

October 7, 2025

Laboratory 09

Subject Metadata

Excel

19th IHIWS database system development team

Upload and Manage Subject Metadata

The screenshot displays the IHIW19 Management System Dashboard. The browser address bar shows the URL <https://data.ihiw19.org>. The dashboard header includes the IHIW19 logo, navigation tabs for Dashboard, Lab View, and Project View, and a user profile dropdown for IHIW19 Demo2.

Dashboard

Welcome to IHIW19 Management System, IHIW19 Demo2

Metadata Completion Status

HLA Metadata

Sample Metadata (Stage 1)
Sample: 1 of 1 completed (100%)

Subject Metadata (Stage 2)
Subject: 1 of 1 completed (100%)

No HLA metadata found

Antibody Metadata

Sample Metadata (Stage 1)
Sample: 1 of 1 completed (100%)

Subject Metadata (Stage 2)
Subject: 1 of 1 completed (100%)

No Antibody metadata found

Lab View

Manage lab members, upload files, and configure sharing settings with projects.

[Go to Lab View](#)

Project View

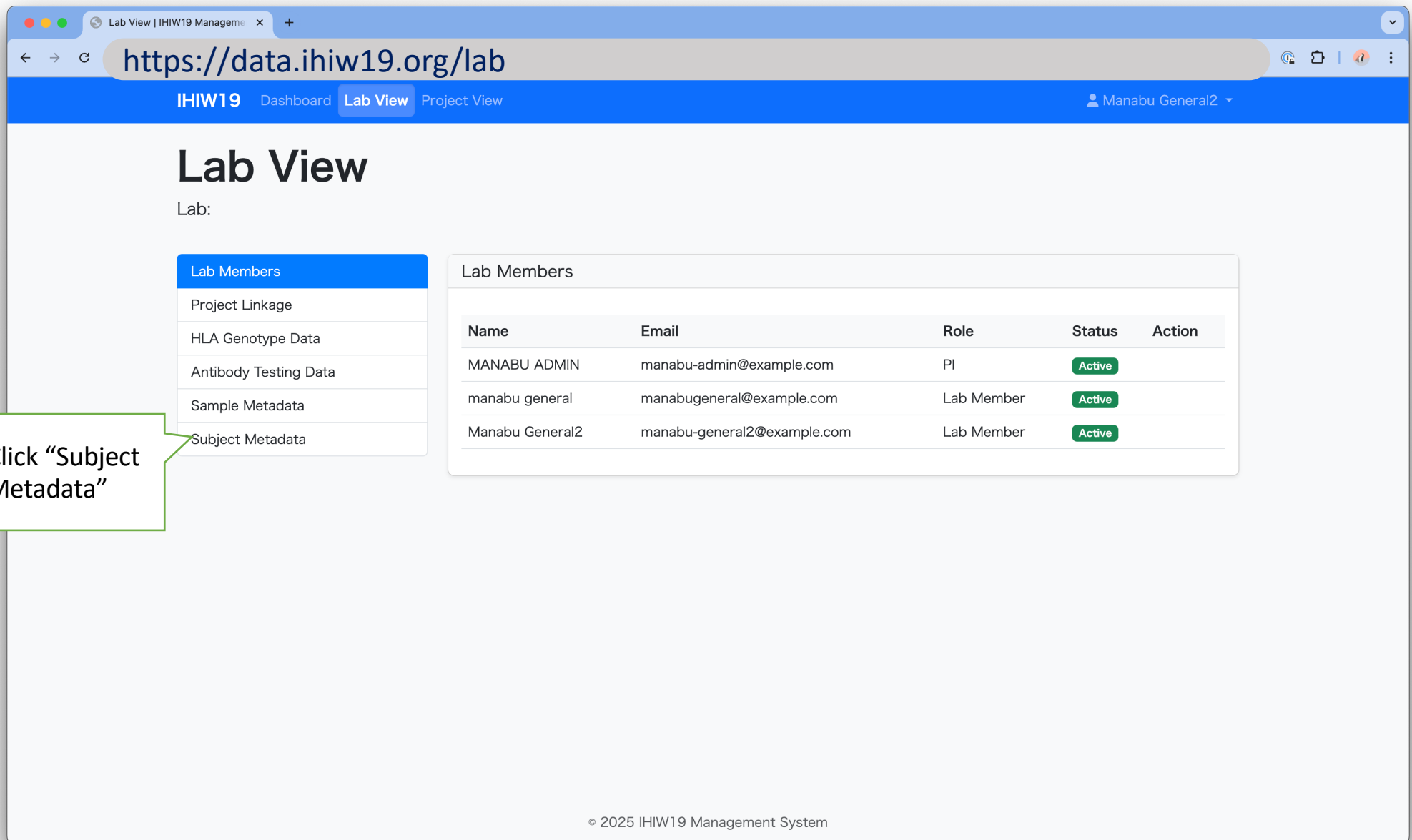
Manage projects, view shared files, and import/export data.

