

Section 9. Data Management

This section describes data management for HPTN061 and DataFax, the data management system used by SCHARP. DataFax is a tool that allows for the collection and processing of accurate data for statistical analysis. The success of DataFax depends on the people who use it—both at the sites and at SCHARP. The purpose of this section is to provide site staff with the information they need to successfully complete and transmit DataFax forms for HPTN061.

9.1 Data Management Contact Information

For information about this section of the SSP or about data management procedures for HPTN061, please contact the HPTN061 SCHARP Project Manager:

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For questions about QC reports, please contact the HPTN061 Data Coordinator:

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9.2 DataFax Overview

DataFax is the data management system used by SCHARP to receive and manage data collected at study sites. The site transmits an electronic image of each case report form (CRF) to SCHARP DataFax, and the original hard copy CRF is retained by the site.

CRF Transmission

SCHARP's Information Technology (IT) Group works with each site to determine the best solution for data transmission on a site-by-site basis.

Data Entry/Quality Control

Once a CRF image is received by SCHARP DataFax, the following occurs:

- DataFax identifies the study to which each CRF belongs using the barcode at the top of the form. It reads and enters the data into the study database and stores each CRF on a computer disk.
- Next, each CRF is reviewed by at least two members of SCHARP's Data Operations Group. Problems such as missing or potentially incorrect data are identified and marked with Quality Control (QC) notes.
- QC notes are compiled into QC reports that are sent via e-mail to the study site on a regular basis. Sites are asked to correct or clarify any problems identified on the QC reports and retransmit the corrected CRFs to SCHARP DataFax.
- When the retransmitted pages are received, SCHARP staff review the corrected pages and resolve the QC notes.

Note: If a change is made to a CRF but the updated page is not retransmitted to SCHARP DataFax, the change will not be entered and the study database will continue to contain incomplete or incorrect data. Additionally, if the change was prompted by a QC note, the note will continue to

appear on subsequent QC reports until the modified CRF is received at SCHARP. Therefore, it is very important that the site retransmit updated CRF pages to SCHARP DataFax **any time** a change is made to data, regardless of whether or not the change was made in response to a QC report.

9.3 DataFax Form Completion

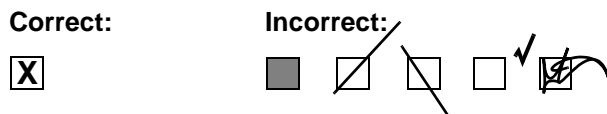
9.3.1 Guidelines

Based on the use of fax technology and Good Clinical Practices (GCPs), the following guidelines should be used for completing DataFax CRFs:

- Use a black or dark blue medium ballpoint pen. Do not use any other type of writing tool. Use only one color per form. That is, do not begin completing a form using a blue pen and then switch to a black pen during the same form completion session.
- Press firmly when recording data or writing comments.
- Print all data and comments legibly by hand. Entries that cannot be read will result in QC notes.
- Do not type data onto CRFs. Do not use cursive/script handwriting, as it can be difficult to read.
- Write numbers as large as possible while staying within the boundaries of the boxes.
- Record data on the front of CRFs only. DataFax cannot read the back of CRFs.
- Do not record data or make marks in the 0.5-inch/1.5-cm margins at the top, bottom, or sides of the CRF.
- If the lines provided for written responses are not long enough, continue in another blank area of the form (within the page margins).
- Mark only one answer except when given the instruction “Mark all that apply.”
- A response is required for every item unless instructed otherwise by a skip pattern.
- **Never** obscure, mark over, or punch holes through the barcode at the top of each CRF. DataFax requires the barcode to identify the CRF.
- **Never** use correction fluid (“white-out”) or correction tape on CRFs.
- Remove any paper clips, staples, or other attachments before transmitting CRFs.
- Because some CRFs are source documents, the site staff person who initially completes the form **must** record his/her initials **and** the date in the space provided in the bottom right-hand corner of each CRF page.
- Transmit forms as soon as possible after they have been completed and reviewed (within the time period specified for the study).

