




# Malawi Data Import Experience

Kondwani Nkanaunena

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# Overview

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# Background

- Malawi has a total of 730 health facilities providing HIV services.
- PEPFAR currently gives DSD support to 470 sites nationally.
- There are different sources of data with different formats used for PEPFAR reporting.
- As a data import country, Malawi prepares an import file in csv format which is sent to DATIM support for uploading into DATIM.



# Data Sources

- MOH quarterly site level data totals (all sites)
- Disaggregated EMRS data from 122 sites (TX\_NEW and TX\_CURR)
- Patient level viral load data downloaded from LIMS.
- TB data from TB Program.

# Different formats of source files

Parent concept	Parent concept	District	Site	Facility type	Quarter	Reporting period	Sub groups	Total ART clinic registrations	First time ART initiations (total patients)	
1	Northern Region	Northern Zone	Chitipa	Chitipa District Hospital Umoyo Clinic	Public	2017 Q4	Quarter	All patients (checked data)	129	98
2	Northern Region	Northern Zone	Chitipa	Chitipa District Hospital Umoyo Clinic	Public	2017 Q4	Cumulative	All patients (checked data)	4963	4171
3	Northern Region	Northern Zone	Chitipa	Kaseye Mission Hospital	Public	2017 Q4	Quarter	All patients (checked data)	7	6
4	Northern Region	Northern Zone	Chitipa	Kaseye Mission Hospital	Public	2017 Q4	Cumulative	All patients (checked data)	415	318
5	Northern Region	Northern Zone	Chitipa	Misuku Health Centre	Public	2017 Q4	Quarter	All patients (checked data)	7	5
6	Northern Region	Northern Zone	Chitipa	Misuku Health Centre	Public	2017 Q4	Cumulative	All patients (checked data)	289	237
7	Northern Region	Northern Zone	Chitipa	Nthalire Health Centre	Public	2017 Q4	Quarter	All patients (checked data)	29	24
8	Northern Region	Northern Zone	Chitipa	Nthalire Health Centre	Public	2017 Q4	Cumulative	All patients (checked data)	1040	836
9	Northern Region	Northern Zone	Chitipa	Kameme Health Centre	Public	2017 Q4	Quarter	All patients (checked data)	32	18
10	Northern Region	Northern Zone	Chitipa	Kameme Health Centre	Public	2017 Q4	Cumulative	All patients (checked data)	854	632
11	Northern Region	Northern Zone	Chitipa	Wenya Health Centre	Public	2017 Q4	Quarter	All patients (checked data)	4	3
12	Northern Region	Northern Zone	Chitipa	Wenya Health Centre	Public	2017 Q4	Cumulative	All patients (checked data)	305	201
13	Northern Region	Northern Zone	Chitipa	Chambo Health Centre	Public	2017 Q4	Quarter	All patients (checked data)	6	3
14	Northern Region	Northern Zone	Chitipa	Chambo Health Centre	Public	2017 Q4	Cumulative	All patients (checked data)	291	162
15	Northern Region	Northern Zone	Chitipa	Ifumbo Health Centre	Public	2017 Q4	Quarter	All patients (checked data)	5	4
16	Northern Region	Northern Zone	Chitipa	Ifumbo Health Centre	Public	2017 Q4	Cumulative	All patients (checked data)	126	60
17	Northern Region	Northern Zone	Chitipa	Kapenda Health Centre	Public	2017 Q4	Quarter	All patients (checked data)	8	7
18	Northern Region	Northern Zone	Chitipa	Kapenda Health Centre	Public	2017 Q4	Cumulative	All patients (checked data)	326	224
19	Northern Region	Northern Zone	Karonga	Chilumba Rural Hospital	Public	2017 Q4	Quarter	All patients (checked data)	52	38
20	Northern Region	Northern Zone	Karonga	Chilumba Rural Hospital	Public	2017 Q4	Cumulative	All patients (checked data)	2978	2338
21	Northern Region	Northern Zone	Karonga	Karonga District Hospital	Public	2017 Q4	Quarter	All patients (checked data)	213	166
22	Northern Region	Northern Zone	Karonga	Karonga District Hospital	Public	2017 Q4	Cumulative	All patients (checked data)	10264	8386
23	Northern Region	Northern Zone	Karonga	Kaporo Rural Hospital	Public	2017 Q4	Quarter	All patients (checked data)	66	53
24	Northern Region	Northern Zone	Karonga	Kaporo Rural Hospital	Public	2017 Q4	Cumulative	All patients (checked data)	3764	3396
25	Northern Region	Northern Zone	Karonga	Nyungwe Health Centre	Public	2017 Q4	Quarter	All patients (checked data)	68	44
26	Northern Region	Northern Zone	Karonga	Nyungwe Health Centre	Public	2017 Q4	Cumulative	All patients (checked data)		

