**S6 Table:**

**Family planning market share**

| **Reference** | **Unit of analysis** | **Outcome** | **Private sector market share estimate(s)** | **Numerator** | **Denominator** | **Treatment of missing information (source of care)** |
| --- | --- | --- | --- | --- | --- | --- |
| Agha & Do (2008) | Most recent FP supply | Private commercial sector market share for modern methods | **Kenya**9.2% (1989) - 32.2% (2003)**Ghana** 24.5% (1988) - 42.4% (2003) | Number of women who most recently received their FP method from private source | Current users of modern contraception aged 15-49 years, married or in union | Not stated |
| Amin (1998) | Not stated | Planned parenthood market share for contraceptive users | 20.8% | Number of women who obtained method from Planned Parenthood | Current users of any FP aged 12-49 years | Not stated |
| Aremu (2013) | Not stated | Private sector market share for modern methods | 55.30% | Number of women who received their FP method from private source | Current users of modern contraception aged 15-49 years, ever married (?) | Not stated |
| Ayad et al. (1994) | Most recent FP supply | Private sector market share for: (a) all modern methods; (b) clinical vs. supply methods; (c) individual methods | 2% (Burundi) - 63% (Liberia) | Number of women who most recently received their FP method by source | Current users of modern contraception aged 15-49 years, married or in union | "Don't know" and missing responses excluded from analysis |
| Berman & Rose (1996) | Not stated | Private market share for contraceptive users | **Botswana** 7.3%**Kenya** 27.8%**Sudan**  35.9%**Uganda** 44.1% | Number of women who obtained method from private sector source | "Reported use" | Not stated |
| Campbell et al. (2015) | Most recent FP supply | Private sector market share for modern methods among (a) all users, (b) users with classifiable source | (a) 35%(b) 38% | Number of women who most recently obtained their modern FP method from a private sector source | All women aged 15-49 years who are currently using modern FP from a source with a classifiable sector | Provided estimates including and excluding women with missing information on sector of care |
| Campbell et al. (2016) | Not stated | Private market share for:(a) Users of modern methods(b) Users of appropriate delivery care | (a) Overall: 38%; Range (6% - 80%)(b) Overall: 22%; Range (0% - 77%) | (a) Number of women who obtained method from private sector source(b) Number of women who delivered their most recent child in the private sector | (a) All women aged 15-49 years who are currently using modern FP from a source with a classifiable sector(b) All women 15-49 years who used appropriate care from a classifiable sector | Women with source of care whose sector or location of care could not be classified were excluded from analysis |
| Chakraborty et al. (2016) | Not stated | (a) Franchised clinic market share for current FP users(b) Other private market share for current FP users | (a) 1.58% - 16.78%(b) 20.12% - 27.89% | Number of women who obtained their method from a private source | Current users of any FP, aged 15-49 years and sexually active | Not stated |
| Chapman et al. (2012) | Most recent condom supply | (a) Private market share for condoms(b) Pharmacy market share for condoms(c) Shop market share for condoms | **MEN(a)**T1: 0.1% (Cameroon, 1998) - 17.6% (Malawi, 2000)T2: 0.7% (Guinea, 2005) - 11.6% (Uganda, 2006)**(b)**T1: 0.1% (Malawi, 2000) - 36.9% (Guinea, 1999)T2: 0.1% (Malawi, 2004) - 13.6% (Mali, 2006)**(c)**T1: 9.3% (Namibia, 2000) - 83.3% (Benin, 2001)T2: 40.4% (Zambia, 2007) - 70.7% (Kenya, 2003)**WOMEN(a)**T1: 0.7% (Cameroon, 1998) - 16.0% (Malawi, 2000)T2: 0.9% (Namibia, 2000) - 15.8% (Uganda, 2006)**(b)**T1: 0.0% (Malawi, 2000) - 26.5% (Cameroon, 1998)T2: 0.1% (Malawi, 2004) - 26.0% (Mali, 2006)**(c)**T1: 20.6% (Namibia, 2000) - 72.9% (Benin, 2001)T2: 31.3% (Zambia, 2007) - 67.4% (Cameroon, 2004) | Number of wo(men) who obtained their condom from a private source | Wo(men) who used a condom at last intercourse with non-marital, non-cohabiting partner | Not stated |
| Delamou et al.(2014) | Not stated | Private sector market share for (a) oral contraceptives, (b) injectables, (c) condoms | 1999 - 2005(a) 43.6% - 46.6%(b) 17.6% - 10.1%(c) 83.1% - 46.6% | Number of women who obtained method from a private medical or not medical sector source | not stated | Included in other/unspecified category |