9.3.2 How to Mark Response Boxes

Many items on DataFax CRFs have a box or series of boxes for recording a response. Mark the box clearly with an **X**. Do not fill in the box with shading or mark it with a slash or other character.



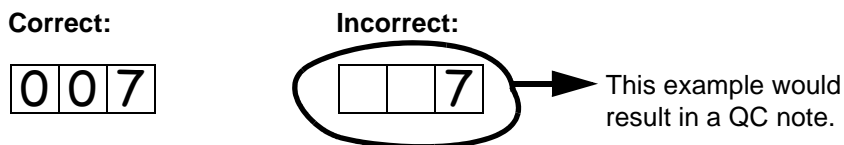
Mark only one response box for each item unless the “Mark all that apply” instruction is present.

9.3.3 How to Record Numbers

Some questions on DataFax CRFs include boxes for recording a numeric response. DataFax can only read the numbers in these boxes if they are recorded clearly. The following instructions should be followed when recording numeric responses:

- Right justify **all** numbers and fill in any blank leading boxes with zeroes. If boxes are left blank, a QC note will be applied asking for the boxes to be filled in.

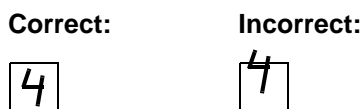
The following example shows how a value of 7 is recorded when three response boxes



are provided:

- Write the number(s) as large as possible while staying within the boundaries of the box; try not to stray outside the boundaries of the box.

In the following example, the 4 could be misinterpreted as a 7 or a 1 because DataFax can only read what is *inside* the box:



- Write the number(s) simply, with few loops.

The following example shows the format in which numbers will be most easily read by DataFax. Also included are some commonly used formats that may be difficult for DataFax to identify.

Easily Identified:

0 1 2 3 4 5 6 7 8 9

Difficult to Identify:

Ø 1 2 3 4 7

9.3.4 How to Record Dates

Dates are recorded using the “dd MMM yy” format, where “dd” represents the two-digit day, “MMM” represents the three-letter abbreviation of the month (in capital letters), and “yy” represents the last two digits of the year.

The month field must be filled in with the three-letter abbreviation *in English* for the date to be read in DataFax. Abbreviations are shown below:

Month	Abbreviation
January	JAN
February	FEB
March	MAR
April	APR
May	MAY
June	JUN
July	JUL
August	AUG
September	SEP
October	OCT
November	NOV
December	DEC

For example, June 1, 2009 would be recorded as follows:

0	1
---	---

J	U	N
---	---	---

0	9
---	---

dd *MMM* *yy*

Sometimes, only a month and a year are required, in which case the response boxes will look like this:

--	--	--

--	--

MMM *yy*

A dosing date of October, 2009, would be recorded as follows:

O	C	T
---	---	---

0	9
---	---

MMM *yy*

9.3.5 How to Record Time

Time is recorded on DataFax CRFs using the 24-hour clock, in which hours are designated from 0–24. For example, in the 24-hour clock 2:25 p.m. translates to 14:25 (2 p.m. = 14), which would be recorded as follows:

1	4
---	---

 :

2	5
---	---

hr *min*

Note: Midnight is recorded as 00:00.

The following chart shows equivalencies between the 12- and 24-hour clocks:

12-hour clock (a.m.)	24-hour clock	12-hour clock (p.m.)	24-hour clock
Midnight	00:00	Noon	12:00
1:00 a.m.	01:00	1:00 p.m.	13:00
2:00 a.m.	02:00	2:00 p.m.	14:00
3:00 a.m.	03:00	3:00 p.m.	15:00
4:00 a.m.	04:00	4:00 p.m.	16:00
5:00 a.m.	05:00	5:00 p.m.	17:00
6:00 a.m.	06:00	6:00 p.m.	18:00
7:00 a.m.	07:00	7:00 p.m.	19:00
8:00 a.m.	08:00	8:00 p.m.	20:00
9:00 a.m.	09:00	9:00 p.m.	21:00
10:00 a.m.	10:00	10:00 p.m.	22:00
11:00 a.m.	11:00	11:00 p.m.	23:00

9.3.6 Data Corrections and Additions

Sometimes, data on a DataFax CRF may need to be changed, clarified, or amended. There are many reasons why data may need to be changed, such as in response to a QC report or as a result of site review of the CRF before transmitting.