Q1: 2018	Area_18_Urban_Health_Centre	TX_new_ (New_on _ART)	TX_curr_(Rec eiving_ART)
	Age group	Gender	
1	0-5 months	Male	0
2	6-11 months	Male	0
3	12-23 months	Male	3
4	2-4 years	Male	2
5	5-9 years	Male	1
			0
			1
			7
			14
			38

NameHF	District	Zone	Period	incident	docume nted	HIVpos	ART
Kalembo Dispensary	Balaka	South East	4-Oct-Dec	7	7	5	5
Kankao Health Centre	Balaka	South East	4-Oct-Dec	2	2	0	0
Utale 1 Health Centre	Balaka	South East	4-Oct-Dec	1	1	1	1
Phimbi Health Centre	Balaka	South East	4-Oct-Dec	4	4	2	2
Balaka DHO	Balaka	South East	4-Oct-Dec	2	2	2	2
Comfort/ Dream	Balaka	South East	4-Oct-Dec	5	5	3	3

# Indicator Mapping

MER Indicator	Sub indicator	Description	MOH Data Set	MOH Data Element
TX_CURR_DSD	Numerator	Number of adults and children with HIV infection receiving antiretroviral therapy (ART)		
			ART Cohort- filter for cumulative	Alive on ART at site of last registration
TX_NEW_DSD	Numerator	Number of adults and children newly enrolled on ART		
			ART Cohort - filter for quarter	First time ART initiations
			Disaggregated by Pregnancy/ Breastfeeding	Pregnant
		Breastfeeding	ART Cohort - filter for quarter	Breastfeeding mother

# DATIM Resources

The screenshot shows the top navigation bar of the DATIM Support website. On the left is the DATIM logo with the tagline "Accountability • Transparency • Impact" and the word "SUPPORT" next to it. On the right is a user profile dropdown menu showing the name "Kondwani Nkanaunena". Below the navigation bar is a search bar with the placeholder text "Search" and a magnifying glass icon. The main content area contains a "BROWSER COMPATIBILITY NOTE" and an "Important Notice". Below these are three dark blue buttons with white icons and text: "DATIM Training & Tutorials" (wrench and screwdriver icon), "What's New in DATIM" (lightbulb icon), and "PEPFAR Guidance" (document icon). To the right of these buttons is a "Guidance Highlights" section with a list of links.

**DATIM**  
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SUPPORT

Kondwani Nkanaunena

Search Search

**BROWSER COMPATIBILITY NOTE:** Microsoft Internet Explorer (IE) 10 and earlier versions are not supported by DATIM. The DATIM Support Team recommends using the Google Chrome, Mozilla Firefox, or Microsoft IE 11 browsers while using DATIM.

**Important Notice:** We are making DATIM Support site updates based on your feedback. Learn more about these updates [here](#).

**DATIM Training & Tutorials**

**What's New in DATIM**

**PEPFAR Guidance**

**Guidance Highlights**

- [MER 2.0 Indicator Reference Guide](#)
- [DATIM Data Import and Exchange Resources](#)
- [PEPFAR Data Calendar](#)
- [Release Notes 1.24.c](#)
- [Release Notes 1.24.b](#)





# DATIM Resources

DATIM > Data Import and Systems Administration > Data Import and Exchange

## DATIM Data Import and Exchange Resources

Ping Huang - January 04, 2018 12:35

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### Purpose

This online guide provides resources and describes procedures necessary for importing and submitting data into DATIM.

### DATIM Concepts

Data intended for import into DATIM must satisfy strict requirements with respect to the [format](#) of the data as well the relationship of the data to the current [metadata](#) within of the system.

