >40: 46 (13.4%)	Illiterate: 29 (8.5%) Primary: 70 (20.4%) Middle: 119 (34.7%) High: 45 (13.1%) Diploma: 58 (16.9%) University: 22 (6.4%)	Unemployed: 51 (14.3%) Housewife: 91 (84.4%) Self-employed: 24 (7%) Student: 35 (10.2%) Employee: 59 (17.2%) staff: 8 (2.3%) Conscript soldiers: 28 (8.2%)	Single: 174 (50.7%) Married: 158 (46.1%) Others: 11 (3.2%)		SA: Smoking: 43 (12.5%) Opioid: 10 (2.9%) Alcohol: 2 (0.6%) Ecstasy: 2 (0.6%) Smoking+Opioid: 22 (6.4%) Opioid+Alcohol or Opioid+Ecstasy: 8 (2.3%) Unknown: 256 (74.6%) PMHx: 16 (4.7%) PPHx: 76 (22.1%)	Drugs: 7 (2%) Toxins: 13 (3.8%) Hanging: 184 (53.6%) Self-immolation: 83 (24.2%) Falling: 7 (2%) Firearms: 37 (10.8%) Others: 12 (3.5%)		33 (Moderate)
20	Fakhari ⁵⁵ (2022 / 2016- 2018)	Non_West	32	M: 23 F: 9 M/F = 2.57	10-25: 9 (28.1%) 26-40: 18 (56.2%) >40: 5 (15.6%)	Primary: 10 (31.2%) Middle: 19 (59.3%) High school and higher: 3 (9.37%)	student: 7 (21.8%) Housewife: 5 (15.6%) Unemployed or Self-employed: 18 (56.2%) Farmer: 2 (6.2%)	Single: 10 (31.2%) Married: 21 (65.6%) Widowed & Divorced: 1 (3.1%)	Urban: 2 (6.2%) Rural: 30 (93.7%)				44 (Good)

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21	Fakhari ²⁰ (2021 / 2015- 2018)	Non_West	32	M: 23 F: 9 M/F = 2.55	10-25: 9 (28.1%) 26-40: 18 (56.2%) >40: 5 (15.6%)	Primary: 10 (31.2%) Middle: 19 (59.3%) High school and higher: 3 (9.37%)	student: 7 (21.8%) Housewife: 5 (15.6%) Unemployed or Self-employed: 18 (56.2%) Farmer: 2 (6.2%)	Single: 10 (31.2%) Married: 21 (65.6%) Widowed & Divorced: 1 (3.1%)	Urban: 2 (6.2%) Rural: 30 (93.7%)	SA: Alcohol Abuse: 11 (34.3%) Smoker: 3 (9.3%) Other Substances Abuse: 2 (6.25%) PPHx: 3 PSA: Yes: 8 (25%) No: 24 (75%)	Drugs/Toxins: 8 (25%) Hanging: 20 (62.5%) Self-immolation: 2 (6.25%) Self-harm: 2 (6.25%)	Spring > Others	44 (Good)
22	Farahbakhsh ⁵⁶ (2021 / 2007- 2018)	Non_West	1783	M: 1204 (67.5%) F: 579 (32.5%) M/F = 2.07	Mean ± SD: 34.07 ± 15.68 Max: 25–59: 1102 (61.82%) Min: <15: 59 (3.33%) <15: 59 (3.33%) 15-24: 467 (26.21%) 25-29: 1102 (61.82%) >60: 144 (8.1%)		Self-employment/ unemployment: 651 (36.5%) Student (school- university): 225 (12.6%) Housewife: 464 (26%) Farming or farming related: 269 (15.1%) Employment: 55 (3.1%) Others: 119 (6.7%)	Single: 575 (32.25%) Married: 1152 (64.63%) Widow/Divorced: 56 (3.12%)	Urban: 1234 (69.2%) Rural: 549 (30.8%)	PSA: 111 (6.2%) PPHx: 316 (17.7%)	Hanging: 1098 (61.6%) Drugs/Toxins: 471 (26.4%) Self-injury: 125 (7%) Falling: 39 (2.2%) Self-immolation: 30 (1.7%) Others: 14 (0.8%)		37 (Moderate)