[Go to Project View](#)

Click "Go to Lab View"

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Upload and Manage Subject Metadata



The screenshot shows a web application interface for IHIW19. The browser address bar displays `https://data.ihiw19.org/lab`. The navigation bar includes links for Dashboard, Lab View (active), and Project View, along with a user profile for Manabu General2. The main content area is titled "Lab View" and includes a "Lab:" label. On the left, a sidebar menu lists options: Lab Members (highlighted), Project Linkage, HLA Genotype Data, Antibody Testing Data, Sample Metadata, and Subject Metadata. A callout box points to "Subject Metadata" with the text "Click 'Subject Metadata'". The main area displays a "Lab Members" table with three rows of data.

Name	Email	Role	Status	Action
MANABU ADMIN	manabu-admin@example.com	PI	Active	
manabu general	manabugeneral@example.com	Lab Member	Active	
Manabu General2	manabu-general2@example.com	Lab Member	Active	

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Upload and Manage Subject Metadata



https://data.ihw19.org/lab/#subject-metadata

ゲスト

IHIW19

Dashboard

Lab View

Tsuyoshi Hachiya2

Lab View

Lab: GAJ

Lab Members

Project Linkage

Genotype Data

Antibody Testing Data

Sample Metadata

Subject Metadata

Token Management

Subject Metadata

Subject Metadata Download

Subject Metadata Upload

Subject_ID	System Subject ID	Labcode	Ancestry	Country	Gender	Category
SUBJECT_001	IHIW19SUB0000000145	JPNHAC2				

Subject ID is
obtained from
sample metadata

Converted
(anonymized)
subject ID is
automatically
created

Labcode is
automatically
filled

Subject metadata is not filled

Upload and Manage Subject Metadata



https://data.ihw19.org/lab/#subject-metadata

ゲスト



IHW19

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Tsuyoshi Hachiya2

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Click "Subject Metadata Download"

Subject Metadata

Subject Metadata Download

Subject Metadata Upload

Subject_ID	System Subject ID	Labcode	Ancestry	Country	Gender	Category
SUBJECT_001	IHW19SUB0000000145	JPNHAC2				

Upload and Manage Subject Metadata

← → ↺ <https://data.ihw19.org/lab/#subject-metadata> ゲスト

IHW19 Dashboard **Lab View** Tsuyoshi Hachiya2 ▾

Lab View

Lab: GAJ

- Lab Members
- Project Linkage
- Genotype Data
- Antibody Testing
- Sample Metadata
- Subject Metadata**
- Token Management

よく使う項目

- 🔗 アプリケ...
- 📁 デスクト...
- 📄 書類
- 📶 ダウンロ...
- 📁 Dropbox...
- 📁 Dropbox...
- iCloud
 - 📁 iCloud Dri...
 - 📁 共有
- 場所
 - 📁 Dropbox...
 - 📁 Dropbox...
- タグ
 - Online-o...