- [Metadata dimensions](#)
- [Format](#)

**Current Code List:** The code lists provides the identifier to be used in the data exchange files i.e. the Codes and UIDs code for MER (Results and Targets/COP), SIMS data elements, Disaggregates/Category Option Combos, Mechanisms and Organization Unit. In addition they contain common names and codes for data elements (Indicators & Disaggregates) and data sets (forms).

- [Data Elements\\*](#)
- [Mechanism\\*](#)
- [Org Unit](#)

# The Import File Format

<b>dataElement</b>	<b>period</b>	<b>orgUnit</b>	<b>categoryOptionCombo</b>	<b>attributeOptionCombo</b>	<b>value</b>
K6f6jR0NOcZ	2018Q1	a0hddzQ2nu1	HllvX50cXC0	dtZlbDWpRfe	3267
D2KvZp54CsB	2018Q1	a0hddzQ2nu1	LVcCRAVjwj	dtZlbDWpRfe	1280
lo2c9TXkj5X	2018Q1	a0hddzQ2nu1	LVcCRAVjwj	dtZlbDWpRfe	1279
DsC5f5aN6Ef	2018Q1	a0hddzQ2nu1	Jwb1SWomgpk	dtZlbDWpRfe	182
RHN2Ui10Ivu	2018Q1	a0hddzQ2nu1	F7J23OynwjS	dtZlbDWpRfe	182
sVZKPce0Cd6	2018Q1	a0hddzQ2nu1	F7J23OynwjS	dtZlbDWpRfe	182
fg53NvKg3EN	2018Q1	a0hddzQ2nu1	XSFhvrdivW0E	dtZlbDWpRfe	168

# Mapping the Site UID - Orgunit

country	ou_name	orgunit_level	orgunit_parent	orgunit_rent_inter_nal_id	orgunit_internal_id	orgunit_name	orgunit_code	moh_id
MW	Malawi	7	Lilongwe	ScR9iFKAas vBeFvaNjQ01		Adventist Health Centre Lilongwe	p.mw.MoH (HIV Dept).1222	3422
MW	Malawi	7	Lilongwe	ScR9iFKAas RbyahJiEq5M		African Bible College Clinic	p.mw.MoH (HIV Dept).702	836
MW	Malawi	7	Zomba	DfyEoGEPER TzxtAm1ntnr		AHI Private Clinic	p.mw.MoH (HIV Dept).809	870
MW	Malawi	7	Chiradzu	oiPR2CiVJb irQWePeP9BJ		Akasale Private Clinic		5762
MW	Malawi	7	Nkhotak	YCKiBAp8Q Ri3U8BJXIBU		Alinafe Community Hospital	p.mw.MoH (HIV Dept).344	2648

## Mapping the Mechanism UID – Attribute\_Option\_Combo

mechanism	code	uid	partner	primeid	agency	ou	startdate	enddate
80036 - FELT	80036	o9nmeYjcbSh	Task Force	19989	HHS/CDC	Kenya	10/1/2018	9/30/2019
70389 - VMI	70389	nyYOwV5K4eL	Beyond Lo	19988	USAID	Uganda	10/1/2018	9/30/2019
80045 - Expa	80045	noyKo3Rpiw7	Social Solu	19987	USAID	Swaziland	10/1/2017	9/30/2018
70330 - Tech	70330	Ql8GDowE80l	Baylor Col	19986	USAID	Swaziland	10/1/2018	9/30/2019
80046 - Tech	80046	DqiNwxuf8Da	Baylor Col	19986	USAID	Swaziland	10/1/2017	9/30/2018
17510 - Tech	17510	pGl1nFtrLhH	CENTRE FC	19962	HHS/CDC	South Africa	9/1/2013	9/30/2019
18618 - Rec	18618	Opp7MknCs26	CENTRE FC	19962	HHS/SAMH	Vietnam	10/1/2017	9/30/2019

