

Subnational FPET: Data preparation & run instructions

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The 2019 FPET has many changes from the 2018 FPET, including the default format used for data. Therefore, old CSVs used for subnational analysis cannot be read in the 2019 FPET. Below are the steps needed to create a new CSV in the format read by the 2019 FPET.

You will need to create two CSVs- one with survey data and one with population data. A third CSV will need to be created if you would like to use service statistics.

Creating a Subnational CSV for Survey data

Step 1: Create default country data from FPET.

- 1. Go to the "Prepare Data" Tab
- 2. Choose "Survey Data"
- 3. For Database, choose "Track20 2019"
- 4. Choose a country
- 5. Click "Load existing data"
- 6. Review the country level data, add or delete surveys as needed
- 7. Under "Data set name," give your dataset a name, for example "Pakistan National Data"
- 8. Click Save

Family Plannin	g Estimation Tool	ABOUT		START RUN	VIEW RUN	COMPARE RUNS	RUN HISTORY	PREPARE DATA
Survey data Database: Track20 2019	Population data	Service statistics Country	y: tan		v]			
LOAD EXISTING	DATA							
Include?	Region code	Start year	End year	In union?	Age	Data series/type	Population	Modern contraceptive
1		1975.33	1976.00	1	15-49	Other	MW	0
~		1998.00	2000.00	~	15-49	Other	MW	
1		1995.00	1997.00	~	15-49	Other	MW	
1		2006.67	2007.16	1	15-49	DHS	MW	0
1		1984.75	1985.24	1	15-49	Other	MW	0
1		1996.00	1998.00	1	15-49	Other	MW	
 ✓ ✓ 		1979.00	1981.00	1	15-49	Other	MW	
ADD NEW RECOR	DELETE SELECTER	CLEAR DA	ТА					
Data set name Pakistan National	Data							

SAVE



Step 2: Download dataset from FPET.

- 1. Go to "Manage Data" tab
- 2. Click on the box next to desired database
- 3. Scroll to bottom and click "Download Selected Databases"
- 4. Open zip drive and save CSV in convenient location