名前:

タグ:

< > 📁 📄 📁

📄 ダウンロード

🔍 検索

新規フォルダ

キャンセル 保存

Click "Save"

Metadata Upload

Order Category

Upload and Manage Subject Metadata



https://data.ihw19.org/lab/#subject-metadata

ゲスト



IHW19

Dashboard

Lab View

Tsuyoshi Hachiya2

Lab View

Lab: GAJ



Lab Members



Project Linkage



Genotype Data



Antibody Testing Data



Sample Metadata



Subject Metadata



Token Management

Subject Metadata

Subject Metadata Download

Subject Metadata Upload

Subject Metadata Excel downloaded successfully!



This message indicates download success

	Subject ID	Accession Code	Ancestry	Country	Gender	Category
	SUBJECT_001	IHW19SUB0000000145	JPNHAC2			

Upload and Manage Subject Metadata

Open the downloaded Excel file

	A	B	C	D	E	F	G	H	I	J	K	L	M	I
1	Subject_ID	System_Subject_ID	Labcode	Ancestry	Country	Gender	Category	Organ	Transplant_date	Phenotype	Donor_ID	Father_ID	Mother_ID	
2	SUBJECT_001	IHIW19SUB000000	JPNHAC2											
3														
4														
5														
6														

"Subject ID", "System Subject ID", and
"Labcode" are automatically filled

Upload and Manage Subject Metadata

	A	B	C	D	E	F	G	H	I	J	K	L	M	I
1	Subject_ID	System_Subject_ID	Labcode	Ancestry	Country	Gender	Category	Organ	Transplant_date	Phenotype	Donor_ID	Father_ID	Mother_ID	
2	SUBJECT_001	IHIW19SUB000000	JPNHAC2											
3														
4														
5														
6														

The diagram illustrates the classification of fields in the metadata table. A green bracket under the first six columns (D, E, F, G, H, I) is labeled 'Required fields'. Another green bracket under the remaining columns (J, K, L, M, I) is labeled 'Optional fields'.

We assume the “Optional fields” will be completed as one of the following:
“Transplantation studies,” “Disease Association Studies,” or “Familial Studies.” In the later slides, we will show how to fill them out for each case.

Upload and Manage Subject Metadata

Required Fields

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Subject_ID	System_Subject_ID	Labcode	Ancestry	Country	Gender	Category	Organ	Transplant_date	Phenotype	Donor_ID	Father_ID	Mother_ID
2	SUBJECT_001	IHW19SUB000000	JPNHAC2										
3				Aboriginal Australian ancestry									
4				African American or Afro-Caribbean ancestry									
5				African ancestry									
6				Asian ancestry									
7				European ancestry									
8				Greater Middle Eastern (Middle Eastern or North African or Persian) ancestry									
9				Indigenous American ancestry									
10				Indigenous Siberian ancestry									
11				Latin or Admixed American ancestry									
12				Oceanian ancestry									
13				genetically isolated population									
14				uncategorised population									

Select
"Ancestry"

Upload and Manage Subject Metadata

Required Fields

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Subject_ID	System_Subject_ID	Labcode	Ancestry	Country	Gender	Category	Organ	Transplant_date	Phenotype	Donor_ID	Father_ID	Mother_ID
2	SUBJECT_001	IHIW19SUB0000000	JPNHAC2	Asian ancestry									
3					Hungary								
4					Iceland								
5					India								
6					Indonesia								
7					Iran								
8					Iraq								
9					Isle of Man								
10					Israel								
11					Italy								
12					Jamaica								
13					Japan								
14					Jordan								

Select
"Country"

Upload and Manage Subject Metadata

Required Fields

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Subject_ID	System_Subject_ID	Labcode	Ancestry	Country	Gender	Category	Organ	Transplant_date	Phenotype	Donor_ID	Father_ID	Mother_ID
2	SUBJECT_001	IHW19SUB000000	JPNHAC2	Asian ancestry	Japan	Female Male Unknown							
3													
4													
5													
6													
7													
8													

Select
"Gender"

er Selection
e select the
er from the
down list: Female,
Male, Unknown (or
leave blank)