## Mapping the Mechanism Data Elements and Disaggregations – data\_Element and Category\_Option\_Combo

dataset	shortname	dataelementuid	categoryoptioncombo	categoryoptioncomboid
MER Results: Facility Based	TX_NEW (N, DSD, Age/Sex/HIVStatus)	yXZtvoYQXcD	30-34, Male, Positive	aQHB69TmOWe
MER Results: Facility Based	TX_NEW (N, DSD, Age/Sex/HIVStatus)	yXZtvoYQXcD	40-49, Male, Positive	cci2MH041nc
MER Results: Facility Based	TX_NEW (N, DSD, Age/Sex/HIVStatus)	yXZtvoYQXcD	1-9, Unknown Sex, Positive	CtnbWoya5d5
MER Results: Facility Based	TX_NEW (N, DSD, KeyPop/HIVStatus)	u3Whcy4Frlt	FSW, Positive	dUCNvz8ByrS
MER Results: Facility Based	TX_NEW (N, DSD, Age/Sex/HIVStatus)	yXZtvoYQXcD	15-19, Female, Positive	Ek2cTSEcl3p

# Creating a partner review file

Organization Unit Code (Based on MOH facility codes)	OrgUnit	IPSL ID	SITE Name	Agency	Region	Zone	District	Implementing partner	First time ART Initiations - MOH ART_COHORT Column J (filtered by reporting period:quarter)	TX_NEW Imported OR TX_NEW manually entered in DATIM
p.mw.MoH (HIV Dept).18	A4wKSW3JCSa	100542	Chileka Health Centre Blantyre	CDC	Southern Region	South Western Zone	Blantyre District	EGPAF	152	152
p.mw.MoH (HIV Dept).144	A9zi9wsYXSZ	100676	Mikolongwe Health Centre	CDC	Southern Region	South Western Zone	Thyolo District	EGPAF	47	47
p.mw.MoH (HIV Dept).169	AA6WP2jTCQ0	100626	Mwanza District Hospital	CDC	Southern Region	South Western Zone	Mwanza District	EGPAF	209	209
p.mw.MoH (HIV Dept).991	ALsfFDBGWhP	100227	Gowa Health Centre	CDC	Central Region	Central Western Zone	Ntcheu District	EGPAF	12	12
p.mw.MoH (HIV Dept).512	AYfdNGbAFLm	100220	Bilira Health Centre	CDC	Central Region	Central Western Zone	Ntcheu District	EGPAF	61	61
p.mw.MoH (HIV Dept).779	AdCNm3oMcPb	100530	Blantyre Adventist Hospital	CDC	Southern Region	South Western Zone	Blantyre District	EGPAF	29	29
p.mw.MoH (HIV Dept).119	AupHjOUJVUr	100669	Makungwa Health Centre	CDC	Southern Region	South Western Zone	Thyolo District	EGPAF	42	42
p.mw.MoH (HIV Dept).784	B3yLbs3Mf0t	100574	Mwaiwathu Private Hospital	CDC	Southern Region	South Western Zone	Blantyre District	EGPAF	10	9
p.mw.MoH (HIV Dept).345	B4gCnbB3lqj	100092	Chikuse Health Centre	CDC	Central Region	Central Western Zone	Dedza District	EGPAF	22	22
p.mw.MoH (HIV Dept).910	CbdsUmWT3W	100657	Bvumbwe Research Health Centre	CDC	Southern Region	South Western Zone	Thyolo District	EGPAF	251	251
p.mw.MoH (HIV Dept).6	CooUqWcmf7G	100529	Bangwe Health Centre	CDC	Southern Region	South Western Zone	Blantyre District	EGPAF	285	285
p.mw.MoH (HIV Dept).1042	CwSQYN1ebDY	100630	Ligowe Health Centre	CDC	Southern Region	South Western Zone	Neno District	EGPAF	12	12
p.mw.MoH (HIV Dept).781	DKS1GWfw23i	100547	Chitawira Private Hospital	CDC	Southern Region	South Western Zone	Blantyre District	EGPAF	6	6
tmp_0004	EfwWfNUJtK9	100568	Medicare City Centre Clinic / City Centre Clinic / Makadam Pvt Clinic	CDC	Southern Region	South Western Zone	Blantyre District	EGPAF	5	
p.mw.MoH (HIV Dept).1022	EnVk6iRSZbs	100239	Mtonda Health Centre	CDC	Central Region	Central Western Zone	Ntcheu District	EGPAF	8	8
p.mw.MoH (HIV Dept).227	F1YbyZP8IDo	100627	Thambani Health Centre	CDC	Southern Region	South Western Zone	Mwanza District	EGPAF	30	30
p.mw.MoH (HIV Dept).1255	FZGZ1KizbSB	100546	Chirimba Health Centre	CDC	Southern Region	South Western Zone	Blantyre District	EGPAF	126	118
p.mw.MoH (HIV Dept).1167	FaF1vFfemAE	100684	Thunga Health Centre	CDC	Southern Region	South Western Zone	Thyolo District	EGPAF	75	75
p.mw.MoH (HIV Dept).181	Fyda2yZ44Iq	100620	Namitambo Health Centre	CDC	Southern Region	South Western Zone	Chiradzulu District	EGPAF	115	115
p.mw.MoH (HIV Dept).1037	G9rkxjQMxD	100672	Mangunda Health Centre	CDC	Southern Region	South Western Zone	Thyolo District	EGPAF	100	100
p.mw.MoH (HIV Dept).620	GRK2GD3d8uT	100613	Bilal Clinic	CDC	Southern Region	South Western Zone	Chiradzulu District	EGPAF	53	53