Step 3: Editing CSV for Subnational Data

1. Open National CSV you saved

4	A	В	C	D	E	F	G	H	1.1	1	K	L	M	N	0	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	6
													is_pertai	ng_to_m				non_pre															
													ning_to_	ethods_			has_non	gnant_a															
													methods	used_si		geograp	_pregna	nd_other					has_abs										
							group_ty	contrace	contrace		unmet_n	unmet_n	_used_si	nce_last	has_geo	hical_re	nt_and_	_positiv			has_trad	tradition	ence_of_					se_log_r					
	unit_nu						pe_relat	ptive_us	ptive_us	contrace	eed_for_	eed_for_	nce_last	_pregna	graphica	gion_bia	other_po	e_biase		modern_	itional_	al_meth	probing_				se_log_r	_traditio	se_log_r				
	meric_co	start_dat	end_dat	is_in_un	age_ran	data_ser	ive_to_b	e_moder	e_traditi	ptive_us	modern_	any_met	pregna	ncy_reas	I_region	s_reaso	sitive_bi	s_reaso	age_gro	method_	method_	od_bias	question	se_mod	se_tradit	se_unm	_modern	nal_no_	_unmet_ s	source_i	record_i	region_c	
1	de	e	e	ion	ge	ies_type	aseline	n	onal	e_all	methods	hod	ncy	on	_bias	n	ases	n	up_bias	bias	bias	_reason	s_bias	em	ional	et_need	_no_use	use	no_need of	t t	d	ode	
2	586	1975.329	1975.997	Y	15-49	Other	MW	0.039	0.015	0.054	0.015		N		N		N		None	None	N		N							129	Y_603		
3	586	1998	2000	Y	15-49	Other	MW			0.17			N		N		N		None	None	N		N							152	Y_617		
4	586	1995	1997	Y	15-49	Other	MW			0.13			N		N		N		None	None	N		N							153	Y_618		
5	586	2006.666	2007.159	Y	15-49	DHS	MW	0.217467	0.078564	0.296031		0.251574	N		N		N		None	None	N		N	0.006	0.0041	0.0055	0.0371	0.0599	0.0296	180	Y_637		
6	586	1984.751	1985.244	Y	15-49	Other	MW	0.076258	0.014742	0.091	0.014742		N		N		Y		None	None	N		N							650	Y_671		
7	586	1996	1998	Y	15-49	Other	MW			0.15			N		N		N		None	None	N		N							665	Y_678		
8	586	1979	1981	Y	15-49	Other	MW			0.033			N		N		N		None	None	N		N					_		798	Y_751		
9	586	1990.915	1991.411	Y	15-49	DHS	MW	0.090145	0.028275	0.11842		0.304718	N		N		N		None	None	N		N	0.0053	0.0032	0.0086	0.0656	0.1187	0.044	1827	Y_919		
10	580	1996	1998	Y	15-49	National	MW	0.169	0.07	0.239		0.375	N		N		N		None	None	N		N							1841	Y_932		
11	586	2000.751	2001	Y	15-49	National	MW	0.2021	0.0739	0.276		0.33	N		N		N		None	None	N		N							1842	Y_933		
12	586	1991	1991.997	Y	15-49	Other	MW	0.476		0.069			N		N		N		None	None	N		N							1998	Y_1007		
15	580	1993.529	1995.495	T	15-49	National	NW	0.176	0.04	0.216	0.04		N		N		N		None	None	N		N							2852	Y_1123		
4	586	1994.847	1995.227	Y	15-49	National	MW	0.126	0.052	0.178	0.052		N		N		N		None	None	N		N							2843	Y_1134		
10	200	2005	2004	T V	15-49	Other	NIW	0.252	0.008	0.52	0.008		N .		N		IN N		None	None	N N		IN N							3203	T_1208		
10	500	1900	1970	T V	15.40	Other	NIW N	0.104	0.075	0.055	0.075				IN IN		IN N		None	Nege	IN IN		N							4342	V 1305		
	500	2005	2007	v	15.40	Other	MIN	0.104	0.075	0.259	0.075		N .		N		N		None	None	N		N							4030	V 1520		
10	596	2007.450	2008.490	v	15-49	DHS	MM	0.155	0.093117	0.354093	0.077	0.200847	N		N		N		None	None	N		N	0.0069	0.0047	0.006	0.0392	0.059	0.0368	5461	V 1562		
20	586	2017 496	2018 244	v.	15-49	DHS	MW	0.200070	0.092	0.342		0.173	N		N		N		None	None	N		N	0.0000	0.0047	0.000	0.0501	0.000	0.0000	7367	Y 1734		
21	586	2013 496	2014 493	v	15.49	National	MW	0.25	0.032	0.372		0.175	N		v	Evolution	N		None	None	N		N							7423	Y 1742		
£1.	200	2013.490	2014.495	1	12-49	National	NIW			0.52			N		T	excluding	IN		None	None	IN .		IN							7920	1_1/42		

- Each line of data is a survey- copy the survey lines you want to use for subnational analysis, and paste them below the national data. (Select only surveys that would have subnational data available)
- Remove national data from these new lines (data to be removed includes indicators and standard error columns: contraceptive_use_modern, contraceptive_use_traditional, contraceptive_use_all, unmet_need_for_modern_methods, unmet_need_for_any_method se_modern, se_traditional, se_unmet_need, se_log_r_modern_no_use,

se_log_r_traditional_no_use, se_log_r_unmet_no_need). You want to keep data for each survey that will not vary by region, such as the unit_numeric_code, start and end dates, and biases.