| Egede et al. (2015) | Not stated |  (a) Private hospital market share for modern FP(b) Patent medicine dealer market share for modern FP(c) Open market market share for modern FP | (a) 13%(b) 51%(c) 5% | Number of women who received FP from a private sector source | Current users of modern FP | Not stated |
| Fotso et al. (2013) | Not stated | Private/other sector market share for modern methods | 1993: 43.5%1998: 47.4%2003: 55.1% | Number of women who received modern FP from private/other source | Current users of modern contraception, currently married | Not stated |
| Hopstock et al. (1997) | Most recent FP supply | n/a | n/a | n/a | n/a | n/a |
| Hotchkiss et al. (2011) | Most recent FP supply | Private commercial share for modern methods | **Nigeria** 1999: ~35%2008: ~59%**Uganda**1989: ~10%2006: ~55% | Number of women who most recently obtained method from a private commercial source | Current users of modern contraception aged 15-49 years, married or in union | Not stated |
| Khan et al. (2007) | Most recent FP supply | (a) Private medical market share for modern methods(b) NGO market share for modern methods | (a) Lowest: 8%, Burkina Faso, 2003Highest: 57%, Nigeria, 2003(b)Lowest: 0%, many countriesHighest: 12%, Malawi, 2000How to show changes over time for multple countries? | Number of women who most recently obtained method from a private medical or NGO source | Current users of modern contraception aged 15-49 years, married or in union | Not stated |
| Lafort et al. (2016) | Most recent FP supply | (a) Private clinic market share for FP(b) Night clinic/NGO market share for FP(c) Informal health sector market share for FP | (a) 0.8%(b) 30.1%(c) 15.1% | Number of women who received FP from a private sector source | Current users of any FP | Not stated |
| Lewis & Kenney (1988) | Not stated | (a) Commercial market share for all (modern & traditional) FP methods(b) NGO market share for all (modern & traditional) FP methods | **Kenya**(a) 8.4%(b) 32.2%**Liberia**(a) 18.3%(b) 48.2%**Senegal**(a) 50.0%(b) --**Zaire**(a) 28.7%(b) 3.6%**Zimbabwe**(a) 9.2%(b) 46.2% | Number of women who received FP from a private sector source | Current users of any FP | Not stated |
| Measurement, Learning & Evaluation project et al. (2011) | Most recent FP supply | (a) Private facility market share for modern methods(b) Pharmacy/chemist market share for modern methods | (a) ~10% (Kakamega) - 44% (Mombasa) (b) 11% Kakamega - 25% (Nairobi) | Number of women who most recently obtained method from a private sector source | Current users of modern contraception, aged 15-49 years | Not stated |
| Nguyen et al. (2011) | Not stated | (a) Private for profit (facilities) market share for modern methods(b) Private for profit (pharmacies) market share for modern methods(c) Private not for profit market share for modern methods | Exact figures not given --displayed in bar chart; also gives private market share for pills, IUDs, and condoms separately | Number of women who obtained method from private sector source  | Current users of modern contraception aged 15-49 years | Not stated |
| Obare et al. (2015) | Most recent FP supply | Private facility market share for any FP | 2010/11: 14.4% - 15.6%2012: 70.7% - 71.4% | Number of women who received FP from private facility | All women who used FP in the past 12 months | Including in other sector/missing category |
| Onwujekwe et al. (2013) | Not stated | Market share for individual methods | Oddly defined/calculated | Number of individuals that received method from private hospital, pharmacy, or patent medical vendor | Not clear | Not stated |
| Oye-Adeniran et al. (2005) | Not stated | (a) Private clinic/hospital market share for all FP methods(b) Chemist/patent medicine shop(c) Market vendor market share for all FP methods(d) Roadside vendor/kiosk market share for all FP methods(e) Drug peddler market share for all FP methods | (a) 10.2%(b) 19.7%(c) 4.5%(d) 0.8%(e) 0.4% | Number of women who procured their method from sources (a)-(e) | Current users of any FP, 15-49 years | Not stated |
| Oye-Adeniran et al. (2006) | First FP supply | Chemists/patent medicine shop market share for FP | 16.40% | Number of women who received FP from a chemist/patent medicine shop | Women who had ever used contraception (?) | Women without information on first source of care were excluded from analysis |
