



# PEPFAR

U.S. President's Emergency Plan for AIDS Relief

## Namibia

# COP 2018 Stakeholder Meeting FY 19 Target Setting

*January 31, 2018*

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# Spectrum Assumptions

- ❑ Applying the same assumptions as the National model Option B+ , Test and Start from 2017, TB HIV, Fertility  
Default values are used as no other evidence is available in country and applying the East Africa.
- ❑ Default UN Population figures applied within model
- ❑ Program data used:  
PMTCT data by region –December 2017  
Currently on ART by Region- September 2017
- ❑ Surveillance data using the Sentinel surveillance by district(1992-2016) and DHS2013
- ❑ Routine ANC Prevalence data from 2013-2017 by District and





# Using Preliminary NAMPHIA results

## PE PLHIV Estimates for COP18

# Unofficial

	2018 Pop	HIV Prev	HIV +	PLHIV		
0-14	876,189	1.25%	10,952			
15-49	1,251,336	13.60%	170,182	170,182		
50+	286,118	21.48%	61,458	61,458		
<b>Total</b>	<b>2,413,643</b>		<b>242,592</b>	<b>231,640</b>		
15-64	1,537,454	14.69%	225,852			

Applying the 2018 NSA Population projections to the Prevalence by age.





# Spectrum Model Comparison

	ALL PLIV				PEADS		
	2,017	2,018	2,019		2,017	2,018	2,019
National 2017 model	238,483	242,141	245,124		11,987	11,127	10,269
National 2018 model	223,577	225,833	228,002		15,575	14,804	14,125
Regional Model	238,473	243,805	247,570		17,349	17,210	16,825
NAMPHIA		242,068				10,700	
OGAC Datapack	210,000	217,000					
Final COP datapack	237,126						





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# Spectrum Assumptions

- ❑ Using the Regional 2018 model PLHIV: 243,805 and Peads from NAMPHIA 2017: 10,700
- ❑ Adults PLHIV: Applying the Spectrum overall PLHIV using the NAMPHIA Regional Prevalence proportions to get Regional estimates for Adults and applying Small Area Estimates (SAE) to get the district level PLHIV
- ❑ Using NAMPHIA PEADS of 10,700 proportional distributed according the Regional Spectrum estimates and applying Small Area Estimates (SAE) to get the district level PLHIV



Region	2018		2018 pop estimate by region from 2011 - 2041 population projections	2019 pop estimate by region from 2011 - 2041 population projections	SAE 0-14 PLHIV (2018) PLHIV Distributed proportionally according to SAE within regions	SAE 15+ PLHIV (2018) PLHIV Distributed proportionally according to SAE within regions	NAMPHIA 2018 Applied to SPECTRUM	NAMPHIA 2018 PLHIV <15	NAMPHIA 2018 PLHIV 15+	All PLHIV (Spectrum)	2018 Population Projection 15+	2018 Population Projection <15
	Sum of Population on 2011 Census	District HMIS population estimates										
!Karas	77,161	87,069	89,157	90,874	644	8,347	7,497	410	7,087	8,991	61,804	27354
Erongo	150,809	173,912	195,652	202,319	452	13,541	19,753	288	19,465	13,993	140,292	55360
Hardap	79,507	88,802	90,325	91,905	554	5,028	6,937	353	6,584	5,582	60,504	29821
Kavango East	107,905	180,000	153,255	155,707	917	10,141	15,012	584	14,429	11,058	89,807	63448
Kavango West	115,447	85,152	90,388	90,930	375	4,142	7,050	238	6,812	4,517	48,360	42030
Khomas	342,141	404,463	447,636	463,823	2,218	41,057	36,217	1,411	34,805	43,275	318,339	129297
Kunene	86,856	103,068	102,485	104,858	775	6,595	4,933	493	4,440	7,370	59,219	43266
Ohangwena	245,446	276,571	260,190	262,668	3,419	31,119	32,387	2,176	30,211	34,538	147,731	112459
Omaheke	71,233	81,481	75,734	76,246	498	2,689	4,350	317	4,033	3,187	45,824	29910
Omusati	228,467	268,767	252,931	254,546	2,809	34,205	31,621	1,788	29,833	37,014	153,630	99301
Oshana	176,674	201,333	194,577	197,274	1,394	27,082	25,942	887	25,055	28,476	128,038	66539
Oshikoto	181,973	203,199	200,686	203,522	1,324	16,491	25,809	843	24,966	17,815	122,943	77743
Otjozondjupa	143,903	163,764	158,237	160,120	1,231	12,672	9,870	783	9,087	13,903	98,562	59675
Zambezi	90,590	102,824	102,264	103,970	600	13,486	16,427	382	16,045	14,086	62,491	39773
							-	-	-	-		
Totals		2,420,405	2,413,517	2,458,762	17,210	226,595	243.805	10.952	232.853	243,805	1,537,544	875,977