23	Azizi ⁵⁷ (2021 / 2014- 2017)	Non_West	32	M: 23 F: 9 M/F = 2.55	10–25: 9 (28.125%) 26–40: 18 (56.25%) ≥40: 5 (15.63%)	Primary school: 10 (31.25%) Secondary school: 19 (59.38%) High school and Academic: 3 (9.37%)	Student: 7 (21.87%) Farming-related: 2 (6.25%) Housewife: 5 (15.63%) Unemployed or Self-employed: 18 (56.25%)	Single: 10 (31.25%) Married: 21 (65.63%) Widow/Divorced: 1 (3.12%)	Urban: 2 (6.25) Rural: 30 (93.75%) Live alone: 1 (3.12%)	PSA: 8 (25%) SA: 2 (6.25%) Alcohol (daily): 11 (34.37%) Smoking (daily): 3 (9.37%)	Hanging: 20 (62.5%) Drugs/Toxins: 8 (25%) Self-injury: 2 (6.25%) Self-immolation: 2 (6.25%)	Spring: 18 (56.25%) Summer: 3 (9.37%) Autumn: 2 (6.25%) Winter: 9 (28.12%)	39 (Good)

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24	Najafi ⁵⁸ (2013 / 2004- 2009)	Non_West	1047	M: 679 F:363 M/F = 1.88									38 (Moderate)
25	Mokhtari ⁵⁹ (2019 / 2011- 2016)	Non_West	63	M: 47 F: 16 M/F = 2.93	> 65 Y				Urban: 36 (64.3%) Rural: 20 (35.7%)		Drugs: 4 Toxins: 17 Opioid: 5 Hanging: 0 Detergent: 6 Firearm: 0 Cold-weapon: 2 Self-immolation: 2 Falling: 2 Others: 3		39 (Good)
26	Mokhtari ⁶⁰ (2019 / 2011- 2016)	Non_West	275	M: 166 F: 109 M/F = 1.52	10-14: 78 (28.4%) 15-19: 197 (71.6%)				Urban: 143 (58.4%) Rural: 102 (41.6%)				39 (Good)
27	ZareNejad ⁶¹ (2015 / 2003- 2011)	Non_West	1815	M: 1361 F: 454 M/F = 3	Male: 30.80 ± 13.89 Female: 29.09 ± 13.37 10-19: 305 (16.8%) 20-29: 786 (43.3%) 30-39: 333 (18.3%) >40: 342 (18.8%) Missing: 49 (2.7%)	Illiterate: 177 (9.8%) Primary: 411 (22.6%) Middle: 587 (32.3%) High: 484 (26.7%) University: 90 (5%) Missing: 66 (3.6%)	Student: 193 (10.6%) Housewife: 349 (19.2%) Employee: 47 (2.6%) Self-employment: 809 (44.6%) Un-employed / Retired: 216 (11.9%) Military: 82 (4.5%) Others: 25 (1.4%) Missing: 94 (5.2%)	Single: 1076 (59.3%) Married: 642 (35.4%) Missing: 97 (5.3%)		PMHx/ PPHx: Yes: 445 (24.5%) No: 963 (53.1%) Missing: 407 (22.4%) SA: Yes: 637 (35.1%) No: 1082 (59.6%) Missing: 96 (5.3%)	Hanging: 899 (49.5%) Self-immolation: 298 (16.4%) Drugs: 139 (7.7%) Toxins: 160 (8.8%) Firearms: 256 (14.1%) Falling: 6 (0.3%) Cold-weapon: 13 (0.7%)	Spring: 528 (29.1%) Summer: 521 (28.7%) Fall: 369 (20.3%) Winter: 395 (21.8%)	34 (Moderate)

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28	Mirahmadizadeh ⁶² (2022 / 2011- 2018)	Non_West	2384	Total: Male: 1670 (70.05%) Female: 714 (29.95%) Male/Female: 2.33	32.73±15.65, Max: 15-29y			Married: 898 (37.66%) Single: 1011 (42.40%)			Hanging: 714 (29.94%) Drugs: 301 (16.81%) Toxins: 274 (11.49%) Firearms: 128 (5.36%) Cold weapon: 18 (0.75%) Self-immolation: 233 (9.77%) Alcohol poisoning: 2 (0.08%) Drowning: 2 (0.08%) Falling: 35 (1.46%) Others: 46 (1.9%) Missing: 531 (22.28%)		35 (Moderate)
29	Jahromi ⁶³ (2022 / 2021- 2022)	Non_West	6	M: 4 F: 2 M/F = 2							Drug: 1 (16%) Toxin: 3 (50%) Hanging: 2 (34%)		38 (Moderate)