| Rosen and Conly (1999) | Not stated | Private commercial share for modern methods | 27%0.3% (Rwanda, 1992) - 68% (Cote d'Ivoire, 1994) | Number of women using modern contraception from a private commercial source | Current users of modern contraception aged 15-49 years, married or in union | Not stated |
| Ross et al. (2005) | Not stated | (a) Private medical market share for modern methods(b) Other private market share for modern methods | (a) 1.2% (Burundi, 1987) - 53.9% (Liberia, 1986)(2) 0.0% (Eritrea, 2002) - 35.8% (Togo, 1998) | Number of women using modern contraception from a private medical or other private source | Current users of modern contraception | Included in the denominator |
| Sidze et al. (2014) | Most recent FP supply | (a) Private (commercial) sector market share for modern methods(b) Private hospital/clinic market share for modern methods(c) Other private market share for modern methods(d) NGO/other market share for modern methods | (a) 26.1%(b) 8.2%(c) 17.9%(d) 7.4% | Number of women who received FP from a private sector source | Current users of modern contraception, aged 15-29 years | Not stated |
| Ugaz et al. (2015) | Not stated | (a) Private medical sector market share for modern methods(b) Private medical sector market share for long acting/permanent methods(c) Private medical sector market share for short-acting methods | **1992-2000**(a) Overall: 27%(b) Overall: 1.2%; Range: **1998-2006** Overall: 30%Range:**2005-2012**Overall: 28%Range: | Number of women using modern contraception from a private sector source | Current users of modern contraception aged 15-49 years, married or in union | Not stated |
| Wang et al. (2012) | Most recent FP supply | (a) Private hospital/clinic (excl. condoms)(b) Private pharmacy market share for modern nethods (excl. condoms)(c) Other private market share for modern methods (excl. condoms)(d) Shop market share for modern methods (excl. condoms) | **Kenya (2003 & 2008/09)**(a) 27.1% (2008/09) - 36.6% (2003)(b) 5.3% (2003) - 9.2% (2008/09)(c) 0.6% (2008/09) - 1.9% (2003)(d) 0.1% (2008/09) - 0.2% (2003)**Rwanda (2007/08)**(a) 3.0%(b) 0.5%(c) 2.2%(d) 0.0%**Tanzania (2004/05)**(a) 9.6%(b) 5.9%(c) 4.0%(d) 0.4%**Uganda (2006)**(a) 47.8%(b) 5.8%(c) 0.8%(d) 0.0% | Number of women who most recently obtained method from a private sector source | Current users of modern contraception (excl condoms) aged 15-49 years, married or in union | Included in other/missing category |
| White & Corker | Not stated | Private/NGO market share for IUDs | **Mali:** 21.7%**Uganda:** 50.4% | Not stated | not stated | Including in other sector/missing category |
| Winfrey et al. (2000) | Most recent FP supply | (a) Commercial market share for modern methods(b) NGO market share for modern methods | (a) ~5% (Niger) - 50% (Cameroon)(b) ~0.0% (Niger) - 50% (Liberia) | Number of women who obtained method from private sector source  | Current users of modern contraception, married or in union | Not stated |
| Wodon et al. (2012) | Not stated | (a) Private medical sector market share for modern FP(b) Private medical sector market share for non-modern FP | (a) Simple average: 27.98% 1.78% (Sao Tome & Principe, 2008/9) - 61.16% (Nigeria, 2008)(b) Simple average: 9.24%0.63% (Mozambique, 2003) - 33.45 (DRC, 2007) | Number of women who received FP from a private sector source | (a) Modern family planning users(b) Non-modern family planning users | Not stated |

**Childbirth service market share**

| **Reference** | **Unit of analysis** | **Outcome** | **Private sector market share estimate(s)** | **Numerator** | **Denominator** | **Treatment of missing information (source of care)** |
| --- | --- | --- | --- | --- | --- | --- |
| Benova et al. (2015) | Most recent birth | Private sector market share for delivery care among: (a) all women who used appropriate care (in facility or with SBA), (b) women who used appropriate care in classifiable sector | (a) 20%(b) 22% | Number of women who deliverd in a private sector source | (a) All women who used appropriate care(b) Women who used appropriate care from a classifiable sector | Provided estimates including and excluding women with missing information on sector of care |