A	В	c	D	E	F	G	н	1.1	1.1	к	L	м	N	0	Р	Q	R	s	т	U	v	w	x	Y	z	AA	AB	AC	AD	AE	
												is perta	ing to m				non pre														
												ning to	ethods			has non	gnant a														
												methods	used si		geograp	pregna	nd other					has abs									
						group to	contrace	contrace		unmet n	unmet n	used s	nce last	has geo	hical re	nt and	positiv			has trad	tradition	ence of					se log r				
unit nu						pe relat	otive us	ptive us	contrace	eed for	eed for	nce last	pregna	graphica	gion bia	other po	e biase		modern	itional	al meth	probing				se log r	traditio	se log r			
meric o	o start da	t end dat	is in un	age ran	data ser	ive to b	e mode	e traditi	ptive us	modern	any met	pregna	ncy reas	I region	s reaso	sitive bi	s reaso	age gro	method	method	od bias	question	se mod	se tradit	se unm	modern	nal no	unmet	source i	record i	re
de	e		ion	se.	ies type	aseline	n	onal	e all	methods	hod	ncy	on	bias	n	ases	n	up bias	bias	bias	reason	s bias	ern	ional	et need	no use	use	no need	d	d	0
51	6 1975 32	9 1975.997	Y	15-49	Other	MW	0.039	9 0.015	0.054	0.015		N		N		N		None	None	N		N							129	Y 603	
51	199	8 2000	Y	15-49	Other	MW			0.17			N		N		N		None	None	N		N							152	Y 617	
51	199	5 1997	Y	15-49	Other	MW			0.13			N		N		N		None	None	N		N							153	Y 618	
51	2006.66	6 2007.159	Y	15-49	DHS	MW	0.217467	7 0.078564	0.296031		0.251574	N		N		N		None	None	N		N	0.006	0.0041	0.0055	0.0371	0.0599	0.0296	180	Y 637	
51	6 1984.75	1 1985.244	Y	15-49	Other	MW	0.076258	8 0.014742	0.091	0.014742		N		N		Y		None	None	N		N							650	Y_671	
51	199	6 1998	Y	15-49	Other	MW			0.15			N		N		N		None	None	N		N							665	Y_678	
51	86 197	9 1981	Y	15-49	Other	MW			0.033			N		N		N		None	None	N		N							798	Y_751	
51	6 1990.91	5 1991.411	Y	15-49	DHS	MW	0.090145	5 0.028275	0.11842		0.304718	N		N		N		None	None	N		N	0.0053	0.0032	0.0086	0.0656	0.1187	0.044	1827	Y_919	
51	6 199	6 1998	Y	15-49	National	MW	0.169	9 0.07	0.239	1	0.375	N		N		N		None	None	N		N							1841	Y_932	
51	6 2000.75	1 2001	Y	15-49	National	MW	0.2021	1 0.0739	0.276	i	0.33	N		N		N		None	None	N		N							1842	Y_933	
51	6 199	1 1991.997	Y	15-49	Other	MW			0.069)		N		N		N		None	None	N		N							1998	Y_1007	
51	6 1993.32	9 1993.493	Y	15-49	National	MW	0.176	5 0.04	0.216	0.04		N		N		N		None	None	N		N							2832	Y_1123	
51	6 1994.84	7 1995.227	Y	15-49	National	MW	0.126	5 0.052	0.178	0.052		N		N		N		None	None	N		N							2843	Y_1134	
51	36 200	3 2004	Y	15-49	Other	MW	0.252	2 0.068	8 0.32	0.068		N		N		N		None	None	N		N							3263	Y_1268	
51	86 196	8 1970	Y	15-49	Other	MW			0.055			N		N		N		None	None	N		N							4542	Y_1309	
51	86 200	5 2007	Y	15-49	Other	MW	0.184	4 0.075	6 0.259	0.075		N		N		N		None	None	N		N							4630	Y_1320	
51	86 2007.49	6 2008.496	Y	15-49	Other	MW	0.193	3 0.077	0.27	0.077		N		N		N		None	None	N		N							5418	Y_1533	
51	86 2012.75	1 2013.326	Y	15-49	DHS	MW	0.260976	5 0.093117	0.354093		0.200847	N		N		N		None	None	N		N	0.0069	0.0047	0.006	0.0382	0.059	0.0368	5461	Y_1562	
51	86 2017.49	6 2018.244	Y	15-49	DHS	MW	0.25	5 0.092	2 0.342		0.173	N		N		N		None	None	N		N							7367	Y_1734	
51	86 2013.49	6 2014.493	Y	15-49	National	MW			0.32			N		Y	Excluding	gN		None	None	N		N							7423	Y_1742	
5	86 2006.66	6 2007.159	Y	15-49	DHS	MW						N		N		N		None	None	N		N							180	Y_637	
5	86 2012.75	1 2013.326	Y	15-49	DHS	MW						N		N		N		None	None	N		N							5461	Y_1562	
5	86 2017.49	6 2018.244	Y	15-49	DHS	MW						N		N		N		None	None	N		N							7367	Y 1734	