It is important to make these changes to the original CRF—*never* copy data onto a new form. After making the change, the CRF *must* be retransmitted to SCHARP DataFax.

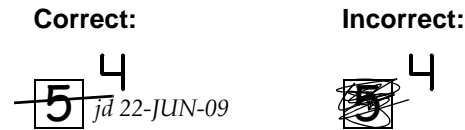
Note: If a correction or addition is made to one page of a multiple-page CRF, only retransmit the page that was changed.

Note: Never write over an entry once it is recorded. Use the standards outlined below when changing, clarifying, or amending data.

Whenever an entry on a DataFax CRF is changed, do the following:

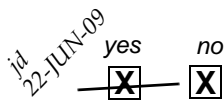
- draw a single horizontal line through the incorrect entry (do not obscure the entry or make it un-readable with multiple cross-outs),

- place the correct or clarified answer near the box, and initial and date the correction as shown below:



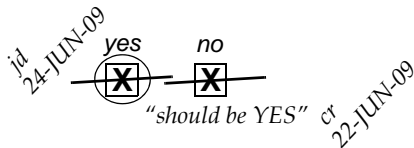
If an **X** is marked in the wrong response box, correct it by doing the following:

- draw a single horizontal line through the incorrectly marked box,
- mark the correct box, and
- initial and date the correction as shown below:



If the correct answer has previously been crossed out, do the following:

- circle the correct item,
- write an explanation in the white space near the item, and
- initial and date all corrections as shown below:



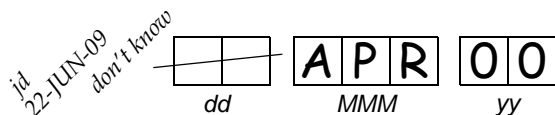
Note: The standards above must be followed whenever a CRF is changed, clarified, or amended, even if the change is made *before* the CRF is faxed to SCHARP for the first time.

9.3.7 How to Handle Missing and Unknown Data

If the answer to an item is not known, is not available, or if the participant refuses to answer, draw a single horizontal line through the blank boxes and initial and date the item. It is helpful to write “don’t know,” “refuses to answer,” “UNK” (unknown), “N/A” (not applicable), or “REF” (refused) near the blank boxes, in addition to initialing and dating the entry.

Note: A skip pattern is the only valid reason to leave a response blank.

For example, when recording a date, if the exact day is not known, draw a single horizontal line through the “dd” boxes and write “don’t know” next to the response boxes, as shown below:



9.3.8 Staff Initials/Date

Every DataFax CRF includes a line in the lower-right corner for a staff member’s initials and the date on which the form was completed. When more than one staff member records data on a CRF, the site should designate the staff member who has primary responsibility for the form. This individual completes the staff initials/date field. The individual not identified in the staff initials/date field writes his/her initials and date next to each data element for which he/she is responsible.

9.4 Site Review of DataFax Forms

Each form must be reviewed for completeness and legibility before being transmitted to SCHARP DataFax. As part of the review, the site should check the following:

- Other than the participant ID number (PTID), there is no information on the form that could identify the participant (e.g., name, phone number, national identification number, or any other personal identifiers).
- A response has been recorded for each item, unless the item has been skipped as instructed by a skip pattern.
- All text responses are clearly recorded.
- There are no marks on or above the DataFax barcode at the top of each DataFax page.
- There are no:
 - missing dates,
 - missing visit codes,
 - incorrect PTIDs,
 - incorrect visit codes, and/or
 - missing data for items beginning a series of skip patterns.