| Campbell et al. (2016) | Most recent birth | Private market share for users of appropriate delivery care | Overall: 22%; Range (0% - 77%) | Number of women who delivered their most recent child in the private sector | All women 15-49 years who used appropriate care from a classifiable sector | Women with source of care whose sector or location of care could not be classified were excluded from analysis |
| Echoka et al. (2013) | All births captured in facility records during study period | (a) Private market share for facility births(b) Voluntary market share for facility births | (a) 10.0%(b) 2.8% | Number of births that occurred in a private or voluntary facility | All births recorded in facility records | Not stated |
| Matshidze et al. (1998) | All births captured in facility records during study period | Private market share for facility births | 15% | Number of women who delivered in private facility | All women who delivered in a facility | Not stated |
| Olusanya et al. (2010) | Not stated | Private market share for hospital births | 50.3% | Number of women who delivered in a private hospital | Women who sought care at selected BCG clinics and gave birth in a hospital  | Not stated |
| Tabatabai et al. (2014) | All births captured in facility records during study period | (a) NGO market share for normal deliveries in hospitals(b) NGO market share for c-sections in hospitals | (a) 27.6%(b) 47.9% | Number of normal deliveries or c-sections that occurred in an FBO hospital | All births recorded in hospital records as belonging to women who delivered at a hospital in their home district | Not stated |
| Waiswa et al. (2015) | Not stated | Private sector market share for facility deliveries at endline | Baseline: 36%Endline: 22% | Number of women who delivered in a private facility | All women of childbearing age who delivered in a health facility | Not stated |

**Family planning coverage**

| **Reference** | **Unit of analysis** | **Outcome** | **Estimate** | **Need definition** | **Numerator** | **Denominator** | **Treatment of missing information** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Campbell et al. (2015) | Most recent FP supply | Private sector coverage of modern FP need | Overall: 14%2.1% (Chad, 2004) - 29.5% (Swaziland, 2006/7) | (a) Using a modern method OR(b) Did not desire birth in next 2 years & married or have had sex in past 30 days AND(c) Not infecund or menopausal | Number of women who most recently obtained their modern FP method from a private sector source | All women aged 15-49 years in need of family planning | Women with missing information on FP need considered to not have FP need; no missing information on delivery need; women who sought care from unclassifiable source not included in private sector  |
| Campbell et al. (2016) | Not stated | Private sector coverage of:(a) modern family planning need(b) delivery care need | (a) Overall: 14%(b) Overall: 10% | (a) see Campbell et al (2015)(b) All women with birth in survey recall period | (a) Number of women who obtained a modern method from a private sector source(b) Number of women who received appropriate delivery care in the private sector | (a) All women in need of FP(b) All women who gave birth in survey recall period | Women with missing information on FP need considered to not have FP need; no missing information on delivery need; women who sought care from unclassifiable source not included in private sector  |
| Hopstock et al. (1997) | Most recent FP supply | Proportion of married women using a modern method from:(a) Commercial source(b) Nonprofit source | (a) 0.0% (Burundi, 1987) - 4.9% (Ghana, 1993)(b) 0.0% (Burundi, 1987; Niger, 1992; Rwanda, 1992) - 6.7% (Kenya, 1993) | All women aged 15-49 years, married or in union | Number of women using modern FP from a private source | All women aged 15-49 years, married or in union | Included in "other" category |
| Ugaz et al. (2015) | Not stated | Proportion of married women using: (a) long acting/permanent modern FP from private sector source(b) short acting modern FP from private sector source | 1992-2000: (a) 0.8%, (b) 2.4%1998-2006: (a) 0.9%, (b)3.9%2005-2012: (a) 1.1%, (b) 4.6% | All women aged 15-49 years, married or in union | Number of women using modern FP from a private sector source | All women aged 15-49 years, married or in union | Not stated |