# Testing the import file in dev-de

## Data Import

File	<input type="button" value="Choose File"/> No file chosen
Format	JSON ▼
Dry run	No ▼
Strategy	New and Updates ▼
Preload cache	No ▼
	<a href="#">More options</a>
	<input type="button" value="Import"/>

## Import summary

Filename PEPFAR\_q4\_DataImport\_Update\_03152018.csv

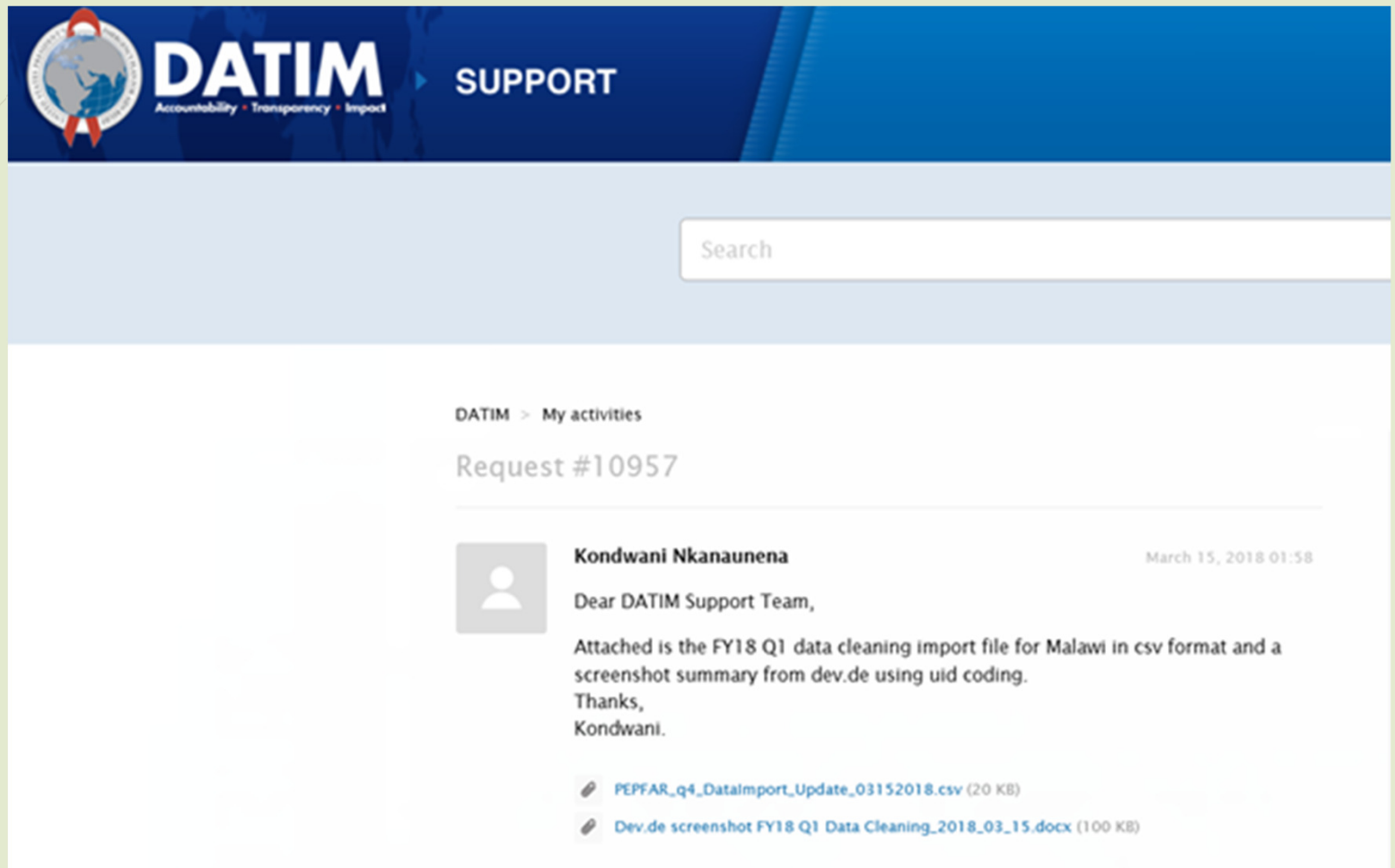
## Import count

Type	Count
Imported	337
Updated	0
Deleted	0
Ignored	1

## Conflicts

Element	Description
dataElement	Data element not found or not accessible

# Submitting the import file



The screenshot displays the DATIM Support interface. At the top, there is a blue header with the DATIM logo (a globe with a ribbon) and the text "DATIM" and "SUPPORT". Below the header is a search bar. The main content area shows the breadcrumb "DATIM > My activities" and the title "Request #10957". A user profile card for "Kondwani Nkanaunena" is shown, dated "March 15, 2018 01:58". The message content reads: "Dear DATIM Support Team, Attached is the FY18 Q1 data cleaning import file for Malawi in csv format and a screenshot summary from dev.de using uid coding. Thanks, Kondwani." Below the message are two attachments: "PEPFAR\_q4\_Dataimport\_Update\_03152018.csv (20 KB)" and "Dev.de screenshot FY18 Q1 Data Cleaning\_2018\_03\_15.docx (100 KB)".

**DATIM** SUPPORT  
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Search

DATIM > My activities