While CRFs are being reviewed, it is important that they are stored and tracked systematically. It is also necessary to have a system to identify whether a CRF has been transmitted to SCHARP DataFax. Such a system may include using a stamp to date the back of the CRF.

Important: Use *only* the back of the CRF for a date stamp, *never* the front. Be sure to date stamp the back of the CRF each time it is transmitted, including retransmissions.

9.5 Faxing DataFax Forms

To streamline the submission of DataFax forms, the site should identify which staff members will be responsible for transmitting forms to SCHARP DataFax and receiving and responding to QC reports.

It is important that the site transmits completed CRFs to SCHARP within 24-48 hours whenever possible, and that they respond promptly to requests for clarifications and corrections included in QC reports. Early detection of recurrent problems provides an opportunity to reduce errors and improve data quality.

9.6 Participant IDs

DataFax uses a unique participant identification number (PTID) to identify each study participant in the database. SCHARP provides each site with a list of PTIDs prior to study start-up. The site should assign one PTID to each study participant in sequential order, crossing out each PTID after it has been assigned to ensure that it is used only once.

PTID boxes are located near the upper left corner of each DataFax CRF. On multiple page CRFs, the PTID must be filled in on each page. Below is the PTID structure used for HPTN061:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Site Number	Participant Number				Chk		

Site Number/Unit ID = assigned by SCHARP
Participant Number = unique number assigned to each participant
Check Digit (Chk) = ensures accuracy of PTID

9.7 Visit Codes

DataFax CRFs include boxes in the upper right corner for a visit code. DataFax uses this number to identify the visit at which the CRF was completed.

Visit Code .

All study visit codes are listed in the table below:

Study Visit	Visit Code
Enrollment	01.0
26 Week Visit (6 Month)	02.0
52 Week Visit (12 Month)	03.0

9.7.1 Interim Visit Codes

In addition to the scheduled, protocol-required visits listed above, Interim Visits may occur after enrollment into the trial. Interim visits occur when the participant visits the study clinic outside of the regular study schedule (e.g., for HIV testing or to report a Social

Impact). Interim visit codes should only be assigned if DataFax CRFs are completed and submitted to document that interim visit.

Note: *If no DataFax CRF pages are required to document the visit, then an Interim Visit code should not be assigned because skipping of Interim Visit codes is not allowed in the DataFax database at SCHARP and would cause a QC note to be added to the QC report.*

Interim visit codes are assigned using the following guidelines:

- In the box(es) to the left of the decimal point, record the two-digit visit code for the most recent scheduled visit (even if this visit was missed).
- Use the guide below to complete the box to the right of the decimal point:
 - 1 = the first interim visit after the most recent scheduled visit,
 - 2 = the second interim visit after the most recent scheduled visit,
 - 3 = the third interim visit after the most recent scheduled visit, and so on.

For example, the first interim visit after Enrollment would be recorded as follows:

Visit Code

0	1
---	---

 .

1

The second interim visit after Enrollment (but before the 26 Week Follow-up Visit) would be recorded as follows:

Visit Code

0	1
---	---

 .

2

9.7.2 Page Numbers

Not all DataFax CRFs include boxes for visit codes. If a form is only completed and faxed in one time during a study (e.g., Demographics or Enrollment), the visit code will be automatically assigned in DataFax.

Other CRFs, such as log forms (e.g., Social Impact Log), may include boxes in the upper right corner for page numbers, as shown below:

Page

--	--

In the example of the Social Impact Log, the participant's first reported social impact would be page 01, the second would be 02, and so on, through out their participation in the study, regardless of the visit when the adverse experience was reported.

9.7.3 ISO Country Codes

The HPTN061 Demographics CRF, item 6, records the participant's country of birth. The most common codes are listed on the back of the form. The complete list is at the end of Section 9, page 9-15.