		SAE 0-14 PLHIV (2018) PLHIV Distributed proportionally according to SAE within regions	SAE 15+ PLHIV (2018) PLHIV Distributed proportionally according to SAE within regions	NAMPHIA 2018 PLHIV Applied to SPECTRUM	NAMPHIA 2018 PLHIV <15	NAMPHIA 2018 PLHIV 15+	All PLHIV (Spectrum)	Spectrum <15 PLHIV on ART	Spectrum 15+ PLHIV on ART	All PLHIV on ART	SAE with NAMPHIA <15 PLHIV on ART	SAE with NAMPHIA 15+ PLHIV on ART	All PLHIV on ART
District	Region												
	!Karas	644	8,347	7,497	205	7,292	8,991	0%	0%	0%	0%	0%	0%
!Nami#nus	!Karas	278	3,609	3,241	89	3,153	3,887	4%	15%	14%	11%	17%	17%
Karasburg	!Karas	101	1,303	1,170	32	1,138	1,404	46%	86%	83%	144%	98%	100%
Keetmanshod	!Karas	169	2,189	1,966	54	1,913	2,358	57%	78%	77%	180%	89%	92%
Rosh Pinah	!Karas	96	1,244	1,117	31	1,087	1,340	54%	105%	101%	170%	120%	122%
	Erongo	452	13,541	19,753	144	19,609	13,993	0%	0%	0%	0%	0%	0%
Omaruru	Erongo	49	1,461	2,131	16	2,116	1,510	80%	60%	61%	251%	42%	43%
Swakopmund	Erongo	155	4,633	6,758	49	6,709	4,788	71%	87%	86%	224%	60%	61%
Usakos	Erongo	32	971	1,417	10	1,406	1,004	111%	91%	92%	349%	63%	65%
Walvis Bay	Erongo	216	6,476	9,446	69	9,378	6,692	56%	92%	91%	176%	64%	64%
	Hardap	554	5,028	6,937	176	6,761	5,582	0%	0%	0%	0%	0%	0%
Mariental	Hardap	374	3,398	4,689	119	4,569	3,773	28%	50%	48%	87%	38%	39%
Rehoboth	Hardap	180	1,630	2,248	57	2,191	1,809	30%	80%	75%	95%	60%	61%
	Kavango East	917	10,141	15,012	292	14,720	11,058	0%	0%	0%	0%	0%	0%
Andara	Kavango East	252	2,781	4,117	80	4,037	3,033	54%	71%	69%	170%	49%	51%
Nyangana	Kavango East	95	1,047	1,550	30	1,520	1,142	178%	178%	178%	561%	122%	131%
Rundu	Kavango East	571	6,313	9,345	182	9,163	6,884	104%	142%	139%	327%	98%	102%
	Kavango West	375	4,142	7,050	119	6,931	4,517	0%	0%	0%	0%	0%	0%
Ncamangoro	Kavango West	196	2,162	3,680	62	3,618	2,358	46%	51%	50%	143%	30%	32%
Nkurenkuru	Kavango West	179	1,980	3,370	57	3,313	2,159	127%	136%	135%	398%	81%	87%
	Khomas	2,218	41,057	36,217	706	35,511	43,275	0%	0%	0%	0%	0%	0%
Windhoek	Khomas	2218	41,057	36,217	706	35,511	43,275	31%	55%	54%	98%	63%	64%
	Kunene	775	6,595	4,933	247	4,687	7,370	0%	0%	0%	0%	0%	0%
Khorixas	Kunene	120	1,020	763	38	725	1,140	32%	61%	58%	100%	86%	86%
Opuwo	Kunene	424	3,610	2,700	135	2,565	4,034	12%	33%	31%	38%	47%	47%
Outjo	Kunene	231	1,965	1,470	73	1,397	2,196	18%	48%	45%	56%	68%	67%