30	Delam ⁶⁴ (2020 / 2012- 2017)	Non_West	27	M: 18 F: 9 M/F = 2	Mean±SD = 33.49±11.49	Illiterate: 3 Under Diploma: 24 Academic: 0	Unemployed: 7 Housewife: 7 Employee: 1 Student: 5 Self-Employed: 7	Single: 13 Married: 14 Divorced: 0 Deceased Wife: 0	Urban: 20 Rural: 7	PSA: Yes: 5 No: 22 PMHx: Yes: 7 No: 20 PPHx: Yes: 9 No: 18			40 (Good)
31	Sakhavati ⁶⁵ (2016 / 2011- 2015)	Non_West	18	M:16 F: 2 M/F = 8		Illiterate/ under diploma: 12 (66.66%) Diploma: 5 (27.77%) Academic degree: 1 (5.55%)	Housewife: 2 (11.11%) Unemployment: 6 (33.33%) Self-employment: 9 (50%) Employed: 1 (5.55%)	Married: 12 (66.66%) Single: 6 (33.33%)	Urban: 12 (66.66%) Rural: 6 (33.33%)		Hanging: 13 (72.22%) Drugs: 1 (5.55%) Self-immolation: 1 (5.55%) Toxins: 1 (5.55%) Firearm: 2 (11.11%)	Summer: 4 (22.2%) Spring: 8 (44.4%) Autumn: 2 (11.1%) Winter: 4 (22.2%)	33 (Moderate)
32	Mobayen ⁶⁶ (2020 / 2009- 2017)	Non_West	60								All Self-Immolation		39 (Good)

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33	Taziki ⁶⁷ (2006 / 2003- 2004)	Non_West	171	M: 165 F: 6 M/F = 26									33 (Moderate)
34	Kazemi ⁶⁸ (2015 / 2012- 2013)	Non_West	13	M: 9 F: 4 M/F = 2.25									34 (Moderate)
35	Bakhsha ⁶⁹ (2011 / 2003- 2007)	Non_West	100		Male: 23.02 ± 9.63 Female: 25 ± 12.99								35 (Moderate)
36	Hassanipour ⁷⁰ (2019 / 2012- 2016)	Non_West	87	M: 63 F: 24 M/F = 2.62	<15: 5 15-24: 26 25-34: 35 35-44: 10 >45: 11	Uneducated: 3 Elementary: 4 Middle School: 23 High School: 53 Diploma & University: 4		Single: 40 (1.9%) Married: 47 (2.2%)	Urban: 46 Rural: 8 Urban Side: 33	PSA: Yes: 5 (0.2%) No: 82 (3.8%) PMHx: Yes: 2 (0.1%) No: 85 (4%)	Drugs: 33 Hanging: 36 Cold-weapon: 6 Toxins: 5 Firearms: 5 Unknown: 2		36 (Moderate)
37	Karimi ⁷¹ (2018 / 2013- 2015)	Non_West	576	All methods: M: 423 F: 153 M/F = 2.76	All methods: 10-14: 14 15-29: 262 30-34: 181 45-59: 72 >60: 39 Max: 15-29 Min: 10-14			All Methods (Single/Married): 261 (45.3%) 307 (53.3%)			Mixed Methods: Drugs/Toxins: 96 Hanging: 330 Self-immolation: 87 Firearm: 29 Cold weapon: 7 Falling: 13		43 (Good)
38	Gheshlaghi ⁷² (2012 / 2007- 2008)	Non_West	3		all attempts: 65y - 83y								33 (Moderate)
39	Pouradeli ⁷³ (2023 / 2017- 2020)	Non_West	642	Total: M: 476 F: 166	Mean age: 31.2 ± 13	Total: Illiterate: 69 Under diploma: 376 Diploma: 137 Associate: 22 Bachelor or higher: 38	Total: Housewife: 123 Unemployed: 78 Student: 78 Governmental: 47 Non- Governmental: 295	Total: Single: 306 Married: 297 Divorced: 39		Total: PSA: Yes: 88 No: 483 Unknown: 71 PPHx: Yes: 135 No: 404 Unknown: 103			39 (Good)