- 4. For each subnational region you will include, you want to copy and paste these data-free survey lines. In this example, I will copy and paste the selected lines 3 times so I can fill in data for 3 regions.
- 5. Add in your region_code. This is the name of your subnational region.



- 6. Add in your subnational survey data- usually CPR, mCPR, tCPR, and unmet need for any method. You will leave the standard errors blank.
 - a. You can find these data using StatCompiler select the country and indicators, then disaggregate by region. Remember that the numbers in StatCompiler are presented as percentages while the data pulled from the Track20 data base in FPET are presented as proportions. For example, you may have to change a value of 47.5 (%) to .475 (proportion). Make sure that regional boundaries in StatCompiler have not changed over time

4) E	- F	G	н)	ĸ	L	M	N	0	P	Q	ĸ	S		0	V	w	X	Y	2	AA	AB	AC	AD	AE	AF	AG
age_ran	ge data_seri	i∈group_t	yp contracep	contracep	o contracep	unmet_ne	unmet_ne	is_perta	ain pertainin	∉has_geo	gi geographi	has_non	non_pre	egiage_gro	ur modern_	r has_tradi	t tradition	ha has_abs	er se_moder	se_traditi	se_unmet	se_log_r_i	se_log_r_t	se_log_r_i	source_id r	record_in	d region_co	ode
15-49	Other	MW	0.039	0.015	0.054	0.015		N		N		N		None	None	N		N							129 Y	r_603		
15-49	Other	MW			0.17			N		N		N		None	None	N		N							152 Y	r_617		
15-49	Other	MW			0.13			N		N		N		None	None	N		N							153 Y	r_618		
15-49	DHS	MW	0.217467	0.078564	0.296031		0.251574	N		N		N		None	None	N		N	0.006	0.0041	0.0055	0.0371	0.0599	0.0296	180 Y	r_637		
15-49	Other	MW	0.076258	0.014742	0.091	0.014742		N		N		Y		None	None	N		N							650 Y	r_671		
15-49	Other	MW			0.15			N		N		N		None	None	N		N							665 Y	r_678		
15-49	Other	MW			0.033			N		N		N		None	None	N		N							798 Y	r_751		
15-49	DHS	MW	0.090145	0.028275	0.11842		0.304718	N		N		N		None	None	N		N	0.0053	0.0032	0.0086	0.0656	0.1187	0.044	1827 Y	r_919		
15-49	National	s MW	0.169	0.07	0.239		0.375	N		N		N		None	None	N		N							1841 Y	r_932		
15-49	National	s MW	0.2021	0.0739	0.276		0.33	N		N		N		None	None	N		N							1842 Y	r_933		
2 15-49	Other	MW			0.069			N		N		N		None	None	N		N							1998 Y	r_1007		
3 15-49	National	s MW	0.176	0.04	0.216	0.04		N		N		N		None	None	N		N							2832 Y	r_1123		
4 15-49	National	s MW	0.126	0.052	0.178	0.052		N		N		N		None	None	N		N							2843 Y	r_1134		
5 15-49	Other	MW	0.252	0.068	0.32	0.068		N		N		N		None	None	N		N							3263 Y	r_1268		
6 15-49	Other	MW			0.055			N		N		N		None	None	N		N							4542 Y	r_1309		
7 15-49	Other	MW	0.184	0.075	0.259	0.075		N		N		N		None	None	N		N							4630 Y	r_1320		
3 15-49	Other	MW	0.193	0.077	0.27	0.077		N		N		N		None	None	N		N							5418 Y	r_1533		
9 15-49	DHS	MW	0.260976	0.093117	0.354093		0.200847	N		N		N		None	None	N		N	0.0069	0.0047	0.006	0.0382	0.059	0.0368	5461 Y	r_1562		
15-49	DHS	MW	0.25	0.092	0.342		0.173	N		N		N		None	None	N		N							7367 Y	r_1734		
1 15-49	National	sMW			0.32			N		Y	Excluding	N		None	None	N		N							7423 Y	r_1742		
2 15-49	DHS	MW	0.22	0.047	0.267		0.258	N		N		N		None	None	N		N							180 Y	637	Sindh	
3 15-49	DHS	MW	0.245	0.05	0.295		0.208	N		N		N		None	None	N		N							5461 Y	1562	Sindh	
4 15-49	DHS	MW	0.244	0.065	0.309		0.177	N		N		N		None	None	N		N							7367 Y	1734	Sindh	_
5 15-49	DHS	MW	0.187	0.062	0.249		0.31	N		N		N		None	None	N		N							180 Y	r_637	Khyber Pa	akhtunkhw
5 15-49	DHS	MW	0.195	0.086	0.281		0.255	N		N		N		None	None	N		N							5461 Y	1562	Khyber Pa	khtunkhw
7 15-49	DHS	MW	0.232	0.077	0.309		0.205	N		N		N		None	None	N		N							7367 Y	1734	Khyber Pa	akhtunkhw
15-49	DHS	MW	0.134	0.01	0.144		0.319	N		N		N		None	None	N		N							180 Y	637	Balochista	an
15-49	DHS	MW	0.163	0.031	0.195		0.312	N		N		N		None	None	N		N							5461 Y	1562	Balochista	an
15-49	DHS	MW	0.14	0.058	0.198		0.216	N		N		N		None	None	N		N							7367 9	1734	Balochista	an
6																												

