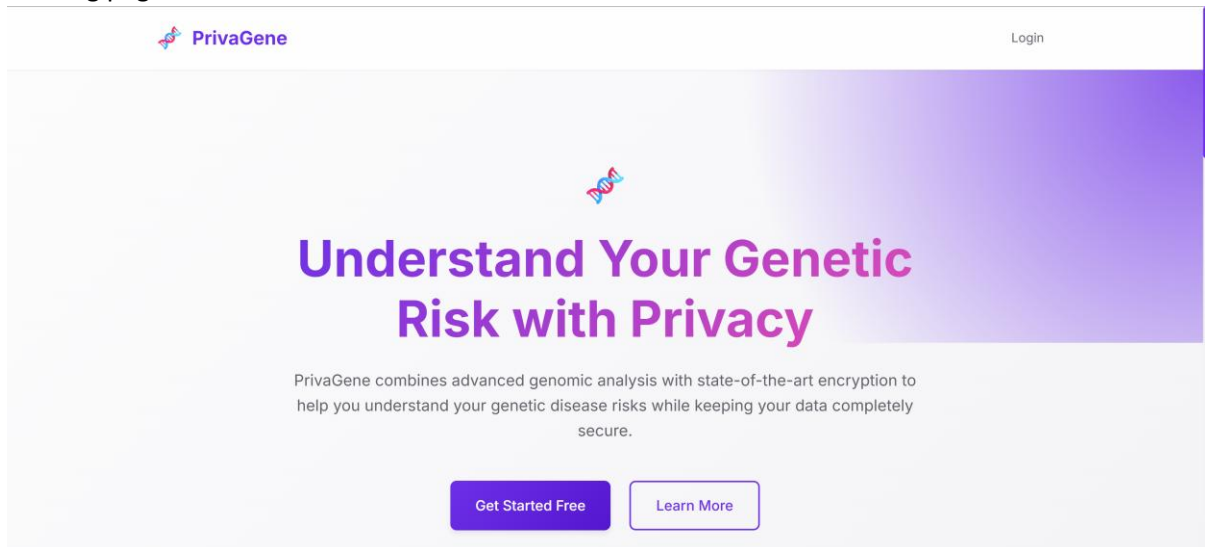
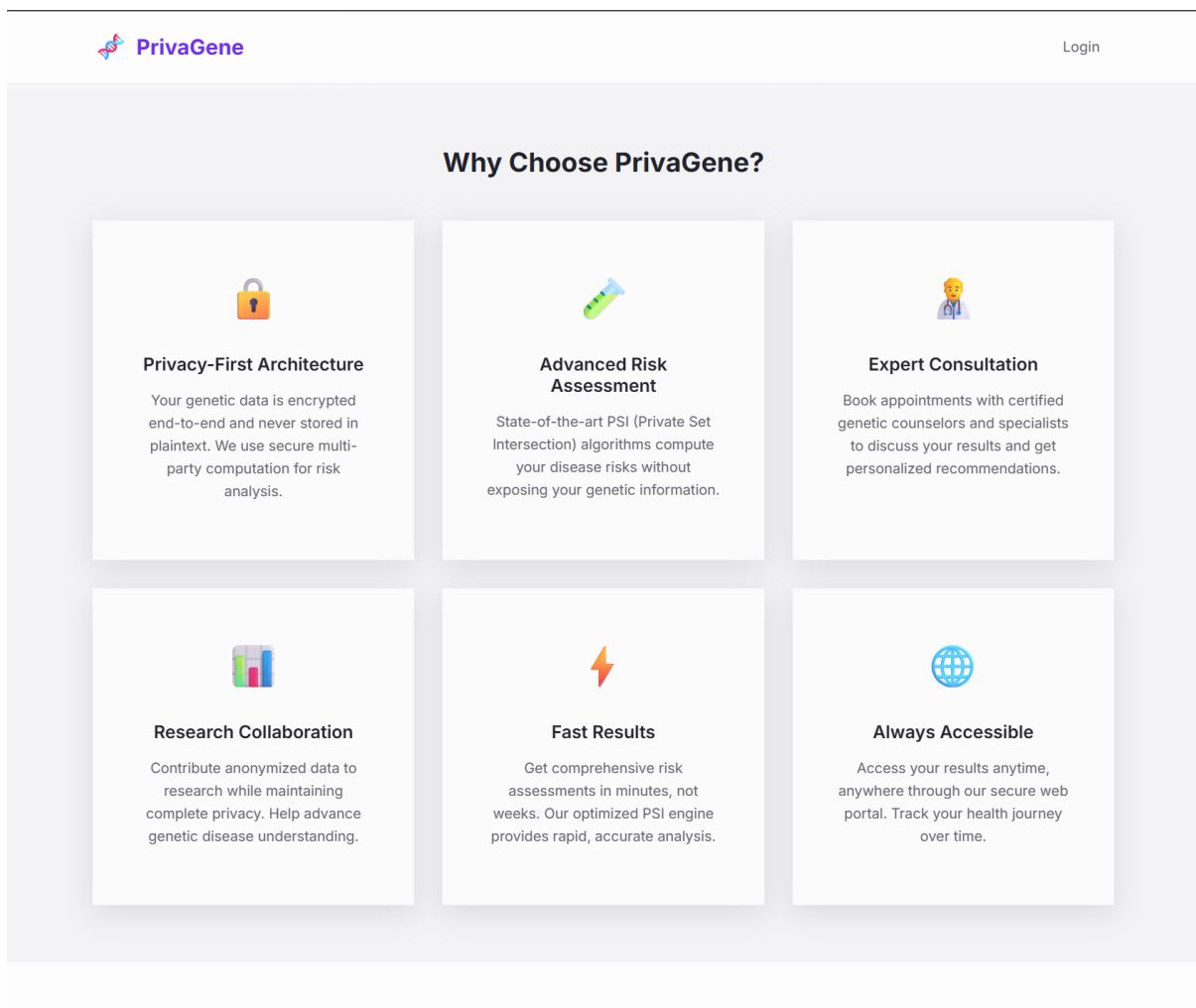


PrivaGene Webapp wireframes


Landing page:



clicked on “Learn More” on landing page:



Bottom of landing page:



Login

Learn More About PrivaGene

[FAQ](#)[Terms of Service](#)[Privacy Policy](#)

What is PSI Technology?

Private Set Intersection allows secure risk computation without exposing your genetic data.

[Learn more →](#)

How secure is my data?

AES-256 encryption and PSI technology ensure your genetic information remains completely private.

[Learn more →](#)

Can I book appointments?


Yes, schedule consultations with certified genetic counselors directly through the platform.

[Learn more →](#)

© 2025 PrivaGene. Secure Genetic Risk Assessment Platform.

Login

[← Back to Home](#)



Welcome Back

Sign in to access your PrivaGene account

Email Address *

you@example.com

Password *

Enter your password

☐ Remember me

[Forgot password?](#)

Sign In

Don't have an account? [Sign up](#)

Forgot password

Reset password


Enter the email associated with your account and we'll send reset instructions.

Email

Send reset instructions


[← Back to Login](#)

Sign up



Choose Your Role

Select how you'll be using PrivaGene




Patient

Discover your genetic disease risk profile

- ✓ Upload genetic data securely
- ✓ Get disease risk assessments
- ✓ Book appointments with specialists
- ✓ View personalized recommendations

Register as Patient




Doctor

Provide genetic counseling and consultations

- ✓ Manage appointment schedule
- ✓ View patient appointments
- ✓ Provide genetic counseling
- ✓ Access patient results (authorized)

Register as Doctor




Hospital Admin

Manage organizational data and gene database

- ✓ Register organization
- ✓ Add gene database entries
- ✓ Manage gene information
- ✓ View organization statistics

Register as Admin



Researcher


Access anonymized data for research

- ✓ View anonymized analytics
- ✓ Filter and query data
- ✓ Export research datasets
- ✓ Generate visualizations

Register as Researcher

Already have an account? [Sign in](#)

Condensed FAQ

PrivaGene

Login

Learn More About PrivaGene

[FAQ](#)[Terms of Service](#)[Privacy Policy](#)

What is PSI Technology?

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Can I book appointments?

Yes, schedule consultations with certified genetic counselors directly through the platform.

[Learn more →](#)

© 2025 PrivaGene. Secure Genetic Risk Assessment Platform.