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40	Moqaddasi Amiri ⁷⁴ (2015 / 2005- 2011)	Non_West	163	M: 96 F: 67 M/F = 1.43									36 (Moderate)
41	Alami ⁷⁵ (2019 / 2009- 2014)	Non_West	17	M: 12 F: 5 M/F = 2.44		Non-Academic: 16 Academic: 1	Governmental: 8 Housewife: 5 Other: 4	Married: 13 Single: 4	Urban: 7 Rural: 10	PPHx: Yes: 6 No: 11 PMHx: Yes: 4 No: 13 PSA: Yes: 2 No: 15	Non-Physical: 7 Physical: 10		40 (Good)
42	Ranjbar ⁷⁶ (2013 / 2009- 2011)	Non_West	104	M: 94 F:10 M/F = 9.41	mean ± SD: 30.9 ± 12.1					PSA: 15 (14%) SA: 36 (35%) (Morphine 27 (75%), Ethanol 9 (25%) specially in youngers, Codeine 8 (22%)	hanging		35 (Moderate)
43	Alaghebandan ⁷⁷ (2015 / 2006- 2007)	Non_West	68	All attempts: Female							Self-Immolation: kerosene (97.7%)		42 (Good)
44	Poor Azizi ⁷⁸ (2014 / 2008- 2009)	Non_West	19	M: 15 F: 4 M/F = 3.75				Single: 11 Married: 8		PMHx: Positive: 4 Negative: 15 PPHx: Positive: 4 Negative: 15	Drug: 1 Toxin: 6 Hanging: 6 Self-immolation: 0 Falling: 1 Firearm: 3 Cold-weapon: 1 Others: 1		33 (Moderate)
45	Mojahedi ⁷⁹ (2021 / 2014- 2019)	Non_West	86	M: 47 F: 39 M/F = 1.20	31.03 ± 13.51	Under-diploma: 40 Diploma: 19 University: 12 Other: 14		Married: 43 Single: 37 Divorced: 5	Urban: 53 Rural: 27 Rural /Urban Ratio:2	PSA: 11 PPHx: 9			38 (Moderate)

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46	Soltani ⁸⁰ (2017 / 2011- 2016)	Non_West	1773	M: 1338 F: 435 Male/Female = 3.1	Total: mean (SD) = 33.19 (13.11) Male: 33.52(13.05) Female: 32.18(13.26)		Unemployed/ Housewife: 807(45.5%) Self-employed: 725(41%) Student: 147(8.3%) Employee/ Retired: 72(4%) Conscript soldiers: 22(1.2%)	Single: 641 (36.2%): Male: 543 Female: 98 Married: 821 (46.3%) Male:579 Female: 242 Separated: 227 (12.8%) Male: 157 Female: 70 Widow: 84 (4.7%) Male: 59 Female: 25		SA: Total 482 (27.2%) - hallucinogenic/ psychoactive: 352(73%) - opioids: 239(50%) - alcohol: 135(28%)	Hanging: 962(54.6%) Poisoning: 640(35.8%) Falling: 88(5%) Burning: 35(2%) Shooting: 29(1.6%) Others: 19(1%)	Summer: 594 (33.5%) Spring: 581(32.8%) Autumn: 453(25.5%) Winter: 145(8.2%)	35 (Moderate)
47	Forouzes ⁸¹ (2022 / 2010- 2020)	Non_West	350 (age<18)	M: 167 F: 183 M/F = 0.91	Mean ± SD: 16.36 ± 1.76 Range: 11- 18	Illiterate: 17 (4.9%) Primary: 35 (10%) Middle: 111 (31.7%) High: 134 (38.3%) Diploma: 22 (6.3%) Max: High School: 134 (38.3%) Min: Illiterate: 17 (4.9%)			Max: Outskirts of Tehran: 112 (32.5%) Min: Downscales of Tehran: 94 (26.2%)	PPHx: 35 SA: Addiction: 14 (4%) Alcohol test in bodies: 13 (3.71%)	Hanging: 121 (34.57%) Drugs/Toxins: Total: 148 (42.28%): Rice tablet or aluminum phosphide: 90 (25.7%) Opium: 26 (7.4%) TCA: 6 (1.7%) Propranolol: 6 (1.7%) Falling: 59 (16.85%) Self-immolation: 8 (2.28%) Firearms: 5 (1.42%) Choking (gas): 6 (1.71%) metro: 2 (0.57%) Cold-weapon: 2 (0.57%)	Winter:90 Spring:89 Autumn:89 Summer:82	38 (Moderate)

