

Sonipat (GEN)

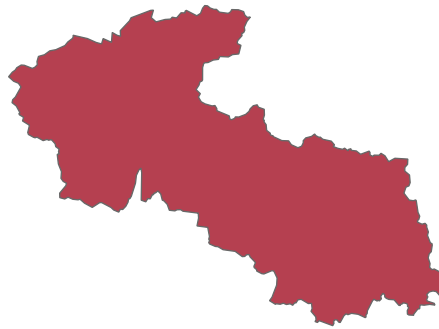
Haryana

No. of Electors (2019): 15,92,611

Intersecting Districts

Jind

Sonipat



What this Factsheet Contains

This Factsheet is based on our interactive **NFHS Policy Tracker for Parliamentary Constituencies (PCs)**—part of our **India Policy Insights** initiative. It provides performance measures for 93 indicators and a side-by-side comparison with national and state averages for each PC. It also shows the net change between 2016 and 2021 for 86 indicators to highlight performance gains and losses. The Factsheet additionally lists the intersecting districts for each PC and links each indicator to a current GOI program, thereby readily providing a policy and program context for its meaningful use. See: <https://geographicinsights.iq.harvard.edu/nfhs-tracker-pc>

Indicator Summary (2021)

Number of Indicators better than All-India average



Number of Indicators better than State average

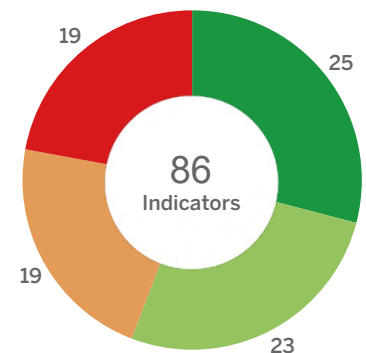


Indicator Change Summary (Between 2016 and 2021)

Ranking based on Percentage of Indicators showing Any Improvement (out of 543 PCs)



● Highest Improvement | ● Improvement | ● Worsened | ● Extremely Worsened



Top 15 Indicators showing Improvement

- 3 doses of penta or hepatitis B vaccine
- Exclusive breastfeeding (within 6 months)
- Mothers received postnatal care
- At least 4 antenatal care visits
- Wasting
- Iron folic acid for 100 days
- Underweight
- Iron folic acid for 180 days
- Health insurance coverage
- Clean fuel for cooking
- Children with diarrhoea taken to health facility
- Institutional births
- Stunting
- Alcohol consumption (Men)
- Anemia (All women)

Top 15 Indicators showing Worsening

- Children with diarrhoea who received ORS
- Vitamin A dose in the last 6 months
- Female sterilization
- Overweight or obese (Women)
- Interaction of health worker
- Caesarean section in private sector
- High or very high or taking medicine (Women)
- Any modern method
- High or very high or taking medicine (Men)
- Mild blood pressure (Women)
- Caesarean section delivery
- Last birth protected against neonatal tetanus
- Home delivery by skilled health personnel
- Children with fever or ARI taken to health facility
- Postnatal check by skilled health workers

For more details, see the complete listing of Improving or Worsening Indicators (pp. 2-4).