Upload and Manage Subject Metadata

Optional Fields for Transplantation Studies

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Subject_ID	System_Subject_ID	Labcode	Ancestry	Country	Gender	Category	Organ	Transplant_date	Phenotype	Donor_ID	Father_ID	Mother_ID
2	SUBJECT_001	IHIW19SUB000000	JPNHAC2	Asian ancestry	Japan	Male	Patient Donor Other						
3							Category Selection						
4							Please select the category from the dropdown list (or leave blank)						
5													
6													
7													

Select "Category"

Please input "Category" as follows:

- If the subject is a donor, then select "Donor"
- If the subject is a recipient, then select "Patient"

Upload and Manage Subject Metadata

Optional Fields for Transplantation Studies

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Subject_ID	System_Subject_ID	Labcode	Ancestry	Country	Gender	Category	Organ	Transplant_date	Phenotype	Donor_ID	Father_ID	Mother_ID
2	SUBJECT_001	IHIW19SUB000000	JPNHAC2	Asian ancestry	Japan	Male	Donor						
3								Kidney					
4								Liver					
5								Lung					
6								Heart					
7								Bone marrow					
8								Other					
9													

If the transplanted organ is not listed and select "Other" in the "Organ" column, enter the organ name in the "Phenotype" column.

Select "Organ"

Please input "Organ" as follows:

- If the subject is a donor, then leave it blank (do not select anything)
- If the subject is a recipient, then select the transplanted organ
 - If the transplanted organ is not listed, select "Other." In that case, enter the organ name in the "Phenotype" column.

Upload and Manage Subject Metadata

Optional Fields for Transplantation Studies

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Subject_ID	System_Subject_ID	Labcode	Ancestry	Country	Gender	Category	Organ	Transplant_date	Phenotype	Donor_ID	Father_ID	Mother_ID
2	SUBJECT_001	IHIW19SUB0000000	JPNHAC2	Asian ancestry	Japan	Male	Donor	Bone marrow	2025/9/23				
3													
4													
5													

Input "Transplant date"

Please input "Transplant date" as follows:

- If the subject is a donor, then leave it blank (do not select anything)
- If the subject is a recipient, then input the transplanted date

Upload and Manage Subject Metadata

Optional Fields for Transplantation Studies

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Subject_ID	System_Subject_ID	Labcode	Ancestry	Country	Gender	Category	Organ	Transplant_date	Phenotype	Donor_ID	Father_ID	Mother_ID
2	SUBJECT_001	IHIW19SUB000000	JPNHAC2	Asian ancestry	Japan	Male	Donor	Bone marrow	2025/9/23				
3													
4													

Input "Donor ID"

Please input "Donor ID" as follows:

- If the subject is a donor, then leave it blank (do not select anything)
- If the subject is a recipient, then input the donor ID
 - Donor ID is limited to IDs listed under "Subject ID" in this Excel file.
 - The subject metadata for the corresponding donor must be registered before or at the same time as registering the recipient's subject metadata.

Upload and Manage Subject Metadata

Optional Fields for Disease Association Studies

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Subject_ID	System_Subject_ID	Labcode	Ancestry	Country	Gender	Category	Organ	Transplant_date	Phenotype	Donor_ID	Father_ID	Mother_ID
2	SUBJECT_001	IHIW19SUB000000	JPNHAC2	Asian ancestry	Japan	Male	Patient Donor Other						
3													
4													
5													
6													
7													

Select "Category"

Category Selection
Please select the category from the dropdown list (or leave blank)

Please input "Category" as follows:

- If the subject is a case, then select "Patient"
- If the subject is a control, then select "Other"

Upload and Manage Subject Metadata

Optional Fields for Disease Association Studies

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Subject_ID	System_Subject_ID	Labcode	Ancestry	Country	Gender	Category	Organ	Transplant_date	Phenotype	Donor_ID	Father_ID	Mother_ID
2	SUBJECT_001	IHIW19SUB000000	JPNHAC2	Asian ancestry	Japan	Male	Patient			Type 1 Diabetes			
3													
4													
5													
6													
7													

Input "Phenotype"

Please input "Phenotype" as follows:

- If the subject is a case, then input disease name, such as "Type 1 Diabetes"
- If the subject is a control, then input "Control"