9.8 Study Visit Timing

All visits after enrollment are based on the day of enrollment, which is considered to be Day 0. The table below lists the visit target dates and visit windows. The “Allowable” visit windows are the time frame within which each visit must take place or it is considered missed. In addition to these visit windows SCHARP also uses more restricted visit windows called “Target” Visit Windows. The Target Visit Windows are used by DataFax to query for an “overdue” visit and by the Retention Reports to determine whether a visit has been conducted “early” or “late.”

Visit	Visit Code	Visit Target Day	Target Visit Window	Allowable Visit Window
Enrollment	01.0	Day 0		
26 Week Visit	02.0	Day 182	Days 168 - 196	Day 126 - 308
52 Week Visit	03.0	Day 365	Days 351 - 379	Days 309 - until site closes

9.8.1 Missed Visits

A scheduled visit is considered to be missed if not completed within the visit windows in the table above.

If it happens that a visit or contact can be completed within the Allowable Window after a Missed Visit form has been submitted, draw a line through the previously submitted Missed Visit form, add a note that it should be deleted and why, initial and date, and re-submit it to SCHARP DataFax. Complete all of the scheduled visit procedures, code all visit forms with the scheduled visit code, and fax the CRF pages.

9.9 Termination and Reactivation

Participants are terminated from study participation when they have completed the final study visit; died; refused further participation in the study; relocate; investigator has decided they can or should no longer participate (however, see HPTN Operations Policy HPTN006); or the study site staff can no longer contact the participant (lost-to-follow-up). Participants who have been terminated from the study due to lost-to-follow-up, refusal, or relocation, who return to the study site before the end of the Allowable Visit window for their exit visit may be allowed to rejoin the study, and should be encouraged to do so. Participants are reactivated by writing “unterminate” or “delete” on the previously submitted Termination form and refaxing to SCHARP. Please note that a Missed Visit form must be completed for each missed visit or phone contact during the period the participant was not in contact with the site.

9.10 HPTN061 ACASI questionnaire

HPTN061 includes use of a web-based Audio Computer Assisted Self-Interview (ACASI) that allows participants to privately enter their own answers, without the help of an interviewer, to

potentially sensitive or embarrassing questions about behavior into a laptop or computer. The ACASI questionnaire is to be administered at Enrollment and all Follow-up visits.

The primary version of the ACASI questionnaire is the web-based version, which should always be used except when there is no access to the internet. The web version allows the participant's information to be automatically sent and saved at SCHARP with no effort on the part of the site's data management staff. There is a version that can be down-loaded onto one or more laptops or computers at the study sites to be run "locally" on that computer, but this version requires data management or IT staff to make the extra step of up-loading complete questionnaire data to the SCHARP server and should only be used as a back-up version on occasions when there is no access to the internet. For information about the local version of the ACASI questionnaire please send e-mail to acasi@scharp.org.

9.10.1 Remote Data Collection and Troubleshooting Instructions

For the most up to date instructions regarding Remote Data Collection, Illume software or ACASI survey downloads and/or any troubleshooting please visit the HPTN-061 portal: <https://hptn.fhi.org/061/CRFs/Forms/AllItems.aspx>

9.10.2 Sample Questionnaire

For training purposes, SCHARP has created a sample questionnaire that allows site staff to walk the participant through various kinds of questions and responses they will see while taking the HPTN061 ACASI Survey. In order to access the sample questionnaire, please visit the HPTN-061 portal to find the updated list of survey links for HPTN061: <https://hptn.fhi.org/061/CRFs/Forms/AllItems.aspx>

9.10.3 Logging into the web-based HPTN061 ACASI

In order to access the HPTN061 ACASI survey please visit the HPTN-061 portal to find the updated list of survey links for HPTN061: <https://hptn.fhi.org/061/CRFs/Forms/AllItems.aspx>

If you have any problems with the ACASI survey, please e-mail acasi@scharp.org.