Indicator %	Government of India Programs	India 2021	State 2021	PC 2021	PC Change 2021-2016	
Population and Household Profile						
Female school attendance	RTE, NEP, SSA, KGBV, DGAG, NSIG, SVSGC, BBBP, SWAYAM	71.8	73.8	77.8	4.2	●
Health insurance coverage	PMJAY, PMSBY, AABY	41	25.6	22.7	13.3	●
Clean fuel for cooking	PMUY	58.6	59.5	62.7	12.6	●
Improved sanitation	SBM	70.2	85	88.7	4.3	●
Improved water	JJM, ABY, Amrit sarovar, Jaldoot, PMAY-G, SBM-G	95.9	98.6	96.5	3.3	●
Iodized salt	NIDDCP, Fortification	94.3	96.1	96.9	-0.2	●
Population below 15 years	RKSK, RBSK	26.5	25.3	24.3	-2	●
Population in household with electricity	Saubhagya, DDUGJY, KUSUM, Ujjwala-DISCOM, IPDS, SCM, JNNURM, WISTS, NSM, PMAY-U, JNNURM, AMRUT, MPLADS	96.8	99.6	99.7	0	●
Birth registration	RBDA	89.1	95.1	97.3	-1.3	●
Death registration	RBDA, MDSR	70.8	86.4	93.1		
Characteristics of Women						
Literate women	NILP	71.5	81.7	86.7	4.8	●
10 or more years of schooling (Women)	RUSA, ATL, RAA, DIKSHA, NEP	41	49.5	53.1	-1.2	●
Marriage and Fertility						
Adolescent pregnancy	POCSO, MTP	6.8	3.9	2.8	-1.8	●
Child marriage (Women)	PCM	23.3	12.5	12.5	-5.5	●
Menstrual hygiene	SPMH, AFHC, AHS, PEP, RKSK, SBM-G	77.6	93.2	97.7	8.1	●
Third or higher order birth	ESB, HDC, MPV, MTP, NPP	26.5		25.4	3.3	●
Current Use of Family Planning Methods						
Condom	NPP, MPV, HDC, NRHM	9.5	18.1	15	5.9	●
IUD/PPIUD	NPP, MPV, RPF-PPIUCD, NRHM	2.1	5	6.7	0.9	●
Male sterilization	MPV, NSV, FPIS, NRHM	0.3	0.9	1	0.8	●
Any contraceptive method	NPP, MPV, NRHM, FPIS, ECS, RPF-PPIUCD, Antara, ESB, HDC	66.7	73.1	79.8	1.6	●
Pill	NPP, MPV, Chayya, Mala-N, NRHM	5.4	2.8	2.7	-0.1	●
Any modern method	NPP, MPV, NRHM, FPIS, ECS, RPF-PPIUCD, Antara, ESB, HDC	56.4	60.5	62.3	-7.9	●
Female sterilization	MPV, FPIS, NRHM	37.9	32.3	32.2	-16.9	●
Injectables	NPP, MPV, Antara, NRHM	0.6	0.4	0.3		
Unmet Need for Family Planning						
Unmet need for spacing	NPP, MPV, ESB, NRHM, FPIS, ECS, RPF-PPIUCD, Antara, HDC	4	3.3	1.9	-0.4	●
Total unmet need	NPP, MPV, RPF-PPIUCD, Antara, ESB, HDC, NRHM, FPIS, ECS	9.4	7.6	5	0.4	●
Quality of Family Planning Services						
Current users ever told about side effects	NPP, MPV, NRHM	62.4	69.1	69.4	-3.5	●
Interaction of health worker	MPV, NRHM, ESB, JSSK	23.9	24.9	26.7	-10.1	●
Maternal and Child Health						
Iron folic acid for 100 days	AMB, POSHAN, NAP, WIFSP, RBSK, TBSY	44.1	51.2	46.8	14.2	●
Iron folic acid for 180 days	AMB, POSHAN, NAP, WIFSP, RBSK, TBSY	26	32	27.7	13.4	●