Condensed TOS

PrivaGene

Login

Learn More About PrivaGene

[FAQ](#)[Terms of Service](#)[Privacy Policy](#)

User Responsibilities

Users must provide accurate information and maintain account security at all times.

[Read full terms →](#)

Medical Disclaimer

PrivaGene provides risk assessments, not medical diagnosis. Consult healthcare professionals.

[Read full terms →](#)


Data Usage

Your data is used solely for risk assessment unless you consent to research sharing.

[Read full terms →](#)

© 2025 PrivaGene. Secure Genetic Risk Assessment Platform.

Condensed Privacy Policy

PrivaGene

Login

Learn More About PrivaGene

[FAQ](#)[Terms of Service](#)[Privacy Policy](#)

Data Collection

We only collect data necessary for risk assessment and platform functionality.

[Read full policy →](#)

Data Protection

Industry-standard encryption, secure storage, and regular security audits protect your data.

[Read full policy →](#)


Your Rights

Access, modify, or delete your data anytime. Full control over your genetic information.

[Read full policy →](#)

© 2025 PrivaGene. Secure Genetic Risk Assessment Platform.


Expanded FAQ



Login

Frequently Asked Questions

Find answers to common questions about PrivaGene

 **Privacy & Security**

How is my genetic data protected?


Your genetic data is encrypted using AES-256 encryption before upload. We use Private Set Intersection (PSI) to compute risk assessments without exposing your raw genetic information. Your data is never stored in plaintext.

Who can access my data?

Only you have access to your full genetic data and results. Hospitals and specialists can only see information you explicitly share with them during consultations. Researchers only access anonymized, aggregated data with your consent.

Can I delete my data?

Yes, you can delete your account and all associated data at any time from your profile settings. Deletion is permanent and cannot be undone.

 **How PSI Works**

What is Private Set Intersection (PSI)?


PSI is a cryptographic technique that allows two parties to find common elements in their datasets without revealing any other information. In PrivaGene, we use PSI to match your genetic markers against disease-associated genes in our database without exposing your raw genetic data.

How accurate are the risk assessments?

Our risk assessments are based on peer-reviewed genetic research and continuously updated gene databases. However, genetic risk is just one factor in disease development. Environmental factors, lifestyle, and family history also play important roles.

How long does risk assessment take?

PSI computation typically takes 2-5 minutes depending on the number of disease categories selected and the size of your genetic data file.


 **Uploading Data**

What file formats are supported?

We accept genetic data in common formats: VCF, 23andMe, AncestryDNA, and standard CSV files with genetic markers. Maximum file size is 50MB.

Can I upload multiple files?

Yes, you can upload multiple genetic data files. Each upload is processed separately and tracked in your upload history.

 **Support & Consultations**

How do I book a consultation?

From your dashboard, navigate to the Appointments section. You can view available specialists, select a time slot, and book a consultation directly through the platform.

Can't find your answer?

Contact our support team and we'll get back to you within 24 hours.

© 2025 PrivaGene. Secure Genetic Risk Assessment Platform.

Terms of Service

Last updated: November 2025

Acceptance of Terms

By accessing and using PrivaGene, you accept and agree to be bound by these Terms of Service. If you do not agree to these terms, please do not use our platform.

Service Description

PrivaGene provides genetic disease risk assessment services using Private Set Intersection (PSI) technology. Our services include:

- Secure genetic data upload and storage
- Privacy-preserving risk assessment computation
- Consultation booking with genetic specialists
- Access to anonymized research data (with consent)

User Responsibilities

As a user, you agree to:

- Provide accurate and truthful information
- Maintain the confidentiality of your account credentials
- Not upload data belonging to others without proper authorization
- Use the platform only for lawful purposes
- Not attempt to breach security or access unauthorized data

Medical Disclaimer

⚠ IMPORTANT:

PrivaGene provides genetic risk assessments for informational purposes only. Our results are NOT a substitute for professional medical advice, diagnosis, or treatment. Always consult with qualified healthcare providers regarding your health and genetic risks.

Data Ownership

You retain full ownership of your genetic data. PrivaGene acts as a secure custodian of your data. You may download or delete your data at any time. Upon account deletion, all your data will be permanently removed from our systems within 30 days.

Limitation of Liability

PrivaGene and its affiliates shall not be liable for:

- Medical decisions made based on risk assessment results
- Accuracy of third-party genetic data uploaded to the platform
- Service interruptions or technical issues beyond our control
- Indirect, incidental, or consequential damages


Account Termination

We reserve the right to suspend or terminate accounts that violate these terms, engage in fraudulent activity, or misuse the platform. You may terminate your account at any time from your profile settings.

Changes to Terms

We may update these Terms of Service from time to time. We will notify users of significant changes via email and platform notifications. Continued use of the platform after changes constitutes acceptance of the new terms.

Expanded privacy policy

 PrivaGene

Login

Privacy Policy

Last updated: November 2025

Introduction

PrivaGene is committed to protecting your privacy and the security of your genetic data. This Privacy Policy explains how we collect, use, protect, and share your personal and genetic information.

By using PrivaGene, you agree to the practices described in this policy.

Data We Collect

Personal Information

- Name, email address, and contact information
- Account credentials (encrypted)
- Professional credentials (for healthcare providers and researchers)


Genetic Data

- Genetic information uploaded by you
- Risk assessment results
- Disease category selections


Usage Information

- Platform usage and activity logs
- Appointment booking history
- Support tickets and communications


How We Protect Your Data

 **End-to-End Encryption**


All genetic data is encrypted using AES-256 encryption before transmission and storage.

 **Private Set Intersection (PSI)**

Risk assessments are computed using PSI technology, which analyzes your data without exposing it in plaintext.

 **Access Controls**

Role-based access controls ensure only authorized personnel can access specific data.

 **Audit Logs**

All data access is logged and can be audited for security purposes.

Data Sharing

Your genetic data is NEVER shared without your explicit consent. We may share data only in these cases:

- Healthcare Providers:** Only when you book a consultation and explicitly authorize sharing
- Researchers:** Only anonymized, aggregated data with your opt-in consent
- Legal Requirements:** When required by law or to protect our rights

Your Rights

You have the right to:

- Access your data at any time
- Request corrections to your personal information
- Delete your account and all associated data
- Opt out of research data sharing
- Download your genetic data and results
- Revoke consent for data processing

Contact Us


For privacy-related questions or to exercise your rights, contact us:
Email: privacy@privagene.com

Or use our [Contact Form](#)

© 2025 PrivaGene. Secure Genetic Risk Assessment Platform.

Register as patient

[← Choose Different Role](#)



Patient Registration

Create your account to start your genetic health journey

First Name *

Last Name *

Email Address *

Date of Birth *

dd/mm/yyyy

Phone Number

+65 9223 4567

Optional, for appointment reminders

Password *

At least 8 characters

Confirm Password *

☐ I agree to the [Terms of Service](#) and [Privacy Policy](#)


☐ I consent to share anonymized data for research purposes

Create Account

Already have an account? [Sign in](#)

Register as hospital specialist

[← Choose Different Role](#)



Hospital Specialist Registration

Join our network of genetic counseling professionals

First Name *

Last Name *

Professional Email *

doctor@hospital.com

Specialty *

e.g., Genetic Counseling

License Number *

Hospital/Organization

Password *

Password must contain:

✓ At least 8 characters

✓ One uppercase letter

✓ One number

Confirm Password *

☐ I agree to the [Terms of Service](#) and [Privacy Policy](#)

Create Account

Already have an account? [Sign in](#)

Register as hospital admin

[← Choose Different Role](#)



Hospital Admin Registration

Manage your organization's genetic database

First Name *

Last Name *

Email Address *

Organization *

Hospital/Research Institute Name

Password *

Password must contain:

✓ At least 8 characters

✓ One uppercase letter

✓ One number

Confirm Password *

☐ I agree to the [Terms of Service](#) and [Privacy Policy](#)

Create Account

Already have an account? [Sign in](#)

Register as researcher

[← Choose Different Role](#)