9.11 ATLAS Social and Sexual Network Questionnaire

HPTN061 will also be using another web-based tool to collect information about each participant's social and sexual network at each follow-up visit. This is the interviewer-administered Social and Sexual Network Questionnaire (SSN). The SSN is accessed through the ATLAS web-site portal: <https://atlas.scharp.org> using either Firefox (for best functionality) or Internet Explorer, and will be navigated by site staff based on the participant's answers. Instructions are provided on the ATLAS portal for all staff members responsible for administering the SSN to participants. If you have any problems with ATLAS or completing the questionnaire, please contact the HPTN061 SCHARP Project Manger and e-mail atlas@scharp.org.

9.12 HPTN061 Schedule of Forms

The DataFax data collection forms required for each study visit are summarized in the tables below.

ENROLLMENT (DAY 0)		VISIT CODE: 01.0
Acronym	Form Name	Plate #
<i>REQUIRED</i>		
DEM-1-4	Demographics	001, 002, 003, 004
ENR-1-2	Enrollment	071, 072
ELR-1	Enrollment STI Laboratory Results	075
BPR-1	Baseline Prevention Research Questionnaire	080
HCU-1-4	Health Care Utilization	091, 092, 093, 094
HTR-1-2	HIV Test Results	201, 202
<i>AS NEEDED</i>		
MRR-1	Medical Records Review	085
PHE-1-3	Peer Health Navigation Encounter	191, 192, 193
RL-1	Referral Log	330
AHT-1-2	Additional HIV Test Results	251, 252
AED-1	Additional Enrollment Designation	135
WEEK 26 VISIT (DAY 182)		VISIT CODE: 02.0
Acronym	Form Name	Plate #
<i>REQUIRED</i>		
FUV-1-2	Follow-up Visit	121, 122
FLR-1	Follow-up STI Laboratory Results	131
FPR-1-3	Follow-up Prevention Research Questionnaire	181, 182, 183
HCU-1-4	Health Care Utilization	091, 092, 093, 094
<i>AS NEEDED</i>		
IV-1	Interim Visit	350
MRR-1	Medical Records Review	085
PHE-1-3	Peer Health Navigation Encounter	191, 192, 193
RL-1	Referral Log	330
SIL-1	Social Impact Log	152
HTR-1-2	HIV Test Results	201, 202
AHT-1-2	Additional HIV Test Results	251, 252
PT-1	Participant Transfer	465
PRC-1	Participant Receipt	466
MV-1	Missed Visit	463
ESI-1	End of Study Inventory	489
TM-1	Termination	490
AED-1	Additional Enrollment Designation	135

WEEK 52 VISIT (DAY 356)		VISIT CODE: 3.0
Acronym	Form Name	Plate #
<i>REQUIRED</i>		
FUV-1-2	Follow-up Visit	121, 122
FLR-1	Follow-up STI Laboratory Results	131
FPR-1-3	Follow-up Prevention Research Questionnaire	181, 182, 183
HCU-1-4	Health Care Utilization	091, 092, 093, 094
HTR-1-2	HIV Test Results	201, 202
ESI-1	End of Study Inventory	489
TM-1	Termination	490
<i>AS NEEDED</i>		
MRR-1	Medical Records Review	085
RL-1	Referral Log	330
SIL-1	Social Impact Log	152
AHT-1-2	Additional HIV Test Results	251, 252
PT-1	Participant Transfer	465
PRC-1	Participant Receipt	466
MV-1	Missed Visit	463
AED-1	Additional Enrollment Designation	135