Indicator %	Government of India Programs	India 2021	State 2021	PC 2021	PC Change 2021-2016	
At least 4 antenatal care visits	PMSMA, PMMVY, JSSK	58.5	60.4	61.5	16.6	●
Mothers received postnatal care	PMSMA, PMMVY, MCC, JSSK	78	91.3	96.5	25.3	●
Antenatal check-up in the first trimester	PMSMA, PMMVY, JSSK	70	85.2	86.3	9	●
Mother and Child Protection card received	None	95.9	96.8	97.7	0.3	●
Postnatal check by skilled health workers	JSSK, SMA, MCC, ICDS, NSSK	11.5	91	12	-3.9	●
Last birth protected against neonatal tetanus	PMMVY, PMSMA, SMA, ICDS, JSSK, LQI	92	90.7	92.8	-4.9	●
Delivery Care						
Births by skilled health personnel	JSY, JSSK, LQI, HBNC	89.4	94.4	96	6.2	●
Institutional births	JSY, JSSK, LQI, PMMVY, PMSMA, MCC	88.6	94.9	99.4	12	●
In public facility	JSY, JSSK, LQI, PMMVY, PMSMA, MCC	61.9	57.5	63.4	6.4	●
Caesarean section in private sector	JSY, JSSK, LQI	47.5	33.9	28.1	9.7	●
Caesarean section in public sector	JSY, JSSK, LQI	14.3	11.7	8.1	1.6	●
Caesarean section delivery	JSY, JSSK, LQI	21.5	19.4	14.8	6.6	●
Home delivery by skilled health personnel	BMBP, HBNC, SMB, PMMVY, ICDS-ANM	3.2	1.1	0.3	-4.5	●
Child Vaccinations and Vit A Supplements						
3 doses of penta or hepatitis B vaccine	IMI	83.9	87.4	90.7	28.6	●
3 doses of penta or DPT vaccine	IMI	86.7	88.5	91.7	6	●
3 doses of polio vaccine	IMI, PPP	80.5	80.6	86.6	0.7	●
First dose of measles-containing vaccine	IMI	87.9	89.4	91.5	0.1	●
Full vaccination	IMI, PPP	76.6	76.9	82.9	9.7	●
Full vaccination (Source from card only)	IMI, PPP	74.3	81.1	81.8	-1.3	●
Vitamin A dose in the last 6 months	NVAPP	71.2	64.9	59.4	-20.9	●
3 doses of rotavirus vaccine	IMI	36.4	79.8	83.5		
Second dose of measles-containing vaccine	IMI	58.6	32	52		
Treatment of Childhood Diseases						
Children with diarrhoea taken to health facility	RBSK, IDCF	76.2	76.1	84.4	12.1	●
Children with diarrhoea who received zinc	RBSK, IDCF	30.5	26.2	24.9	2.5	●
Children with fever or ARI taken to health facility	NTEP, RBSK, SANPS	69	73.5	80.1	-4.5	●
Prevalence of ARI	NTEP, RBSK, SANPS, RM-ARI	2.8	2.3	1.9	0.4	●
Prevalence of diarrhoea	RBSK, IDCF	7.3	4.9	4.3	0.4	●
Children with diarrhoea who received ORS	RBSK, IDCF	60.6	46.6	51.1	-21.5	●
Child Feeding and Nutritional Status						
Exclusive breastfeeding (within 6 months)	MAA, LMC	63.7	69.4	72.7	27.3	●
Overweight	POSHAN	3.4	3.3	2.3	-2.1	●
Stunting	POSHAN, ICDS, AK, NRC, RBSK, BPKK	35.5	27.5	23.2	-11.7	●
Breastfed within one hour of birth	MAA, LMC, JSSK	41.8	41.6	32	-3.1	●