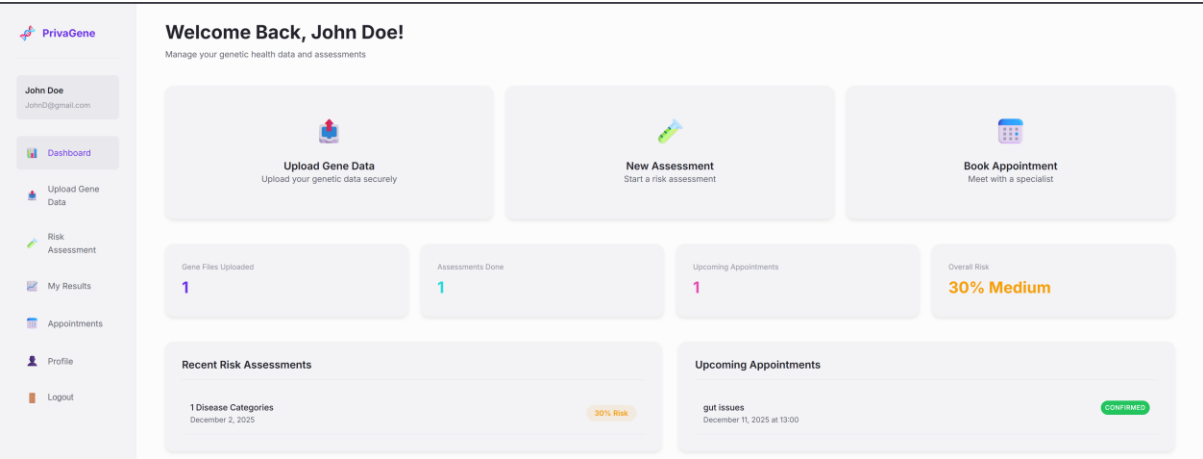


Researcher Registration

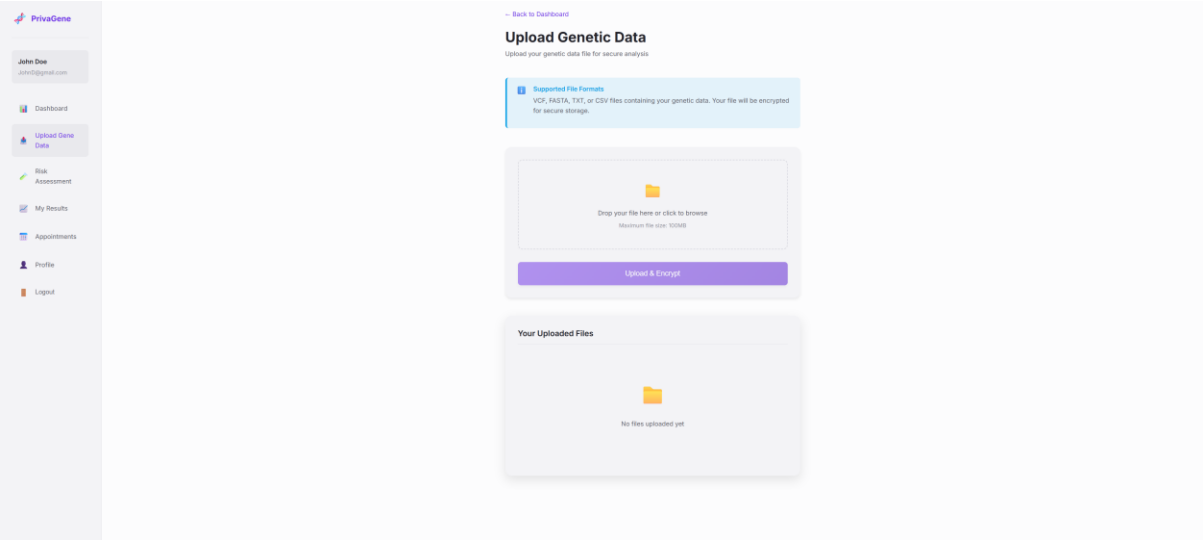
Access anonymized genetic data for your research

First Name *	Last Name *
<input type="text"/>	<input type="text"/>
Academic Email *	
<input type="text" value="researcher@university.edu"/>	
Institution *	
<input type="text" value="University or Research Institute"/>	
Research Field *	
<input type="text" value="e.g., Genomics, Bioinformatics"/>	
ORCID ID	
<input type="text" value="0000-0000-0000-0000"/>	
Optional researcher identifier	
Password *	
<input type="password"/>	
Password must contain:	
<input checked="" type="checkbox"/> At least 8 characters	
<input checked="" type="checkbox"/> One uppercase letter	
<input checked="" type="checkbox"/> One number	
Confirm Password *	
<input type="password"/>	
<input type="checkbox"/> I agree to the Terms of Service and Privacy Policy	
<input type="button" value="Create Account"/>	
Already have an account? Sign in	

patient dashboard



patient upload gene data



Patient uploading gene data

[← Back to Dashboard](#)

Upload Genetic Data

Upload your genetic data file for secure analysis

Supported File Formats

VCF, FASTA, TXT, or CSV files containing your genetic data. Your file will be encrypted for secure storage.

Drop your file here or click to browse

Maximum file size: 100MB

mygenetest.txt

4 Bytes

Remove

Upload & Encrypt

Your Uploaded Files

No files uploaded yet

Patient gene data uploaded

[← Back to Dashboard](#)

Upload Genetic Data

Upload your genetic data file for secure analysis

Supported File Formats
VCF, FASTA, TXT, or CSV files containing your genetic data. Your file will be encrypted for secure storage.

Drop your file here or click to browse

Maximum file size: 100MB

Upload & Encrypt

Your Uploaded Files

mygenetest.txt

4 Bytes • Uploaded December 2, 2025

Encrypted (encrypted_id_1764687108406_mk2baslgt)

PROCESSED

patient risk assessment

John Doe

JohnD@gmail.com

Dashboard

Upload Gene Data

Risk Assessment

My Results

Appointments

Profile

Logout

Select Disease Categories

Choose which disease categories you want to assess your risk for

Available Disease Categories
Select one or more categories to compute your risk

☐ **Breast Cancer**
Hereditary breast cancer risk

☐ **Ovarian Cancer**
Hereditary ovarian cancer risk

☐ **Alzheimer's Disease**
Late-onset Alzheimer's disease risk

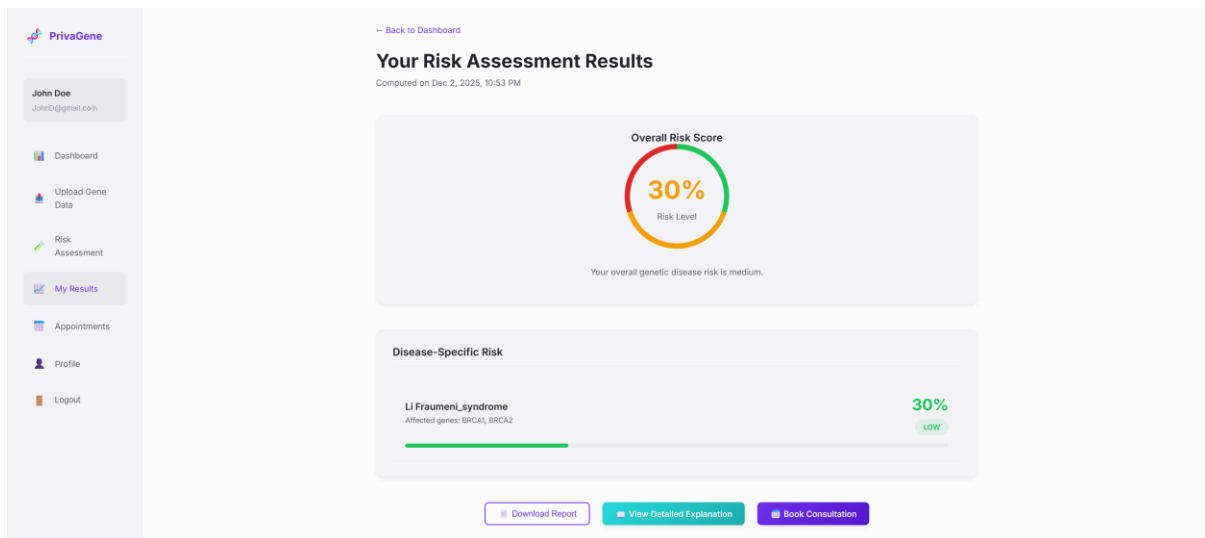
☐ **Hemochromatosis**
Iron overload disorder