| Winfrey et al. (2000) | Most recent FP supply | Proportion of married women using a modern method from the commercial sector | 0.02% (Mali, 1987) - 5.36% (Zimbabwe,1994) | All women married or in union | Number of women using modern FP from a commercial source | All women married or in union | Not stated |

**Childbirth service coverage**

| **Reference** | **Unit of analysis**  | **Outcome** | **Estimate** | **Need definition** | **Numerator** | **Denominator** | **Treatment of missing information** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Adogu et al. (2014) | Most recent birth | Private facility coverage of delivery care | 18.9% (rural) - 50.5% (urban) | All women with birth in past 5 years | Number of women who delivered in a private hospital | All women who gave birth in the past 5 years | Included in "no response" category |
| Bazant et al. (2009) | Not stated | Private sector coverage of delivery care | 45% | All women with birth in study recall period | Number of women who delivered in a private sector facility | All women aged 15-49 years who gave birth in recall period | Not stated |
| Bell et al. (2003) | All live births in study recall period | Private facility coverage of delivery care | **Ghana** 1988: unknown1993: 5.1%1998: 5.4%**Malawi**1992: 10.5%2000: 10.5% | All live births that occurred within 3 years prior to survey | Number of births delivered in a private sector hospital or health center | All live births that occurred in the 3 years before the survey (multiples only counted once) | Not stated |
| Benova et al. (2015) | Most recent birth | Private sector coverage of delivery care | 10% | All women with birth in study recall period | Number of women who delivered in a private sector facility | All women aged 15-49 years who gave birth in recall period | Women whose source of care was missing or could not be classified were included in an "unclassifiable" category |
| Brugha et al. (2003) | Not stated | Private sector coverage of delivery care | 11.20% | Not stated | Number of women who delivered in a private sector facility | Not stated | Not stated |
| Campbell et al. (2016) | Most recent birth | Private sector coverage of delivery care need | Overall: 10% | All women with birth in survey recall period | Number of women who received appropriate delivery care in the private sector | All women who gave birth in survey recall period | Women with missing information on FP need considered to not have FP need; no missing information on delivery need; women who sought care from unclassifiable source not included in private sector  |
| Echoka et al. (2013) | All births captured in facility records during study period | n/a | n/a | n/a | n/a | n/a | n/a |
| Ganle et al. (2014) | Most recent live birth or stillbirth | Private facility coverage of delivery care | 11% | All women with a live birth or stillbirth in the study recall period | Number of women who delivered in a private sector facility | All women aged 15-49 years with live birth or still birth in study recall period | Women whose source of care was missing were included in a "missing" category |
| Hodgkin (1996) | Most recent birth that occurred in a household | (a) Missionary hospital/health center coverage of delivery care(b) Private hospital/health center coverage of delivery care | (a) 16.7%(b) 2.0% | All births that occurred within 1 year prior to the survey | Number of births that occurred in a private facility | All women who gave birth in the past 1 year | Only described for the covariates, not the outcome |
| Ikeako et al. (2006) | Most recent birth | Private obstetrician-run hospital coverage of delivery care | 17.7% | All births that occurred within 3 months prior to survey | Number of births delivered in private obstetrician-run hospital | All births that occurred in the 3 months before the survey | Not stated |
| Iyaniwura & Yussuf (2009) | Most recent birth | Private hospital coverage of delivery care | 24.5% | All births that occurred within 5 years prior to survey | Number of births delivered in a private hopsital | All births that occurred within 5 years prior to survey | Not stated |
| Johnson et al. (2009) | Most recent birth | Private institution coverage of delivery care | 1998: 11.4%2003: 8.6% | All women with a birth in the study recall period | Number of women who delivered in a private institution | All women with a birth in study recall period | Not stated |
