

Table S1. Descriptive characteristics of the 18 selected articles classified by type of determinants

| Variable | | | | | | Social determinants of health | | | | | | | | | | | | |
|----------|-----------------------|--------------|-------------------------------|--------------|---------------|-------------------------------|----------------|-------|----------|-------------|---------------------|----------------------------------|---|--|--------------------------|-----------------|-------------|-----------------------|
| N | Article | Samp le size | studied populatio n | City | Aver age .age | Structural SDH | | | | | | Intermediary determinants of SDH | | | | | | Out come |
| | | | | | | Ge nd er | E d uc at io n | G o b | Inc om e | H o us in g | M ar it al St at us | Risky Behaviors | | | Social. Support. Network | K n o w le d ge | A tti tu de | C hi ld . A b us ed |
| IDU | prison | U.S.B | F a m il y | Co mm unit y | | | | | | | | | | | | | | |
| 1 | Rezazadeh et al, (16) | 104 | Women | Tehran | 29.6 | | - | + | | + | - | | | | + | | | Risky sexual behavior |
| 2 | Rahmani et al (17) | 178 | Homeless | Tehran | - | - | - | | | | - | + | + | | + | | | HIV + |
| 3 | Etemad et al (18) | 188 | Men with risk behavior | Golestan | 32.9 | | + | + | + | | | | | | | - | + | HIV+ |
| 4 | Lotti et al (19) | 200 | Weman with high-risk behavior | Tehran | 35/9 | | | | | | | | | | + | + | + | Condom use |

| N | Variable | Social determinants of health | | | | | | | | | | | | | | | Community | | |
|---|---------------------|-------------------------------|----------------------|-------------------|--------------------|--------|----------------------------------|-----|--------|---------|----------------|-----------------|-----------------|---------|--------|-------|-----------|-----------------------|--|
| | | Structural SDH | | | | | Intermediary determinants of SDH | | | | | | | | | | | | |
| N | Sample size | Article | Average .age | City | studied population | Gender | Education | Gob | Income | Housing | Marital Status | Risky Behaviors | Social. Support | Outcome | Family | U.S.B | Prison | IDU | |
| 5 | Assari et al (20) | 636 | Drug injectors | 8 provinces | 31/5 ±7/8 | + | + | + | | + | | | | | | + | | shared needles use | |
| 6 | Rezaeian et al (21) | 1200 | women | Sanandaj | 29/6 7 | | + | + | + | - | | | | | + | + | | HIV Testing | |
| 7 | Shokoohi et al (22) | 714 | Sex workers | 14 cities of Iran | 25-34 | | - | | | - | | | | | + | + | | HIV Testing | |
| 8 | Ramezani et al (23) | 1005 | truck drivers &youth | 4 cities | | | | | | | + | | | | + | + | | Risky sexual behavior | |
| 9 | Navadeh et al (24) | 5530 | prisoners | Iran | 33 | - | | | | | + | | | | | | | HIV+ | |

| | | | | | | | | | | | | | | | | | |
|----|-----------------------|------|-----------------|------------|----------|---|---|---|---|---|---|---|---|---|---|---|----------------------------|
| 10 | Noorozi et al (25) | 455 | PWID (men) 2016 | Kermanshah | 33±7 | | | + | - | + | + | | | | | + | Dual HIV risk |
| 11 | Naghi et al (26) | 6900 | Prisoners | Tehran | 30.7 | | | | | | | + | + | | | | HIV+ |
| 12 | Noroozi et al (27) | 500 | Drug injectors | Tehran | 32 | | + | - | + | + | | + | | | | | HIV Testing |
| 13 | Bagheri et al (28) | 1461 | HIV+ | Shiraz | 41.5 | + | + | + | | | + | + | + | + | | | AIDS |
| 14 | Behmanesh et al (29) | 60 | Hiv+woman | Esfahan | 36.83 | | + | - | + | | - | | | | + | | Quality of life |
| 15 | Masoodi et al (30) | 147 | Hiv+ men | Khorabad | - | | | | | | | | | | + | | Responsibility condom use& |
| 16 | Shushtari et al (31) | 175 | HIV+ 2014 | Tehran | 36 | + | | | | | | | | | + | | Disclosure of HIV Status |
| 17 | Zand Momen et al (32) | 400 | HIV+ 2014 | TEHRAN | 30-39 | + | + | | | | + | | | | | | High-risk behaviors |
| 18 | Haseli et al (33) | 129 | HIV+ | Shiraz | 38.9±6.7 | + | - | + | | | + | + | | | | | Quality of life |