☒ **Li-Fraumeni Syndrome**
Multiple cancer risk syndrome

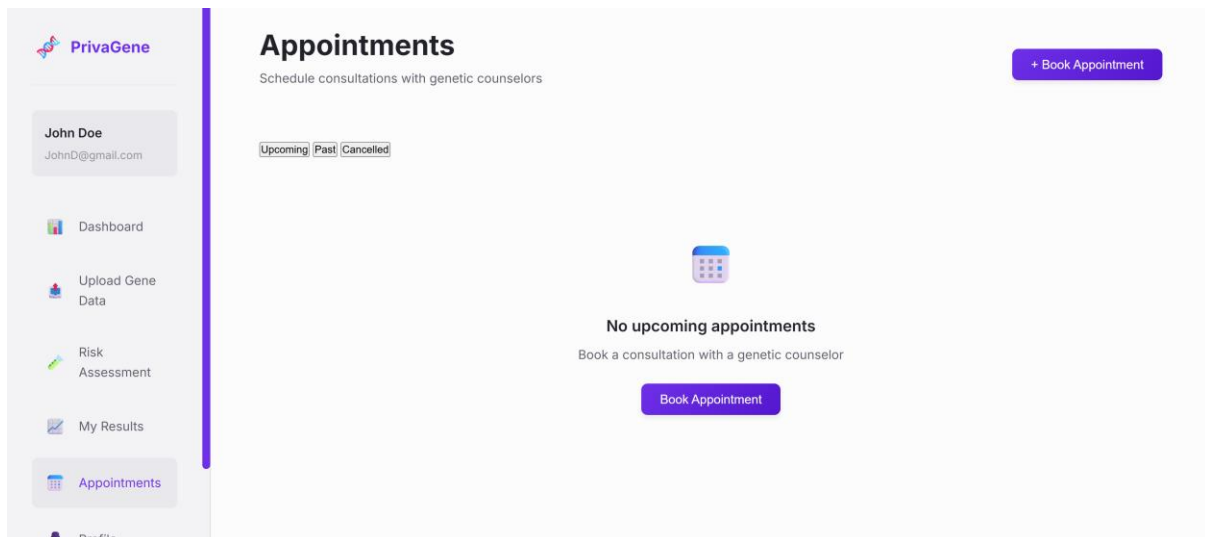
1 categories selected

Compute Risk Assessment

patient my results



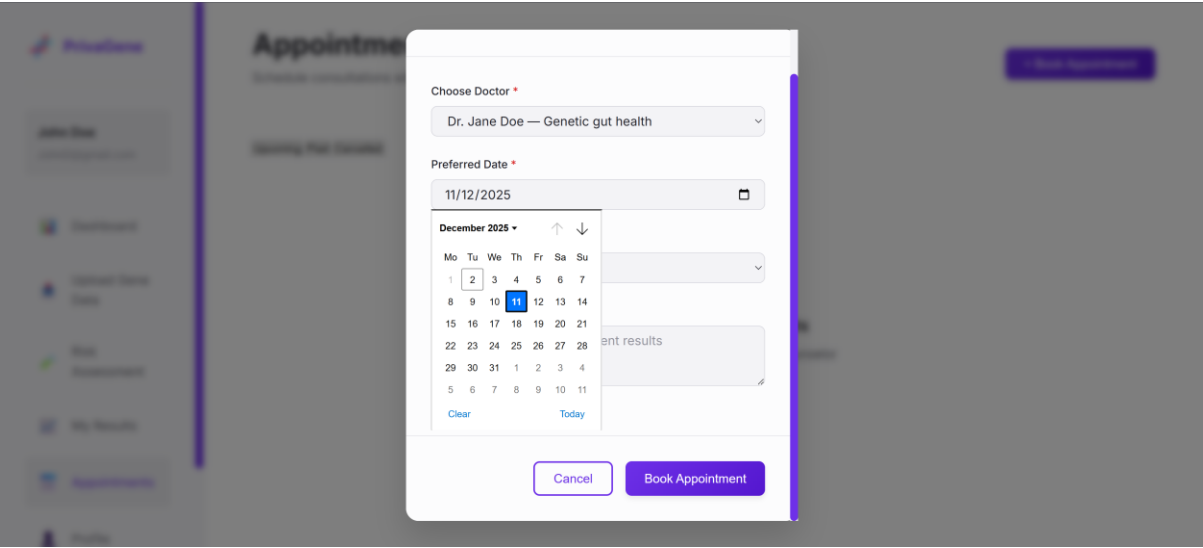
patient appointments



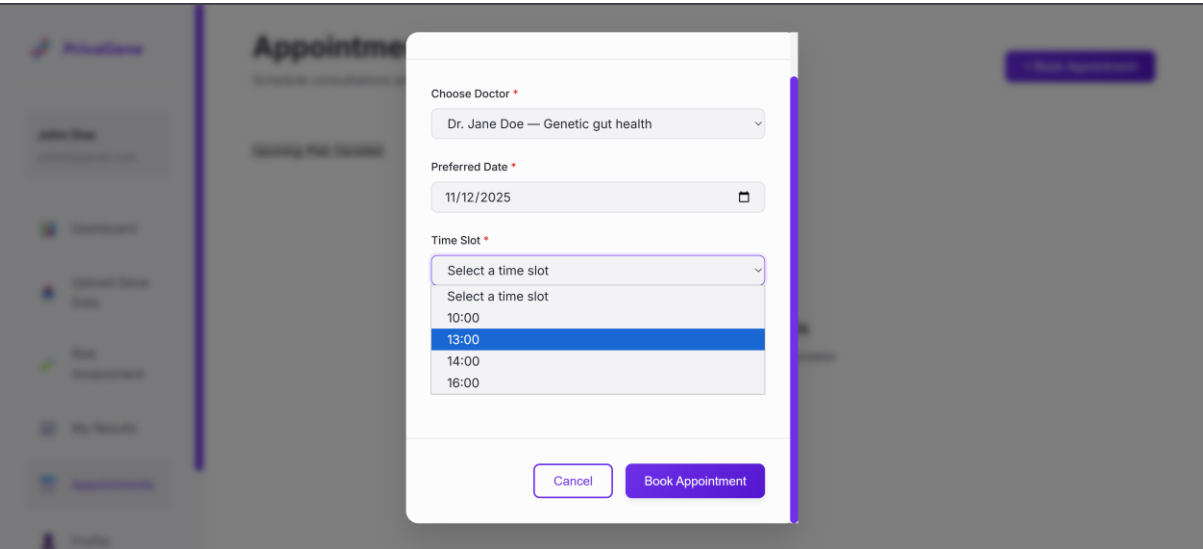
Patient book appointment – choose doctor

The screenshot shows the 'Book Appointment' modal form. It has a heading 'Choose Doctor *' with a dropdown menu 'Select a doctor'. Below this is a 'Preferred Date *' field with a date input 'dd/mm/yyyy' and a calendar icon. Then there's a 'Time Slot *' field with a dropdown menu 'Select date and doctor first'. Below that is a 'Reason for Visit' text area with the placeholder 'e.g., Discuss risk assessment results'. At the bottom, there are two buttons: 'Cancel' and 'Book Appointment'.

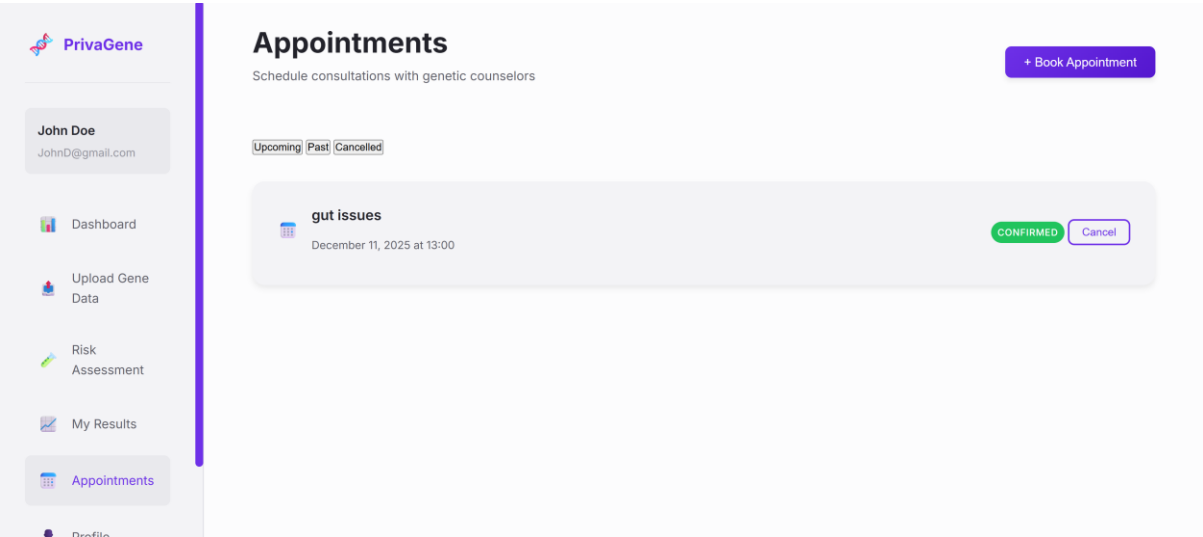
Patient book appointment – choose date



Patient book appointment – choose time slot



Patient appointment shown



patient profile

PrivaGene

John Doe
john.d@gmail.com

Dashboard

Upload Gene Data

Risk Assessment

My Results

Appointments

Profile

Logout

Profile Settings

Manage your account information and preferences

Personal Information

First Name

Last Name

Email Address

Date of Birth

Phone Number

Save Changes

Privacy & Data Sharing

☐ Share anonymized data for research
Help advance genetic research by sharing your anonymized data

☒ Email notifications
Receive updates about your assessments and appointments

Security

Change Password

Delete Account

Once you delete your account, all your data will be permanently removed. This cannot be undone.