7. Save your CSV with an informational name, for example "Pakistan Subnational Survey.CSV"

Creating a Subnational CSV for Population data

Step 1: Create default country data from FPET.

- 1. Go to the "Prepare Data" Tab
- 2. Click on "Population Data"
- 3. For Database, choose "UNPD 2019"
- 4. Choose a country
- 5. Click "Load existing data"
- 6. Under "Data set name," give your dataset a name, for example "Pakistan Population Data"
- 7. Click Save

Step 2: Download dataset from FPET.

- 1. Go to "Manage Data" tab
- 2. Click on the box next to desired database
- 3. Scroll to bottom and click "Download Selected Databases"
- 4. Open zip drive and save CSV in convenient location



Survey data	Population data	Service stati	stics		
atabase:			Country:		
UNPD 2019		V	Pakistan		
LOAD EXISTING	DATA				
Region code	In union?	Age	Year	Population	
	х	15-49	1970	3058720	
	\checkmark	15-49	1970	9307712	
	х	15-49	1971	3142319	
	\checkmark	15-49	1971	9519679	
	×	15-49	1972	3246009	
	~	15-49	1972	9744564	
	×	15-49	1973	3366669	
ADD NEW RECO	DELETE SELEC	CTED ROW	CLEAR DATA		

Pakistan Population Data

SAVE

Step 3: Editing CSV for Subnational Population Data

1. Open National Population CSV you saved

A		В	С	D	E	F
unit_	num	is_in_uni	age_rang		populatio	region_c
eric_c	code	on	е	mid_year	n_count	ode
	586	Ν	15-49	1970	3058720	
	586	Υ	15-49	1970	9307712	
	586	Ν	15-49	1971	3142319	
	586	Υ	15-49	1971	9519679	
	586	Ν	15-49	1972	3246009	
	586	Υ	15-49	1972	9744564	
	586	Ν	15-49	1973	3366669	
	586	Υ	15-49	1973	9985469	
	586	Ν	15-49	1974	3498567	
	586	Υ	15-49	1974	10245672	
	586	Ν	15-49	1975	3638356	
	586	Υ	15-49	1975	10527828	
	586	Ν	15-49	1976	3791232	
	586	Υ	15-49	1976	10836612	
	586	N	15-49	1977	3951352	
	586	Υ	15-49	1977	11173762	
	586	N	15-49	1978	4116750	
	586	Υ	15-49	1978	11540015	