Indicator %	Government of India Programs	India 2021	State 2021	PC 2021	PC Change 2021-2016	
Adequate diet (Breastfeeding - 6-23 months)	MAA, LMC, NFSA, POSHAN	10.8	11.9	7.9	3.5	●
Severe wasting	POSHAN, ICDS, AK, NRC, RBSK, BPKK	7.7	4.4	2.4	-7.3	●
Underweight	POSHAN, ICDS, AK, NRC, RBSK, BPKK	32.1	21.4	16	-13.5	●
Wasting	POSHAN, ICDS, AK, NRC, RBSK, BPKK	19.3	11.5	7.8	-15.1	●
Adequate diet (All children - 6-23 months)	NFSA, TPDS, POSHAN, WBNP, AK, RKVY, PMMVY, AAY	11	11.8	7.7	2.9	●
Adequate diet (Non-breastfeeding - 6-23 months)	NFSA, TPDS, POSHAN, WBNP, AK, RKVY, PMMVY, AAY	12.3	11.1	6.3	0.7	●
Receiving solid/semi-solid food (6-8 months)	POSHAN, ICDS	45.9	43	40.4	7.7	●
Nutritional Status of Women						
BMI below normal (Women)	AK, NRC, BPKK, NFSA, TPDS, POSHAN	18.7	15.1	14.2	-0.3	●
Overweight or obese (Women)	IHIP, PMSSY, NPCDCS	24	33	37.3	13.1	●
Risky waist-to-hip ratio (Women)	IHIP, PMSSY, NPCDCS	56.7	62.6	56.4		
Anemia among Children and Women						
Anemia (All adolescent women)	AMB, NAP, WIFSP, RSKS, TBSY	59.1	62.3	51.9	-10.7	●
Anemia (All women)	AMB, NAP, WIFSP	57	60.4	53.6	-10.8	●
Anemia (Non-pregnant women)	AMB, NAP, WIFSP	57.2	60.6	56.5	-8	●
Anemia (Pregnant women)	AMB, NAP, WIFSP, PMSMA, JSSK	52.2	56.4	56.4	-2.4	●
Anemia (Children)	AMB, POSHAN, NAP, WIFSP, RBSK, TBSY	67.1	70.4	69.5	3.5	●
Blood Sugar Level among Adults						
High (141-160 mg/dl) (Men)	NPCDCS, AMRIT, eAushidhi, IHIP, PMSSY, ABWC	7.3	6.4	5.9	3	●
High (141-160 mg/dl) (Women)	NPCDCS, AMRIT, eAushidhi, IHIP, PMSSY, ABWC	6.1	5.4	5.7	3.5	●
High or very high or taking medicine (Men)	NPCDCS, AMRIT, eAushidhi, IHIP, PMSSY, ABWC	15.6	13.5	12.6	7.5	●
High or very high or taking medicine (Women)	NPCDCS, AMRIT, eAushidhi, IHIP, PMSSY, ABWC	13.5	11.9	12.3	8.4	●
Very high (>160 mg/dl) (Men)	NPCDCS, AMRIT, eAushidhi, IHIP, PMSSY, ABWC	7.1	6.2	5.4	3.3	●
Very high (>160 mg/dl) (Women)	NPCDCS, AMRIT, eAushidhi, IHIP, PMSSY, ABWC	6.3	5.7	5.1	3.7	●
Hypertension among Adults						
Mild blood pressure (Men)	NPCDCS, HIHC, AMRIT, eAushidhi, IHIP, PMSSY, ABWC	15.7	16.6	15.3	3.4	●
Moderate or severe blood pressure (Women)	NPCDCS, HIHC, AMRIT, eAushidhi, IHIP, PMSSY, ABWC	5.2	5.4	4.3	2.6	●
Mild blood pressure (Women)	NPCDCS, HIHC, AMRIT, eAushidhi, IHIP, PMSSY, ABWC	12.4	12.3	11.5	6.9	●
Moderate or severe blood pressure (Men)	NPCDCS, HIHC, AMRIT, eAushidhi, IHIP, PMSSY, ABWC	5.7	6.9	5.8	3.3	●
Blood Pressure - High/Medication (Men)	NPCDCS, HIHC, AMRIT, eAushidhi, IHIP, PMSSY, ABWC	24	25.1	21.2		
Blood Pressure - High/Medication (Women)	NPCDCS, HIHC, AMRIT, eAushidhi, IHIP, PMSSY, ABWC	21.3	21	18.2		
Tobacco and Alcohol Use among Adults						
Alcohol consumption (Men)	IRCA, NPCDCS	18.8	16.1	17	-11	●
Tobacco use (Men)	NTCP, COTPA, PEC	38	29.1	32.4	-6.5	●
Tobacco use (Women)	NTCP, COTPA, PEC	8.9	2.5	0.1	-0.7	●
Alcohol consumption (Women)	IRCA, NPCDCS	1.3	0.3	0	0	●

Notes

India 2021: indicates values from the NFHS-5 All-India Report/Factsheet.

State 2021: indicates values from the NFHS-5 State/Union Territory (UT) Factsheets. Blank indicates no value reported in NFHS-5 State/UT Factsheets.

PC 2021: indicates estimated values from NFHS-5 microdata. Blank indicates not applicable, as the underlying sample population was not observed.

PC Change 2021-2016: indicates percentage point difference between NFHS-5 and NFHS-4. Blank indicates not applicable, as the underlying sample population was not observed or a comparable indicator was unavailable in NFHS-4. Symbol colours indicate the change that a PC experienced on an indicator in relation to all PCs. ● **Highest Improvement** | ● **Improvement** | ● **Worsened** | ● **Extremely Worsened**

Data Rounding: values are rounded to one decimal place.

PC Status: General (GEN); Scheduled Caste (SC); Scheduled Tribe (ST).

PC Rank: All PCs sharing the same rank are assigned the same rank value, with subsequent ranks skipped in order to maintain continuity in the ranking sequence.