Delete Account

Patient forgot password

PrivaGene

John Doe
john.d@gmail.com

Dashboard

Upload Gene Data

Risk Assessment

My Results

Appointments

Profile

Logout

Change Password

Current Password *

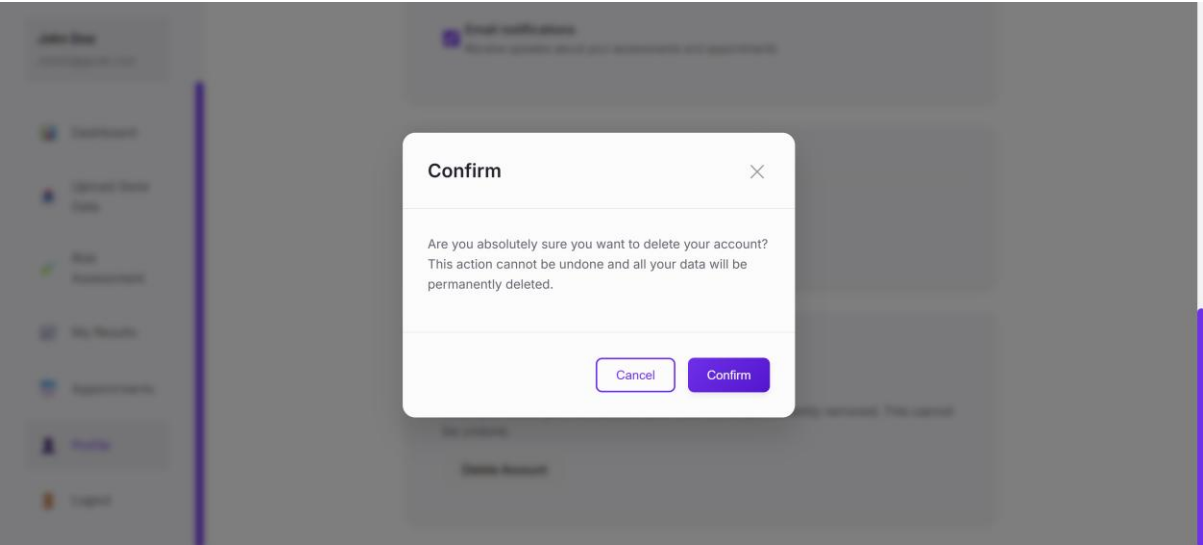
New Password *

Confirm New Password *

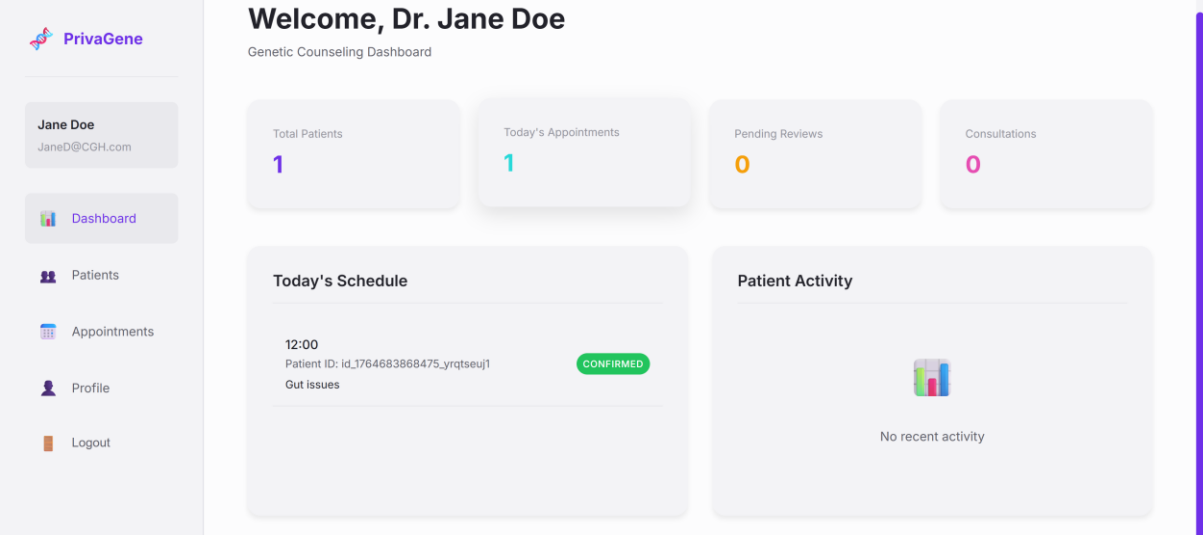
Cancel

Change Password

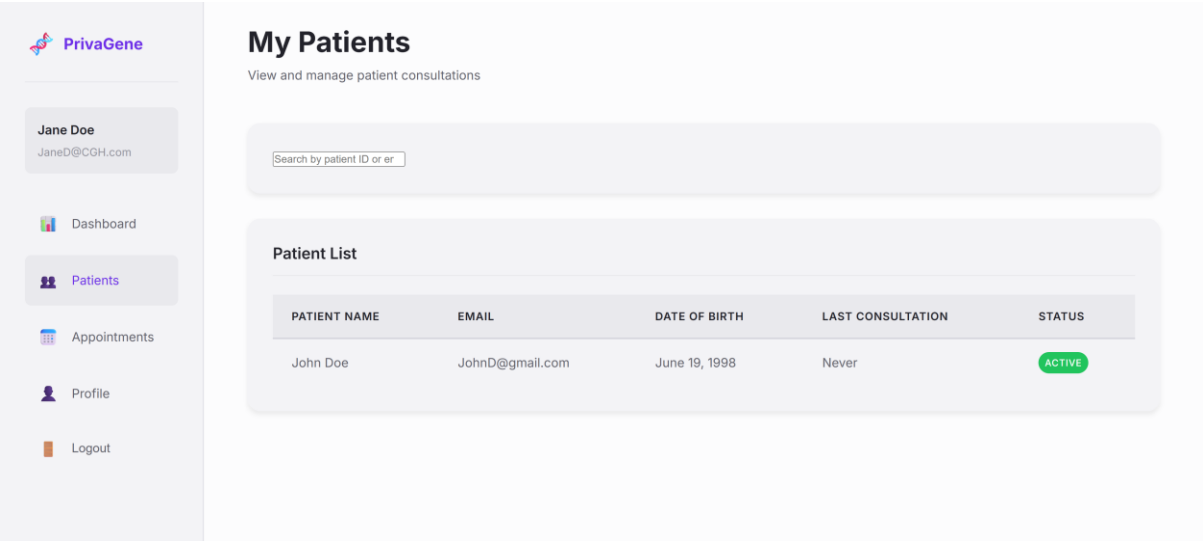
Patient delete account



