



## Gene-ie of the lamp



IndiGen is the first step towards using genomics to understand citizens' healthcare needs. India has ~5,000 genetic sub-groups, due mostly to caste endogamy. ~64 out of 1,000 live births today carry a congenital birth defect. By understanding the molecular basis of the problem, India is moving towards precision medicine & better health outcomes. Mapping 10,000 genomes is only the start - there are millions more to go.



## **Know Thy Enemy!**

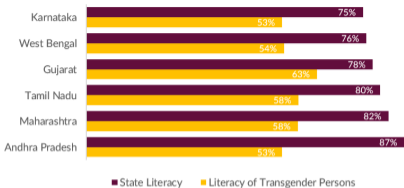
Four key lessons for New Delhi from China's National Day military parade & ongoing defence reforms: improve electronic & cyber warfare capabilities, strategically modernise conventional deterrence, acquire & use UAVs & indigenise the defence industry.

## **(Nuclear) Winter is Coming?**

Even a limited or regional nuclear exchange will result in so much smoke & debris that a fraction of the emissions could cause harvest failures & create a climate catastrophe. In the long run, the use of nuclear weapons pose an existential threat to humanity irrespective of who starts it. Given these risks, it is time for India & China to take the lead for a Global Nuclear No First Use Treaty.



# Literacy of Transgender Persons by State\*, 2011



*The actual size of the community might be under-reported by at least 4x – it also lags on key welfare indicators.*

*\*States with >10000 trans people according to the Census  
Source: 2011 Census, NHRC*

## Parting shot:

Data Records Compromised as of Q3

2018: 3.7 billion+

2019: 7.9 billion+

Data is increasingly at risk due to accidental exposure & poor security practices.

(Source: DataBreach Report, November 2019)

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