- Each line of data is the population of a group (either married or unmarried) and a year for women 15-49- copy and paste the national data for as many regions as you will enter. In our example, we are copy and pasting the entire dataset 3 times because we are adding in 3 regions worth of data.
- 3. Remove national data from these new lines in the column "population_count"
- 4. Add in your region_code. This is the name of your subnational region. Make sure it matches what you used in your Survey dataset.
- Add in your regional population data- remember that the numbers will be different for married (Y) and unmarried (N) women – pay attention when adding in your data. You may find it easier to group all in unions and not in unions before adding subnational data.
 - a. You can get subnational population figures from your government estimates. If those data are not available, use can make your own estimates, but we would not advise using the results for the population count output in FPET (you can still use the proportions).
- 6. Save your CSV with an informational name, for example "Pakistan Subnational Population.CSV"

Creating a Subnational CSV for Service Statistics data- Only necessary if you have subnational service statistics

Step 1: Create default country data from FPET.

- 1. Go to the "Prepare Data" Tab
- 2. Click on "Service Statistics"
- 3. For Database, choose "None"
- 4. Choose a country
- 5. Click "Add New Record"
 - a. Add annual service statistics data (Note: I am using fake data here)
 - b. Repeat for each year of data
- 6. Under "Data set name," give your dataset a name, for example "Pakistan Service Statistics National"
- 7. Click Save

TRACK

Survey data	Population data	Service statis	stics
Database:			Country:
None			Pakistan
LOAD EXISTING I	DATA		
Region code	Year	EMU	Service statistic type
	2016	0.200	clients
	2017	0.210	clients
	2018	0.220	clients

 ADD NEW RECORD
 DELETE SELECTED ROW
 CLEAR DATA

 Data set name
 Pakistan Service Statistics National

SAVE

Step 2: Download dataset from FPET.

- 5. Go to "Manage Data" tab
- 6. Click on the box next to desired database
- 7. Scroll to bottom and click "Download Selected Databases"
- 8. Open zip drive and save CSV in convenient location

Step 3: Editing CSV for Subnational Population Data

1. Open National Service Statistics CSV you saved

А	В	С	D	E	F	G	Н	
Country								
letter							region_c	
code	ISO code	Country	Start year	End year	EMU	SS type	ode	
PAK	586	Pakistan	2016	2016	0.2	clients		
РАК	586	Pakistan	2017	2017	0.21	clients		
PAK	586	Pakistan	2018	2018	0.22	clients		



- 2. Each line of data is a EMU value for one year- copy the lines you want to use for subnational analysis, and paste them below the national data.
- 3. Remove national data from these new lines (EMU). You want to keep data for each year that will not vary by region, such as the ISO code, start and end dates, and SS type.

А	В	С	D	E	F	G	Н
Country							
letter							region_c
code	ISO code	Country	Start year	End year	EMU	SS type	ode
PAK	586	Pakistan	2016	2016	0.2	clients	
PAK	586	Pakistan	2017	2017	0.21	clients	
PAK	586	Pakistan	2018	2018	0.22	clients	
РАК	586	Pakistan	2016	2016		clients	
РАК	586	Pakistan	2017	2017		clients	
РАК	586	Pakistan	2018	2018		clients	

- 4. For each subnational region you will include, you want to copy and paste these data-free lines. In this example, I will add data for 3 regions
- 5. Add in your region_code. This is the name of your subnational region.
- 6. Add in your EMU data. (Note: Note: I am using fake data here)