Upload and Manage Subject Metadata

Optional Fields for Familial Studies

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Subject_ID	System_Subject_ID	Labcode	Ancestry	Country	Gender	Category	Organ	Transplant_date	Phenotype	Donor_ID	Father_ID	Mother_ID
2	SUBJECT_001	IHIW19SUB000000	JPNHAC2	Asian ancestry	Japan	Male	Donor	Bone marrow	2025/9/23				
3													
4													

Input "Father ID"

Please input "Father ID" as follows:

- If the subject is a parent, then leave it blank (do not select anything)
- If the subject is a child, then input the father ID
 - Father ID is limited to IDs listed under "Subject ID" in this Excel file.
 - The subject metadata for the corresponding father must be registered before or at the same time as registering the child's subject metadata.

Upload and Manage Subject Metadata

Optional Fields for Familial Studies

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Subject_ID	System_Subject_ID	Labcode	Ancestry	Country	Gender	Category	Organ	Transplant_date	Phenotype	Donor_ID	Father_ID	Mother_ID
2	SUBJECT_001	IHW19SUB000000	JPNHAC2	Asian ancestry	Japan	Male	Donor	Bone marrow	2025/9/23				
3													
4													

Input "Mother ID"

Please input "Mother ID" as follows:

- If the subject is a parent, then leave it blank (do not select anything)
- If the subject is a child, then input the mother ID
 - Mother ID is limited to IDs listed under "Subject ID" in this Excel file.
 - The subject metadata for the corresponding mother must be registered before or at the same time as registering the child's subject metadata.

Upload and Manage Subject Metadata

Save the updated Excel file

[illegible]

Upload and Manage Subject Metadata

Lab View

Lab: GAJ

- 👤

 Lab Members
- 🔗

 Project Linkage
- 🕒

 Genotype Data
- 🔬

 Antibody Testing Data
- 🧴

 Sample Metadata
- 👤

Subject Metadata
- 🔑

 Token Management

Subject Metadata

[📄 Subject Metadata Download](#) [📤 Subject Metadata Upload](#)

Subject_ID	System Subject ID	Labcode	Ancestry	Country	Gender	Category
SUBJECT_001	IHIW19SUB0000000145	JPNHAC2				

Click "Subject Metadata Upload"

Upload and manage subject metadata

The screenshot shows the IHIW19 Lab View interface. The browser address bar displays <https://data.ihiw19.org/lab/#subject-metadata>. The page title is "Lab View" and the user is logged in as "Manabu General2". A file selection dialog is open, showing a list of files and folders. A callout points to the Excel file "subject_metadata_export_MANABUADMINLAB_20250818_194546.xlsx" with the text "Select the updated Excel file". Another callout points to the "開く" (Open) button with the text "Click 'Open'".

Lab View

Lab:

よく使う項目

名前

サイズ

種類

追加日

名前	サイズ	種類	追加日
SubjectMetadata	--	フォルダ	今日 19:03
subject_metadata_export_MANABUADMINLAB_20250818_194546.xlsx	10 KB	Micros...k (.xlsx)	今日 19:45
SampleMetadata	--	フォルダ	今日 19:03
hml-minimal-sample.xml	2 KB	XML Document	今日 19:02
head-IWSampleCI2025-05-13.csv	743 バイト	Comm...et (.csv)	今日 19:02

オプションを表示

キャンセル

開く

Upload

Pheno

2025 IHIW19 Management System

Upload and manage subject metadata

← → G <https://data.ihw19.org/lab/#subject-metadata> ゲスト

IHW19 Dashboard **Lab View** Tsuyoshi Hachiya2

Lab View

Lab: GAJ

- Lab Members
- Project Linkage
- Genotype Data
- Antibody Testing Data
- Sample Metadata
- Subject Metadata**
- Token Management

Subject Metadata

Subject Metadata Download Subject Metadata Upload

Subject Metadata Excel uploaded successfully!

Subject_ID	System Subject ID	Labcode	Ancestry	Country	Gender	Category
SUBJECT_001	IHW19SUB0000000145	JPNHAC2	Asian ancestry	Japan	Male	Donor

Subject metadata is filled from the Excel file