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56	Izadj ⁹⁰ (2018 / 2006- 2015)	Whole Country	35,297	M: 24736 F: 11191 M/F = 2.34	Mean ± SD: Total: 32.01 ± 14.88 Male: 32.93 ± 15.08 Female: 29.85 ± 14.17			Married: 17,013 (48.95%) Single: 16,425 (47.25%) Divorced: 652 (1.88%) Widow: 485 (1.40%) Re-marriage: 184 (0.53%)			Hanging: 18,482 (52.49%) Self-immolation: 4545 (12.91%) Medication: 2946 (8.37%) Chemical: 4984 (14.16%) Firearm: 2514 (7.14%) Sharp/blunt object: 275 (0.78%) Drowning: 200 (0.57%) Falling: 835 (2.37%) Explosive: 6 (0.02%) Cold weapon: 271 (0.77%) Electrocution: 16 (0.05%)		43 (Good)
57	Razai ⁹¹ (2020 / 2008- 2014)	Whole Country	1601(age >60)	M: 1217 F: 384	Mean ± SD: 70.36 ± 0.17 Max: 60- 74y(50.5%) Min: 85<(9.9%)						Hanging: 824 (51.50%) Poisoning: 308 (19.20%) Self-immolation: 214 (13.40%) Others/unknown: 242 (15.10%) / 13 (0.08%)		42 (Good)
58	Saberi- Zafaghandi ⁹² (2012 / 2001- 2007)	Whole Country	3883	M: 1893 F: 1913 M/F = 0.98	<20: 1173 (30.2%) 21-30: 1395 (35.9%) 31-40: 506 (13%) 41-50: 315 (8.1%) >50: 332 (8.6%) missing: 162 (4.2%)			Single: 1283 (33.1%) Married: 1372 (35.4%) Divorced: 17 (0.4%)			Drugs: 904 (23.3%) Toxins: 275 (7.1%) Narcotics: 40 (1%) Cold-weapon: 29 (0.7%) Self-immolation: 1451 (37.4%) Hanging: 948 (24.4%) Firearm: 96 (2.5%) Others: 66 (1.7%)		39 (Good)

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59	Sharif-Alhoseini ⁹³ (2012 / 2005- 2008)	Whole Country	1200	M: 767 F: 433 M/F = 1.77	>13: 86 13-65: 1069 >65: 45								35 (Moderate)
60	Shojaei ⁹⁴ (2012 / 2010- 2011)	Whole Country	3513	M: 2477 F: 1036 M/F = 2.4									34 (Moderate)
61	Snowdon ⁹⁵ (2020 / 2006- 2015)	Whole Country	36034	M: 25387 F: 10647 M/F = 2.34									36 (Moderate)
62	Shojaei ⁹⁶ (2014 / 2006- 2010)	Whole Country	15755	All methods: M: 11092 F: 4663 M/F = 2.37	(Mean age) Drugs: 28.4 Toxins: 32.1 Hanging: 32.4 Self- immolation: 30.5 Firearms: 27.1 Others: 35.6	Illiterate: Total: 2251 Max: Hanging (51.6%) Min: Firearms (2.8%) Primary School: Total: 8018 Max: Hanging (56%) Min: Others (3.6%) High School: Total: 4188 Max: Hanging (47.4%) Min: Others (5.8%) Diploma & Higher: Total: 854 Max: Hanging (41.7%) Min: Self- immolation (7.5%)				Mixed Methods: Drugs: 1178 (7.4%) Toxins: 1763 (11.2%) Hanging: 8264 (52.2%) Self-immolation: 2587 (16.4%) Firearms: 1213 (7.7%) Others: 746 (4.7%)		40 (Good)	