	Α	В	С	D	E	F	G	н	1	
1	Country le	ISO code	Country	Start year	End year	EMU	SS type	region_co	de	
2	PAK	586	Pakistan	2016	2016	0.2	clients			
3	PAK	586	Pakistan	2017	2017	0.21	clients			
4	PAK	586	Pakistan	2018	2018	0.22	clients			
5	PAK	586	Pakistan	2016	2016	0.41	clients	Sindh		
6	РАК	586	Pakistan	2017	2017	0.39	clients	Sindh		
7	PAK	586	Pakistan	2018	2018	0.37	clients	Sindh		
8	РАК	586	Pakistan	2016	2016	0.12	clients	Khyber Pa	khtunkhwa	a
9	PAK	586	Pakistan	2017	2017	0.14	clients	Khyber Pa	khtunkhwa	a
10	PAK	586	Pakistan	2018	2018	0.16	clients	Khyber Pa	khtunkhwa	a
11	PAK	586	Pakistan	2016	2016	0.1	clients	Balochista	n	
12	PAK	586	Pakistan	2017	2017	0.1	clients	Balochista	n	
13	PAK	586	Pakistan	2018	2018	0.1	clients	Balochista	n	
14										

7. Save your CSV with an informational name, for example "Pakistan Subnational Service Statistics.CSV"

Loading Region Level Data into FPET

- 1. Go to FPET.track20.org
- 2. Click on "Start Run"
- 3. Under "Select survey dataset" choose "External"
- 4. Click "Choose Database"
 - a. Select your subnational database for Surveys
 - b. Click "Upload database"
 - c. You can tell database is uploaded when the pink dot switches to "Custom" and you see your database in the Custom dropdown menu
- 5. Under "Select population dataset" choose "External"



- 6. Click "Choose Database"
 - a. Select your subnational database for Population
 - b. Click "Upload database"
 - c. You can tell database is uploaded when the pink dot switches to "Custom" and you see your database in the Custom dropdown menu
- 7. If using service statistics: Under "Select service statistics" choose "External"
- 8. Click "Choose Database"
 - a. Select your subnational database for Service Statistics
 - b. Click "Upload database"
 - c. You can tell database is uploaded when the pink dot switches to "Custom" and you see your database in the Custom dropdown menu
- 9. Check to make sure your files loaded correctly.
 - a. Click on "Select country/population" drop arrow
 - b. You should see the country name as well as all the regions you included
 - c. If you do not see a region you included, it is probably because there is a different spelling (or spacing or accent) between the files

1a. Select survey database
O Default
 Custom
O External
Choose custom database
Pakistan Subnational Survey \lor
1b. Select population database
O Default
 Custom
O External
Choose custom database
Pakistan Subnational Population
2. Select service statistics
O Custom
O External
Choose custom database
Choose custom database $\begin{tabular}{c} \label{eq:posterior} Pakistan Subnational Service Statistic} \end{tabular}$
Choose custom database Pakistan Subnational Service Statistic 3. Select country/population
Choose custom database Pakistan Subnational Service Statistic Select country/population Select country/population
Choose custom database Pakistan Subnational Service Statistic 3. Select country/population Select country/population Pakistan
Choose custom database Pakistan Subnational Service Statistic 3. Select country/population Select country/population Pakistan Sidgh
Choose custom database Pakistan Subnational Service Statistic 3. Select country/population Select country/population Pakistan Sidgh Khyber Pakhtunkhwa
Choose custom database Pakistan Subnational Service Statistic 3. Select country/population Select country/population Pakistan Sidgh Khyber Pakhtunkhwa Balochistan

- 10. Choose a region
- 11. Input a run name
- 12. Change estimate years if desired
- 13. Review data to make sure it loaded correctly
- 14. Click "Start run"



- 15. You will be taken to "Run History" and see a white timer. When the run is done it will turn green. If a problem occurs, it will turn red. This process will take a few minutes.
 - a. You can have multiple runs processing simultaneously.
 - b. To run another region while waiting for results, click "Start Run"
 - c. In "Select survey database" choose "Custom" and choose your subnational database
 - d. In "Select population database" choose "Custom" and choose your subnational database
 - e. In "Select service statistics" choose "Custom" and choose your subnational database
 - f. Choose a different region, review data, and start your run

16. Once the timer has turned green on a run, you can go to the Results and Charts tabs to see your results

17. You can return to Run History screen to check progress on and access additional runs