ISO Codes

Country Name	UN/ISO numeric	Country Name	UN/ISO numeric	Country Name	UN/ISO numeric
AFGHANISTAN	4	BOSNIA AND HERZEGOVINA	70	CROATIA (Hrvatska)	191
ÅLAND ISLANDS	248	BOTSWANA	72	CUBA	192
ALBANIA	8	BOUVET ISLAND	74	CYPRUS	196
ALGERIA (El Djazaïr)	12	BRAZIL	76	CZECH REPUBLIC	203
AMERICAN SAMOA	16	BRITISH INDIAN OCEAN TERRITORY	86	DENMARK	208
ANDORRA	20	BRUNEI DARUSSALAM	96	DJIBOUTI	262
ANGOLA	24	BULGARIA	100	DOMINICA	212
ANGUILLA	660	BURKINA FASO	854	DOMINICAN REPUBLIC	214
ANTARCTICA	10	BURUNDI	108	ECUADOR	218
ANTIGUA AND BARBUDA	28	CAMBODIA	116	EGYPT	818
ARGENTINA	32	CAMEROON	120	EL SALVADOR	222
ARMENIA	51	CANADA	124	EQUATORIAL GUINEA	226
ARUBA	533	CAPE VERDE	132	ERITREA	232
AUSTRALIA	36	CAYMAN ISLANDS	136	ESTONIA	233
AUSTRIA	40	CENTRAL AFRICAN REPUBLIC	140	ETHIOPIA	231
AZERBAIJAN	31	CHAD (Tchad)	148	FAEROE ISLANDS	234
BAHAMAS	44	CHANNEL ISLANDS	830	FALKLAND ISLANDS (MALVINAS)	238
BAHRAIN	48	CHILE	152	FIJI	242
BANGLADESH	50	CHINA	156	FINLAND	246
BARBADOS	52	CHRISTMAS ISLAND	162	FRANCE	250
BELARUS	112	COCOS (KEELING) ISLANDS	166	FRENCH GUIANA	254
BELGIUM	56	COLOMBIA	170	FRENCH POLYNESIA	258
BELIZE	84	COMOROS	174	FRENCH SOUTHERN TERRITORIES	260
BENIN	204	CONGO, REPUBLIC OF	178	GABON	266
BERMUDA	60	CONGO, THE DEMOCRATIC REPUBLIC OF THE (formerly Zaire)	180	GAMBIA, THE	270
BHUTAN	64	COOK ISLANDS	184	GEORGIA	268
BOLIVIA	68	COSTA RICA	188	GERMANY (Deutschland)	276
				GIBRALTAR	292

Country Name	UN/ISO numeric	Country Name	UN/ISO numeric	Country Name	UN/ISO numeric
GREAT BRITAIN	826	JAMAICA	388	MALDIVES	462
GREECE	300	JAPAN	392	MALI	466
GREENLAND	304	JORDAN (Hashemite Kingdom of Jordan)	400	MALTA	470
GRENADA	308	KAZAKHSTAN	398	MARSHALL ISLANDS	584
GUADELOUPE	312	KENYA	404	MARTINIQUE	474
GUAM	316	KIRIBATI	296	MAURITANIA	478
GUATEMALA	320	KOREA (Democratic Peoples Republic of [North] Korea)	408	MAURITIUS	480
GUINEA	324	KOREA (Republic of [South] Korea)	410	MAYOTTE	175
GUINEA-BISSAU	624	KUWAIT	414	MEXICO	484
GUYANA	328	KYRGYZSTAN	417	MICRONESIA (Federated States of Micronesia)	583
HAITI	332	LAO PEOPLE'S DEMOCRATIC REPUBLIC	418	MOLDOVA	498
HEARD ISLAND AND MCDONALD ISLANDS	334	LATVIA	428	MONACO	492
HONDURAS	340	LEBANON	422	MONGOLIA	496
HONG KONG (Special Administrative Region of China)	344	LESOTHO	426	MONTENEGRO	499
HUNGARY	348	LIBERIA	430	MONTSERRAT	500
ICELAND	352	LIBYA (Libyan Arab Jamahiriya)	434	MOROCCO	504
INDIA	356	LIECHTENSTEIN (Fürstentum Liechtenstein)	438	MOZAMBIQUE (Moçambique)	508
INDONESIA	360	LITHUANIA	440	MYANMAR (formerly Burma)	104
IRAN (Islamic Republic of Iran)	364	LUXEMBOURG	442	NAMIBIA	516
IRAQ	368	MACAO (Special Administrative Region of China)	446	NAURU	520
IRELAND	372	MACEDONIA (Former Yugoslav Republic of Macedonia)	807	NEPAL	524
ISLE OF MAN	833	MADAGASCAR	450	NETHERLANDS	528
ISRAEL	376	MALAWI	454	NETHERLANDS ANTILLES	530
ITALY	380	MALAYSIA	458	NEW CALEDONIA	540