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63	Tabesh ⁹⁷ (2021 / 2012- 2017)	Whole Country	35093	M: 24688 F: 10405 M/F = 2.37		illiteracy rate (mean±SD): 13.35 ± 3.54	Unemployment Rate (mean ± SD): 10.97 ± 2.13 Out of Service Rate (mean±SD): 4.47±12.8	Domestic Violence Rate (mean±SD) 84.29±29.52 Divorce rate (mean±SD): 189.62±45.83	Urbanization rate (mean±SD): 68.67±12 Net Migration Rate (mean±SD): 308.14±373.97	Substance/Alcohol Abuse Rate (mean±SD): 1.66±1.62 Abortion Rate (mean±SD): 21.97 ± 5.6 Fertility Rate (mean±SD): 1.98±0.45			36 (Moderate)
64	Kazemi- Galougahi ⁹⁸ (2018 / 2010- 2011)	Whole Country	3513										41 (Good)
65	Hajizade Asl ⁹⁹ (2021 / 2005- 2021)	Whole Country					Unemployment Coefficient: (Based on Generalized Torque Model): with a break period: 0.12 ± 0.01 without a break period: -0.05 ± 0.01		Urbanization Coefficient (Based on Generalized Torque Model): With a break period: 0.06 ± 0.03 Without a break period: 0.001 ± 0.0006				34 (Moderate)
66	Sara Emamgholipour ²¹ (2021 / 2001- 2016)	Whole Country				Literacy Rate Coefficient: (Based on Panel EGLS) Female: -1.57 Male: -1.99	Unemployment Rate Coefficient (Based on Panel EGLS): Female: 0.73 Male: 2.67	Divorce rate: Coefficient (Based on Panel EGLS): Female: 1.81 Male: 5.25	Urbanization Coefficient: (Based on Panel EGLS) Female: 0.35 Male: -0.86				38 (Moderate)

ID	1st author (Publish Year / Duration of study)	Region	Study Sample Size	Sex (M: Male, F: Female)	Age	Education	Occupation	Marital Status	Habitat	History SA: Substance Abuse PSA: Past Suicidal Attempt PMHx: Past Medical History PPHx: Past Psychiatric History	Methods	Season	STROBE Quantitative / Qualitative Score
67	Hassan Haghparast- Bidgoli ¹⁰⁰ (2018 / 2001- 2010)	Whole Country		M/F = 1.03	Across all provinces (Mean ± SD): 15-24: 25.77% ± 1.31 Age<65: 5.19% ± 0.95	Across all provinces (Mean ± SD): Literacy: 83.11% ± 4.24	Across all provinces (Mean ± SD): Unemployment: 12.13% ± 3.72 2001 vs 2010 (Mean): Unemployment: 15.9 vs 13	Across all provinces (Mean ± SD): Divorces: 1.12 ± 0.46 2001 vs 2010 (Mean): 0.8 vs 1.6	Across all provinces (Mean ± SD): Urbanization: 63.45% ± 12.07 2001 vs 2010 (Mean): Urbanization: 60.4 vs 66.2				42 (Good)
68	Mahdavi ¹⁰¹ (2020 / 2016- 2018)	Whole Country	9021	M: 6424 F: 2597 M/F = 2.47	Across all provinces (Mean ± SD): Male: 35.8 (15.1) Female: 31.5 (14.4) Age group (year): ≤ 29: 4015 (44.6%) 30-59: 4328 (48.0%) ≥ 60:666 (7.4%)			Single: 3872 (42.9%): Male: 2947 Female: 925 Married: 4742 (52.6%): Male:3210 Female: 1532 others: 407 (4.5%) Male: 267 Female: 140		Mixed Methods: Hanging: 4682 (51.9%) Self-poisoning: 2329 (25.8%) Self-immolation: 614 (6.8%) Firearms: 578 (6.4%) Others: 818 (9.1%)	Spring:2426 (26.9%) Summer:2471 (27.5%) Fall:2026 (22.5%) Winter:2079 (23.1%)	38 (Moderate)	