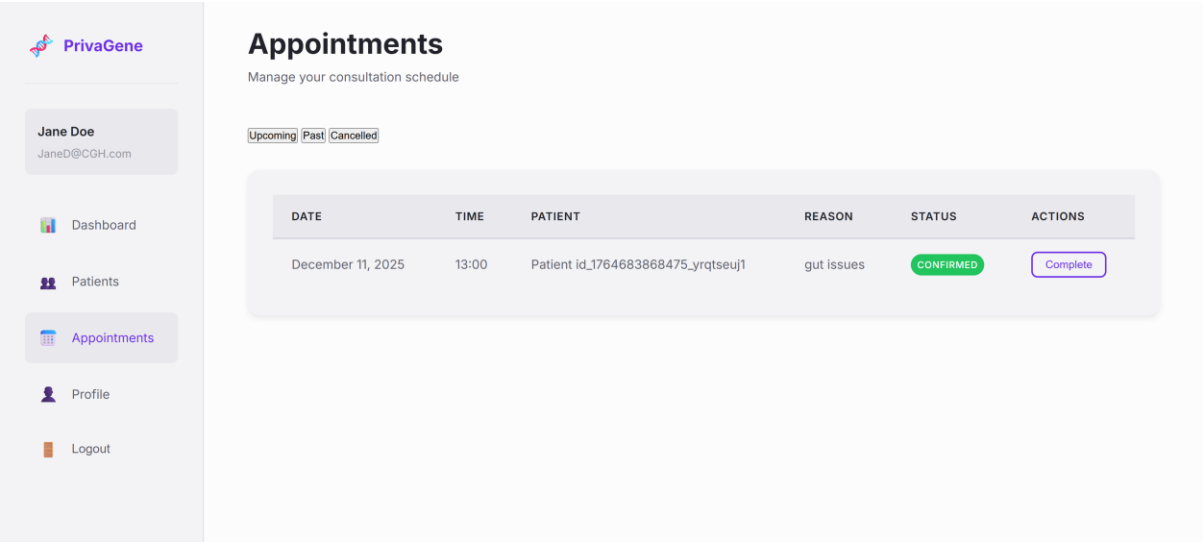
Hospital specialist Dashboard



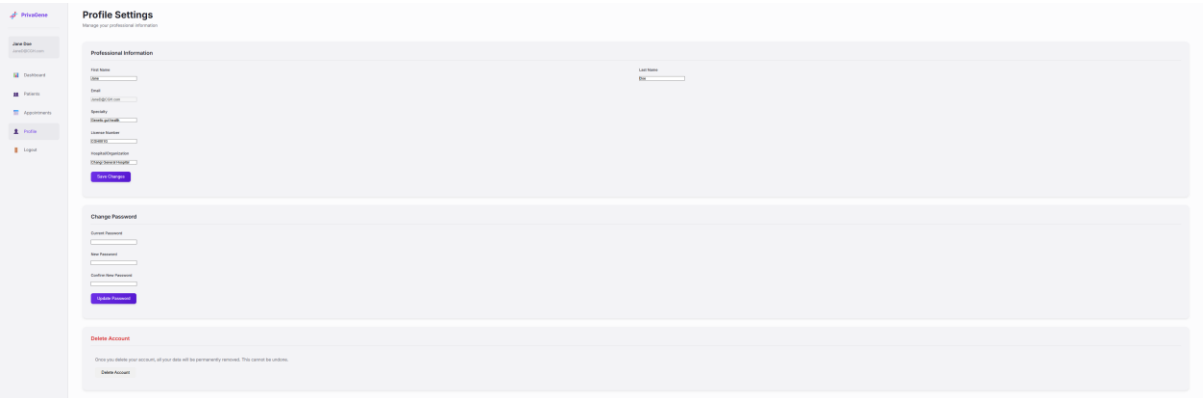
Hospital specialist Patients



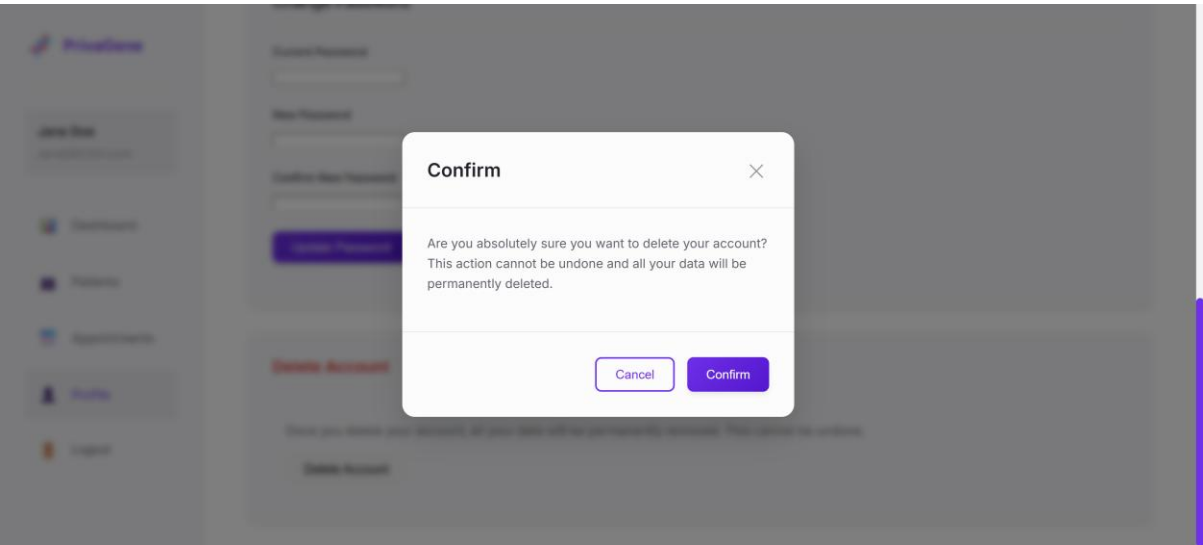
Hospital specialist Appointments



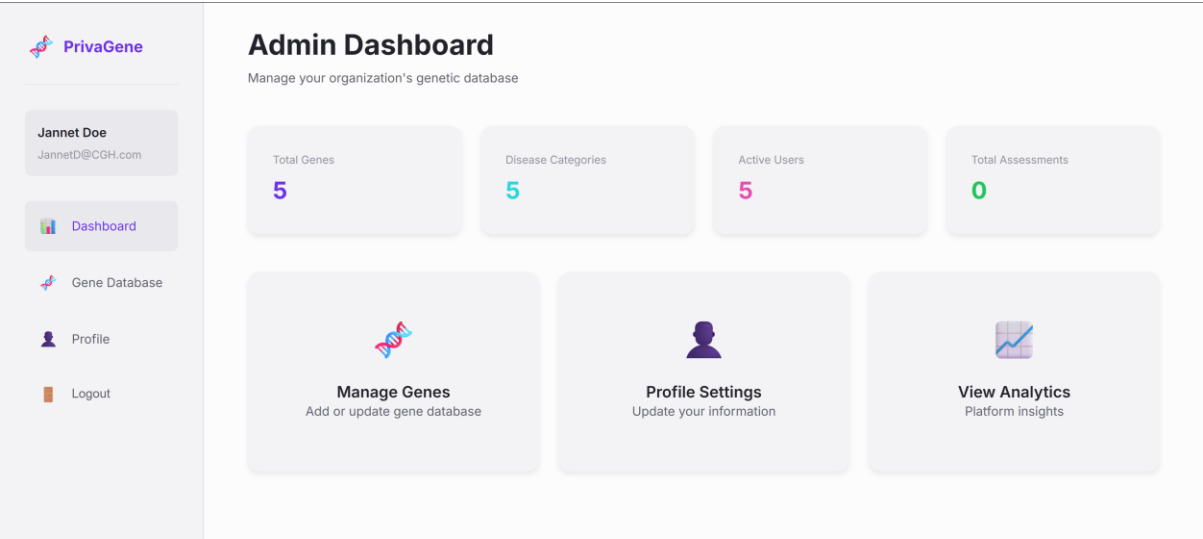
Hospital specialist Profile



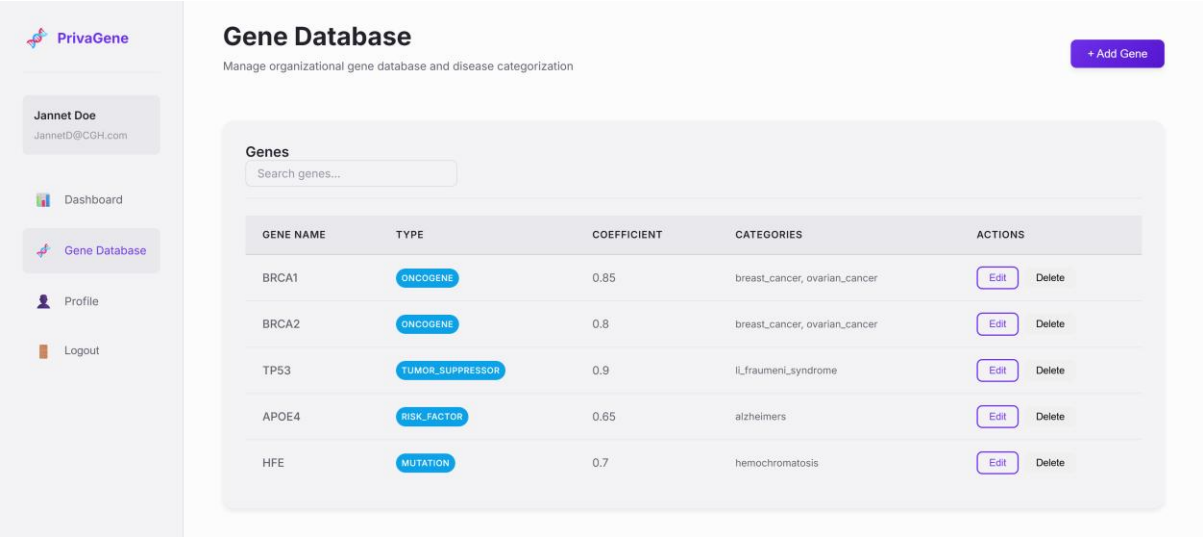
Hospital specialist Delete Account



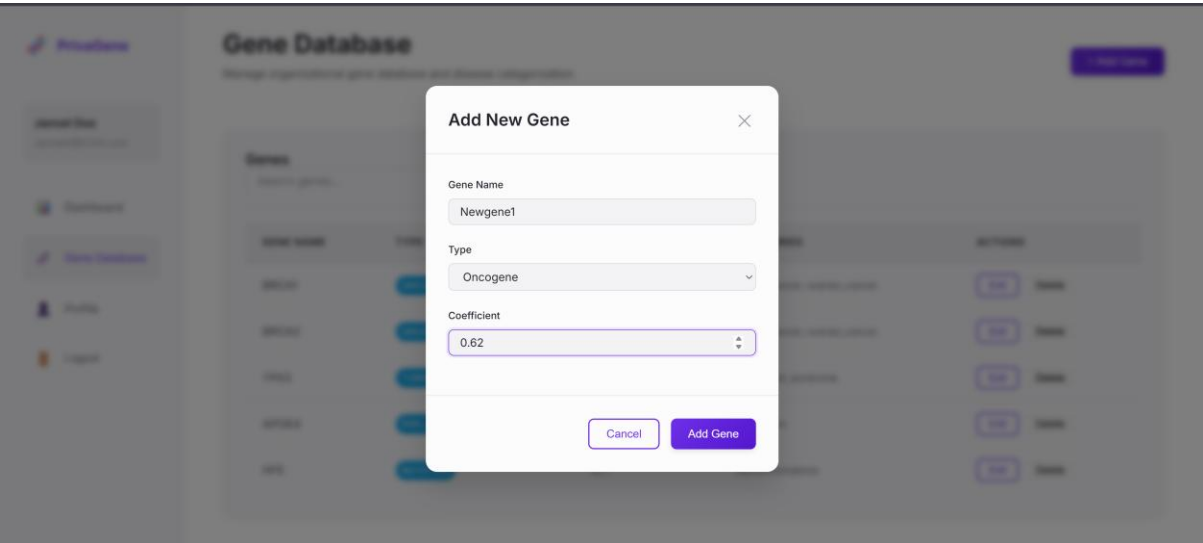