Request #10957

**Kondwani Nkanaunena** March 15, 2018 01:58

Dear DATIM Support Team,

Attached is the FY18 Q1 data cleaning import file for Malawi in csv format and a screenshot summary from dev.de using uid coding.

Thanks,  
Kondwani.

PEPFAR\_q4\_Dataimport\_Update\_03152018.csv (20 KB)

Dev.de screenshot FY18 Q1 Data Cleaning\_2018\_03\_15.docx (100 KB)



# Resolving Validation Violations

attributeOptionCombo	orgUnit	name	mech_code	ou_name
dtZlbDWpRfe	aWEB2Oq1K4E	TX_NEW (N, DSD, PregnantBF/HIVStatus) <= TX_NEW (N, DSD, HIVStatus)	18234	Chankhungu Health Centre
dtZlbDWpRfe	AXaQpsSIVSp	TX_NEW (N, DSD, PregnantBF/HIVStatus) <= TX_NEW (N, DSD, HIVStatus)	18234	Sorgin Health Centre
dtZlbDWpRfe	bGvaqtA7ng3	TX_NEW (N, DSD, PregnantBF/HIVStatus) <= TX_NEW (N, DSD, HIVStatus)	18234	Santhe Health Centre
dtZlbDWpRfe	cEzVKmPEV3H	TX_NEW (N, DSD, PregnantBF/HIVStatus) <= TX_NEW (N, DSD, HIVStatus)	18234	Sankhulani Health Centre
dtZlbDWpRfe	cfKE98ebFza	TX_NEW (N, DSD, PregnantBF/HIVStatus) <= TX_NEW (N, DSD, HIVStatus)	18234	Maziko Private Clinic
dtZlbDWpRfe	czrJydKWpix	TX_NEW (N, DSD, PregnantBF/HIVStatus) <= TX_NEW (N, DSD, HIVStatus)	18234	Chinyama Health Centre
dtZlbDWpRfe	d9TXEF9PPEC	TX_NEW (N, DSD, PregnantBF/HIVStatus) <= TX_NEW (N, DSD, HIVStatus)	18234	Ndamera Health Centre
dtZlbDWpRfe	dipHtmaP5OB	TX_NEW (N, DSD, PregnantBF/HIVStatus) <= TX_NEW (N, DSD, HIVStatus)	18234	Mpasa Health Centre