Government of India Programs: **AK:** Aahaar Kranti; **AABY:** Aam Admi Bima Yojana; **AFHC:** Adolescent Friendly Health Clinics; **AHS:** Adolescent Health Strategy; **AMRIT:** Affordable Medicines and Reliable Implants for Treatment; **AMB:** Anemia Mukh Bharat; **Antara:** Antara Programme; **ABY:** Atal Bhujal Yojana; **AMRUT:** Atal Mission for Rejuvenation and Urban Transformation; **ATL:** Atal Tinkering Labs; **ABWC:** Ayushman Bharat Health and Wellness Centres; **BBBP:** Beti Bachao Beti Padhao Yojana; **BPKK:** Bhartiya Poshan Krishi Kosh; **BMBP:** Birth Microplanning and Birth Preparedness by Skilled birth attendant; **Chayya Mala-N:** Chhaya and Mala-N tablets; **DDUGJY:** Deendayal Upadhyaya Gram Jyoti Yojana; **DGAG:** Digital Gender Atlas for Advancing Girls Education; **DIKSHA:** Digital Infrastructure for Knowledge Sharing; **eAushidhi:** eAushidhi; **ECS:** Enhanced Compensation Scheme; **ESB:** Ensuring Spacing at Birth incentive to ASHA; **FPIS:** Family Planning Indemnity Scheme; **Fortification:** Food Fortification; **GEC:** Green Energy Corridors; **HIHC:** High Impact Hypertension Control Initiative; **HBNC:** Home Based New Born Care; **HDC:** Home delivery of contraceptives scheme; **ICDS:** Integrated Child Development Services; **ICDS-ANM:** Integrated Child Development Services Auxiliary Nurse Midwife; **IHIP:** Integrated Health Information Platform; **IPDS:** Integrated Power Development Scheme; **IRCA:** Integrated Rehabilitation Centres for Addicts; **IDCF:** Intensified Diarrhoea Control Fortnight; **IMI:** Intensified Mission Indradhanush; **JJM:** Jal Jeevan Mission; **Jaldoot App:** **JSSK:** Janani Shishu Suraksha Karyakram; **JSY:** Janani Suraksha Yojana; **JNNURM:** Jawaharlal Nehru National Urban Renewal Mission; **KGBV:** Kasturba Gandhi Balika Vidyalaya; **LQI:** Labour Room Quality Improvement Initiative; **LMC:** Lactation Management Centres; **MDSR:** Maternal Death Surveillance and Response; **MTP:** Medical Termination of Pregnancy Act; **Amrit sarovar:** Mission Amrit Sarovar; **MCC:** Mother and Child card; **MAA:** Mothers Absolute Affection; **MPLADS:** Members of Parliament Local Area Development Scheme; **NEP:** National Education Policy; **NFSA:** National Food Security Act; **NIDDCP:** National Iodine Deficiency Disorders Control Programme; **NAP:** National Nutritional Anaemia Prophylaxis Programme; **NPP:** National Population Policy; **NPCDCS:** National Programme for Prevention and Control of Cancer, Diabetes, Cardiovascular Disease and Stroke; **NRHM:** National Rural Health Mission; **NSIG:** National Scheme of Incentive to Girls for Secondary Education; **NSM:** National Solar Mission; **NSSK:** Navjaat Shishu Suraksha Karyakram; **NTCP:** National Tobacco Control Program; **NTEP:** National Tuberculosis Elimination Programme; **NVAPP:** National Vitamin A prophylaxis programme; **NILP:** New India Literacy Program; **NSV:** No scalpel vasectomy; **NRC:** Nutrition Rehabilitation Centres; **PEP:** Peer Education Programme; **KUSUM:** Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan Yojana; **PMKVY:** Pradhan Mantri Kisan Matru Vandana Yojana; **POSHAN:** POSHAN Abhiyaan; **AAV:** Antyodaya Anna Yojana; **PMAY-G:** Pradhan Mantri Awas Yojana - Gramin; **PMAY-U:** Pradhan Mantri Awas Yojana - Urban; **PMJAY:** Pradhan Mantri Jan Aarogya Yojana; **PMKVY:** Pradhan Mantri Kisan Matru Vandana Yojana; **PMSBY:** Pradhan Mantri Suraksha Bima Yojana; **PMSMA:** Pradhan Mantri Surakshit Matritva Abhiyan; **PMSSY:** Pradhan Mantri Swasthya Suraksha Yojana; **PMUY:** Pradhan Mantri Ujjwala Yojana; **POCSO:** Protection of Children from Sexual Offences Act; **PPP:** Pulse Polio Programme; **RAA:** Rashtriya Avishkar Abhiyan; **RBSK:** Rashtriya Bal Swasthya Karyakram; **RKSK:** Rashtriya Kishor Swasthya Karyakram; **RKVY:** Rashtriya Krishi Vikas Yojana; **RUSA:** Rashtriya Uchchar Shiksha Abhiyan; **NEP:** National Education Policy; **RM-ARI:** Reduction in morbidity and mortality due to Acute Respiratory Infections; **RBDA:** Registration of Births and Deaths Act; **RPF-PPUICD:** Revitalizing Postpartum Family Planning including PPIUCD; **RTE:** Right of Children to Free and Compulsory Education; **SMB:** Safe Motherhood Booklets; **SA:** Saksham Anganwadi; **SSA:** Samagra Shiksha Abhiyaan; **Saubhagya:** Pradhan Mantri Sahaj Bijli Har Ghar Yojana; **SPMH:** Scheme for Promotion of Menstrual Hygiene among Adolescent Girls; **SCM:** Smart Cities Mission; **SANPS:** Social Awareness and Actions to Neutralize Pneumonia Successfully; **SCM:** Solar Cities Mission; **SWAYAM:** Study Webs of Active-Learning for Young Aspiring Minds; **SMA:** Surakshit Matritva Ashwasan; **SBM:** Swachh Bharat Mission; **SBM-G:** Swachh Bharat Mission- Gramin; **SVSGC:** Swami Vivekananda Single Girl Child Scholarship; **TPDS:** Targeted Public Distribution System; **TBSY:** Thalassaemia Bal Sewa Yojana; **COTPA:** Cigarettes and Other Tobacco Products Act; **PCM:** The Prohibition of Child Marriage Act; **PEC:** The Prohibition of Electronic Cigarettes (Production, Manufacture, Import, Export, Transport, Sale, Distribution, Storage and Advertisement) Act; **Ujjwala-DISCOM:** Ujjwala DISCOM Assurance Yojana; **WISTS:** Waiver of Inter State Transmission System Charges; **WIFSP:** Weekly Iron Folic Acid Supplementation Programme; **WBNP:** Wheat Based Nutrition Program; **MPV:** Mission Parivar Vikas.