			SAE 0-14 PLHIV (2018) PLHIV Distributed proportionally according to SAE within regions	SAE 15+ PLHIV (2018) PLHIV Distributed proportionally according to SAE within regions	NAMPHIA 2018 PLHIV Applied to SPECTRUM	NAMPHIA 2018 PLHIV <15	NAMPHIA 2018 PLHIV 15+	All PLHIV (Spectrum)	Spectrum <15 PLHIV on ART	Spectrum 15+ PLHIV on ART	All PLHIV on ART	SAE with NAMPHIA <15 PLHIV on ART	SAE with NAMPHIA 15+ PLHIV on ART	All PLHIV on ART
District	Region													
	Ohangwena	3,419	31,119	53,933	1,667	52,265	34,538	0%	0%	0%	0%	0%	0%	0%
Eenhana	Ohangwena	895	8,143	14,113	436	13,677	9,038	63%	69%	68%	130%	41%	44%	
Engela	Ohangwena	2317	21,085	36,543	1,130	35,413	23,402	54%	66%	65%	110%	40%	42%	
Okongo	Ohangwena	208	1,890	3,276	101	3,175	2,098	122%	133%	132%	250%	79%	85%	
	Omaheke	498	2,689	7,244	243	7,002	3,187	0%	0%	0%	0%	0%	0%	
Gobabis	Omaheke	498	2,689	7,244	243	7,002	3,187	16%	68%	59%	32%	26%	26%	
	Omusati	2,809	34,205	52,657	1,370	51,287	37,014	0%	0%	0%	0%	0%	0%	
Okahao	Omusati	397	4,833	7,440	194	7,246	5,230	70%	73%	73%	144%	49%	51%	
Oshikuku	Omusati	1120	13,639	20,997	546	20,451	14,759	67%	54%	55%	137%	36%	39%	
Outapi	Omusati	514	6,262	9,640	251	9,389	6,776	143%	122%	123%	293%	81%	87%	
Tsandi	Omusati	778	9,471	14,580	379	14,201	10,249	36%	30%	30%	73%	20%	21%	
	Oshana	1,394	27,082	43,200	680	42,520	28,476	0%	0%	0%	0%	0%	0%	
Ondangwa	Oshana	588	11,427	18,227	287	17,941	12,015	39%	27%	28%	79%	17%	18%	
Oshakati	Oshana	806	15,655	24,973	393	24,580	16,461	87%	82%	82%	178%	52%	54%	
	Oshikoto	1,324	16,491	42,978	646	42,332	17,815	0%	0%	0%	0%	0%	0%	
Omuthiya	Oshikoto	408	5,084	13,249	199	13,050	5,492	101%	85%	86%	207%	33%	36%	
Onandjokwe	Oshikoto	768	9,568	24,935	375	24,560	10,336	97%	110%	109%	199%	43%	45%	
Tsumeb	Oshikoto	148	1,840	4,794	72	4,722	1,987	91%	140%	136%	186%	54%	56%	
	Otjozondjupa	1,231	12,672	16,437	600	15,836	13,903	0%	0%	0%	0%	0%	0%	
Grootfontein	Otjozondjupa	235	2,418	3,136	115	3,021	2,652	32%	84%	80%	65%	67%	67%	
Okahandja	Otjozondjupa	213	2,198	2,850	104	2,746	2,411	43%	88%	84%	87%	70%	71%	
Okakarara	Otjozondjupa	128	1,315	1,706	62	1,644	1,443	16%	31%	29%	34%	24%	25%	
Otjiwarongo	Otjozondjupa	561	5,771	7,486	273	7,212	6,332	27%	65%	62%	56%	52%	52%	
	Zambezi	600	13,486	27,356	293	27,063	14,086	0%	0%	0%	0%	0%	0%	
Katima Mulilo	Zambezi	600	13,486	27,356	293	27,063	14,086	133%	81%	83%	273%	40%	43%	
				-	-	-	-							X
	Totals	22,456	274,518	486,352	10,952	768,149	296,974	59%	69%	69%	94%	68%	69%	