Hospital admin Dashboard



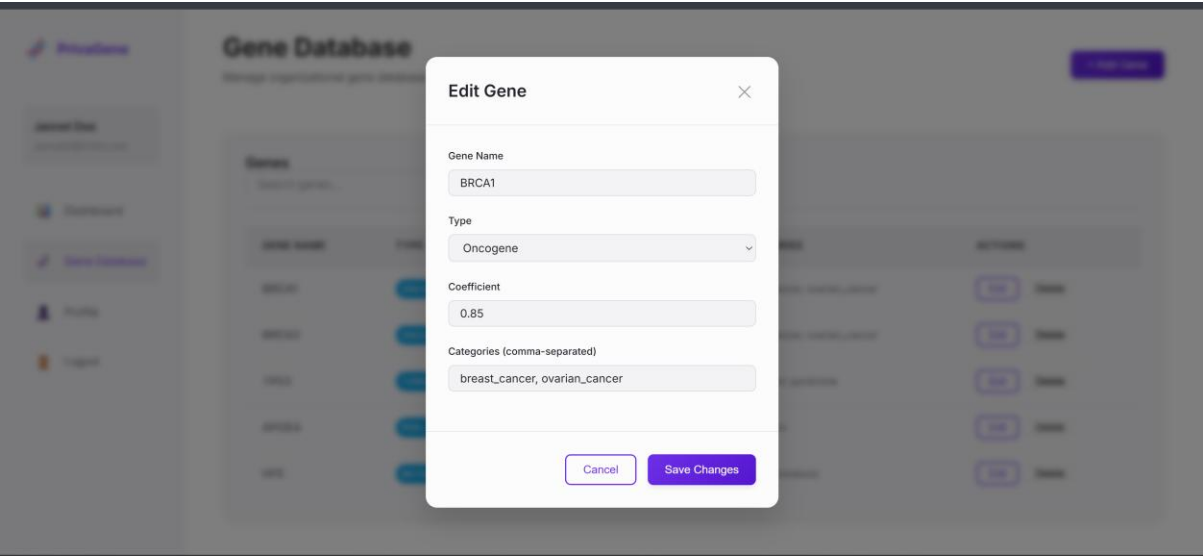
Hospital admin Gene Database



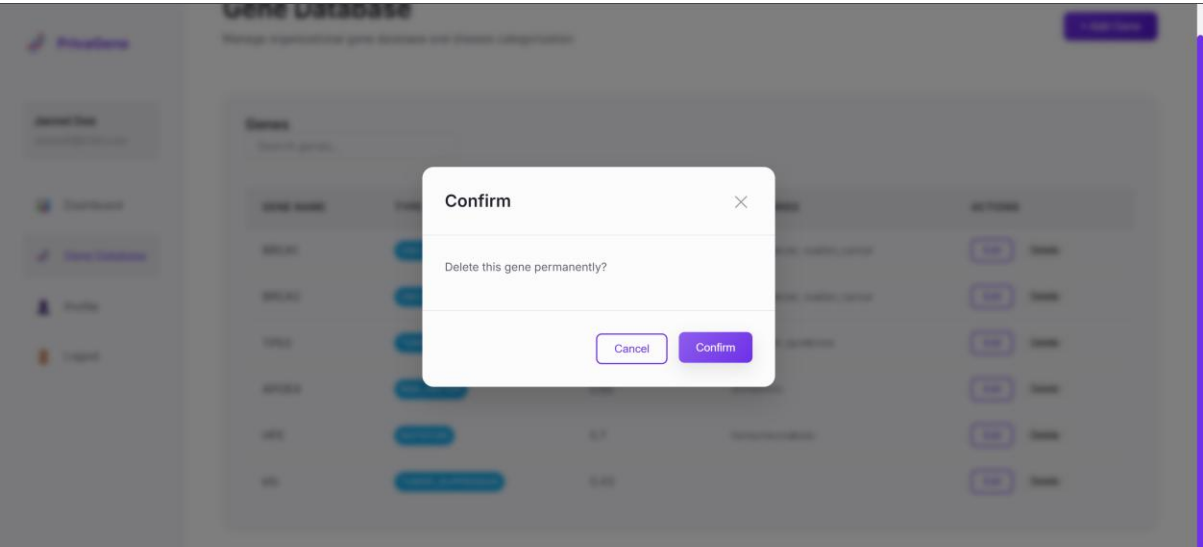
Hospital admin add new gene



Hospital admin edit gene



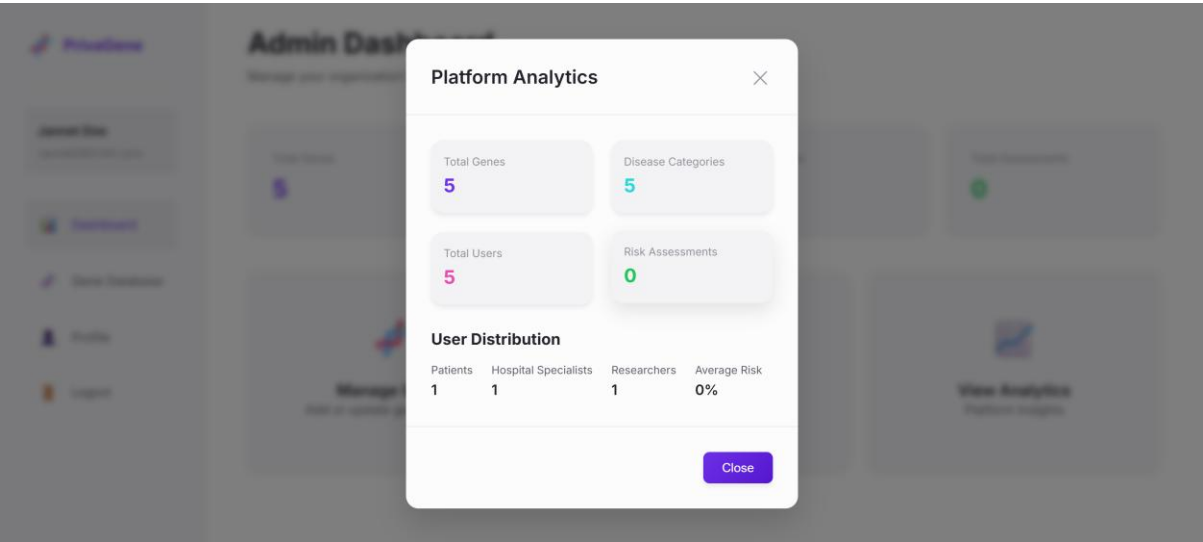
Hospital admin delete gene



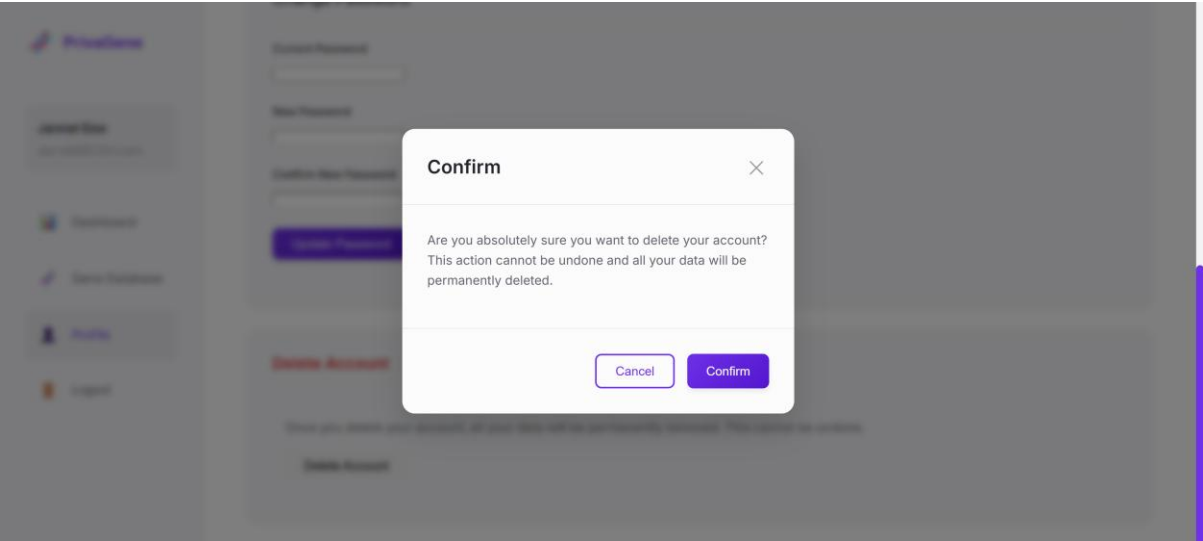
Hospital admin Profile



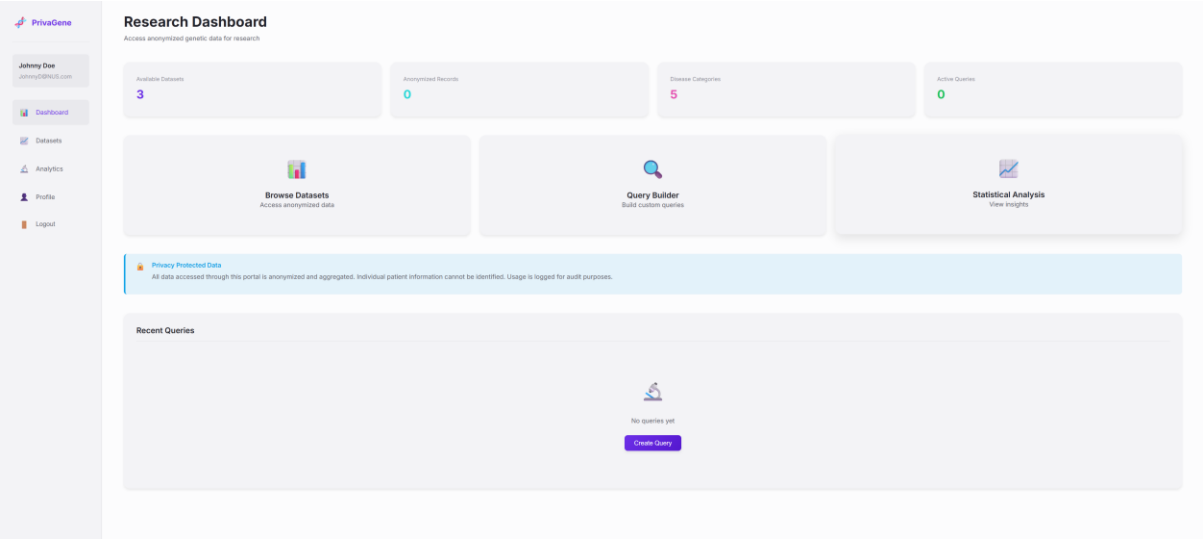
Hospital admin view analytics