References

Kim R, Swaminathan A, Kumar R, Xu Y, Blossom J C, Venkataraman R, Kumar A, Joe W, Subramanian, S V. **Estimating the burden of child malnutrition across parliamentary constituencies in India: A methodological comparison.** 2019. SSM - Population Health, 7: 100375. <https://doi.org/10.1016/j.ssmph.2019.100375>

International Institute for Population Sciences (IIPS) and ICF. 2021. **National Family Health Survey (NFHS-5), 2019-21: India: Volume I.** Mumbai: IIPS. [Dataset] [Version: 7B] Accessed On: August 15, 2022. https://dhsprogram.com/Countries/Country-Main.cfm?ctry_id=57

International Institute for Population Sciences (IIPS). **National, State and Union Territory, and District Fact Sheets 2019-21 National Family Health Survey NFHS5.** November 2021. <https://data.gov.in/resource/all-india-and-stateut-wise-fact-sheets-national-family-health-survey-nfhs-5-2019-2021>

District to Parliamentary Constituency intersecting information was accessed on June 21, 2022, from <https://electoralsearch.in>

Status of Parliamentary Constituencies and Number of Electorates taken from <https://eci.gov.in>

Subramanian S V. **How data can empower MPs to serve people better.** Indian Express February 17, 2023. https://geographicinsights.iq.harvard.edu/files/geographicinsights2/files/IE_OpEd_MP_Feb17_2023.pdf

Acknowledgements

We wish to acknowledge the support of the National Informatics Centre (Bharat Maps), Demographic and Health Surveys, and the International Institute for Population Sciences in facilitating access to the data. We are also grateful to The Quantum Hub and William Joe for their helpful content feedback.

Contributions

Conceptualisation, Design, Supervision: **S V Subramanian, Rockli Kim**
Data Analysis and Visualisation: **Sunil Rajpal, Akhil Kumar, S V Subramanian, Mohit Chaurasiya, Rockli Kim, Hyejun Chi, Abigail Puno, Soohyeon Ko, Sohee Jung, Jinseo Kim**
Writing and Editing: **S V Subramanian, Jody Blackwell, Rockli Kim**
Layout and Design: **Atif Amin, Mohit Chaurasiya, S V Subramanian**

Citation

Geographic Insights Lab. **NFHS Policy Tracker for Parliamentary Constituencies.** India Policy Insights, March 2023. Cambridge, MA: Geographic Insights Lab, Harvard University (Version 2). <https://geographicinsights.iq.harvard.edu/nfhs-tracker-pc>