| Kruk et al. (2009) | Most recent birth | Mission health facility coverage of delivery care | 17.0% | All women with birth in past 5 years | Number of births that occurred in a mission facility | All women who gave birth in the past 5 years | Not stated |
| Limwattananon et al. (2011) | Woman- based definition, all births pooled and source of care determined by algorithm:Public: At least one delivery in a public institution, regardless of where the other births occurredPrivate (only): At least one delivery in a private institution, with no deliveries in a public institutionNon-institutional: All births occured in a non-institutional setting | Private institutional (only) coverage | Estimates difficult to ascertain from included figure | Women with at least one delivery in survey recall period | Number of women who fulfill criteria for "private institutional" category | All women with at least one delivery in survey recall period | Not stated |
| Matshidze et al. (1998) | All births captured in facility records during study period | n/a | n/a | n/a | n/a | n/a | n/a |
| Measurement, Learning & Evaluation project et al. (2011) | Most recent birth | Private facility coverage of delivery care | 17% (Kakamega) - 44% (Nairobi) | All women with birth in study recall period | Number of women who delivered in a private sector facility | All women aged 15-49 years who gave birth in recall period | Not stated |
| Nketiah-Amponsah and Arthur (2013) | Not stated | Proportion of expectant mothers who delivered in a private facility | No overall estimate given; only given for sub-groups | Not stated | Number of women who delivered in a private sector facility | All women aged 15-49 who are expectant mothers | Not stated |
| O'Meara et al. (2015) | Most recent birth | Private clinic coverage of delivery care | 0.5% - 5.2% | All women who gave birth within 5 years prior to survey | Number of births that occurred in a private clinic | All births that occurred in the 5 years before the survey | Not stated |
| Obare et al. (2014) | All births that occured in 2 years before survey | Private facility coverage of delivery care | 2010/11: 6.5% - 21.1%2012: 13.2% - 29.9% | All births that occurred within 2 years prior to data collection | Number of births that occurred in a private facility | All births that occurred in the 2 years before the survey | Not stated |
| Obare et al. (2015) | Most recent live birth in 2 years before the survey | Private facility coverage of delivery care | 2010/11: 12.7% - 14.1%2012: 13.0% - 21.9% | All women who gave birth within 2 years prior to data collection | Number of births that occurred in a private facility | All women with at least one delivery in 2 years before the survey | Included in home/missing/other category |
| Olusanya et al. (2010) | Not stated | n/a | n/a | n/a | n/a | n/a | n/a |
| Osubor et al. (2006) | Not stated | Private clinic coverage of delivery care | 49.4% | All women with birth in the past 1 year | Number of women who delivered in a private clinic | All women aged 15-49 who delivered in the past 1 year | Not stated |
| Tabatabai et al. (2014) | All births captured in facility records during study period | n/a | n/a | n/a | n/a | n/a | n/a |
| Waiswa et al. (2015) | Not stated | Private facility coverage of delivery care | Baseline: 25.1%Endline: 17.4% | Baseline: All women who have a child 1-4 monthsEndline: All women of childbearing age with live birth in past 12 months | Number of women who delivered in a private sector facility | Baseline: All women who have a child 1-4 monthsEndline: All women of childbearing age with live birth in past 12 months | Women whose source of care was missing were included in a "missing" category |
| Wodon et al. (2012) | Most recent birth | Private medical sector coverage of delivery care | Simple average: 6.78% 0.11% (Comoros, 1996) - 21.81% (DRC, 2007) | Most recent birth | Number of women who delivered in the private sector for their last birth | All women who gave birth (unspecified period) | Not stated |
| Yoong et al. (2010) | All live births in study recall period | Private facility coverage of delivery care | Simple average: 7.7% | All live births that occurred within 3 years prior to survey | Number of births delivered in a private sector facility | All live births that occurred in the 3 years before the survey | Not stated |