Country Name	UN/ISO numeric	Country Name	UN/ISO numeric	Country Name	UN/ISO numeric
NEW ZEALAND	554	RUSSIAN FEDERATION	643	SPAIN (España)	724
NICARAGUA	558	RWANDA	646	SRI LANKA (formerly Ceylon)	144
NIGER	562	SAINT BARTHÉLEMY	652	SUDAN	736
NIGERIA	566	SAINT HELENA	654	SURINAME	740
NIUE	570	SAINT KITTS AND NEVIS	659	SVALBARD AND JAN MAYEN	744
NORFOLK ISLAND	574	SAINT LUCIA	662	SWAZILAND	748
NORTHERN MARIANA ISLANDS	580	SAINT MARTIN (French portion)	663	SWEDEN	752
NORWAY	578	SAINT PIERRE AND MIQUELON	666	SWITZERLAND (Confederation of Helvetia)	756
OMAN	512	SAINT VINCENT AND THE GRENADINES	670	SYRIAN ARAB REPUBLIC	760
PAKISTAN	586	SAMOA (formerly Western Samoa)	882	TAIWAN ("Chinese Taipei" for IOC)	158
PALAU	585	SAN MARINO (Republic of)	674	TAJKISTAN	762
PALESTINIAN TERRITORIES	275	SAO TOME AND PRINCIPE	678	TANZANIA	834
PANAMA	591	SAUDI ARABIA (Kingdom of Saudi Arabia)	682	THAILAND	764
PAPUA NEW GUINEA	598	SENEGAL	686	TIMOR-LESTE (formerly East Timor)	626
PARAGUAY	600	SERBIA (Republic of Serbia)	688	TOGO	768
PERU	604	SEYCHELLES	690	TOKELAU	772
PHILIPPINES	608	SIERRA LEONE	694	TONGA	776
PITCAIRN	612	SINGAPORE	702	TRINIDAD AND TOBAGO	780
POLAND	616	SLOVAKIA (Slovak Republic)	703	TUNISIA	788
PORTUGAL	620	SLOVENIA	705	TURKEY	792
PUERTO RICO	630	SOLOMON ISLANDS	90	TURKMENISTAN	795
QATAR	634	SOMALIA	706	TURKS AND CAICOS ISLANDS	796
RÉUNION	638	SOUTH AFRICA (Zuid Afrika)	710	TUVALU	798
ROMANIA	642	SOUTH GEORGIA AND THE SOUTH SANDWICH ISLANDS	239	UGANDA	800

Country Name	UN/ISO
	numeric
UKRAINE	804
UNITED ARAB EMIRATES	784
UNITED STATES MINOR OUTLYING ISLANDS	581
URUGUAY	858
UZBEKISTAN	860
VANUATU	548
VATICAN CITY (Holy See)	336
VENEZUELA	862
VIET NAM	704
VIRGIN ISLANDS, BRITISH	92
VIRGIN ISLANDS, U.S.	850
WALLIS AND FUTUNA	876
WESTERN SAHARA (formerly Spanish Sahara)	732
YEMEN (Yemen Arab Republic)	887
ZAMBIA (formerly Northern Rhodesia)	894
ZIMBABWE	716