Empowered vs. regular SPs

* Regular SP by case: (By case: 334, 109, 78, 195)
* Empowered SP by case: (By case: 182, 55, 39, 46)
* Balance conduced at experiment conditionality
* Main outcomes assessed at main outcome

For this analysis, we use the Qutub project’s midline data from Mumbai (2016-2017) that contains the following breakdown:

Qualifications by case

Provider Qualification (cp\_5\_qual)

Case | Other MBBS AYUSH | Total

-----------+---------------------------------+----------

SP1 | 88 222 439 | 749

SP2 | 20 120 112 | 252

SP3 | 18 79 114 | 211

SP4 | 34 117 223 | 374

SP7 | 39 163 443 | 645

-----------+---------------------------------+----------

Total | 199 701 1,331 | 2,231

Empowered randomization by case

Tapped SP (dr\_5x)

Case | No Yes . | Total

-----------+---------------------------------+----------

SP1 | 492 253 4 | 749

SP2 | 168 83 1 | 252

SP3 | 144 67 0 | 211

SP4 | 279 93 2 | 374

SP7 | 0 0 645 | 645

-----------+---------------------------------+----------

Total | 1,083 496 652 | 2,231

Chest X-ray ordering by case for empowered assignment (regular vs. empowered)

Assigned Regular SPs (dr\_5x == 0)

Chest X-Ray

Case | No Yes . | Total

-----------+---------------------------------+----------

SP1 | 329 162 1 | 492

SP2 | 120 48 0 | 168

SP3 | 55 89 0 | 144

SP4 | 100 179 0 | 279

-----------+---------------------------------+----------

Total | 604 478 1 | 1,083

Assigned Empowered SPs (dr\_5x == 1)

Chest X-Ray

Case | No Yes | Total

-----------+----------------------+----------

SP1 | 158 95 | 253

SP2 | 70 13 | 83

SP3 | 27 40 | 67

SP4 | 40 53 | 93

-----------+----------------------+----------

Total | 295 201 | 496

For providers enrolled into assignment for the empowered randomization (N=1579), we examine balance on major outcomes (visually we include our main outcome of interest voucher given, but should only expect balance to be achieved for all outcomes except CXR voucher), followed by effects on voucher given with odds-ratios comparing empowered and not empowered SPs.

* **Among all providers**

Regardless of ordering CXR (N=1579)



Conditioned on ordering CXR (N=679)



However, since vouchers can only be given by PPIA providers (despite the randomization was evenly implemented across PPIA and non-PPIA providers), we restrict the results based on PPIA status. First, some descriptives:

Empowered assignment on whether provider was PPIA during baseline

| ppia\_wave0

Tapped SP | 0 1 | Total

-----------+----------------------+----------

No | 638 445 | 1,083

Yes | 312 184 | 496

-----------+----------------------+----------

Total | 950 629 | 1,579

Empowered assignment on whether provider was PPIA during endline

(when interactions occurred)

| ppia\_wave1

Tapped SP | 0 1 | Total

-----------+----------------------+----------

No | 373 710 | 1,083

Yes | 178 318 | 496

-----------+----------------------+----------

Total | 551 1,028 | 1,579

Empowered assignment on whether provider was ever PPIA

| ppia

Tapped SP | 0 1 | Total

-----------+----------------------+----------

No | 367 716 | 1,083

Yes | 174 322 | 496

-----------+----------------------+----------

Total | 541 1,038 | 1,579

* **Among PPIA providers only (ever PPIA)**

Regardless of ordering CXR (N=1038):



Conditioned on ordering CXR (N=494):



* **Among non-PPIA providers only (never PPIA)**

Regardless of ordering CXR (N=541):



Conditioned on ordering CXR (N=185):