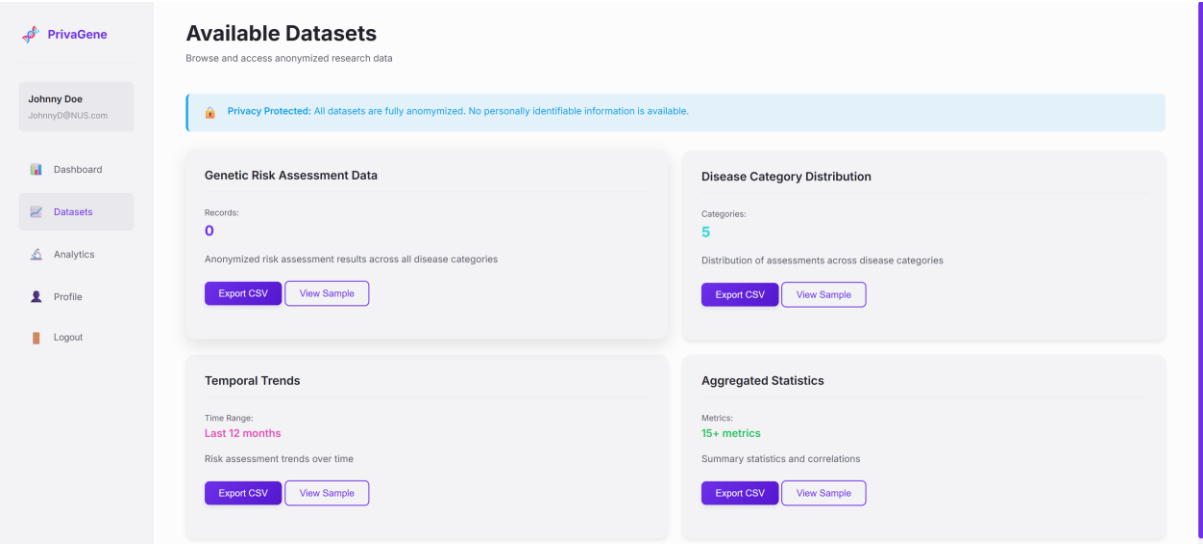
Hospital admin delete profile



Research Dashboard



Research Datasets



Researcher Query Builder

PrivaGene

Johnny Doe
JohnnyD@NUS.com

Dashboard

Datasets

Query Builder

Analytics

Profile

Logout

Query Builder

Build custom queries to analyze anonymized genetic data

Query Parameters

Age Range

1766

Risk Level

Medium (30-70%)

Disease Categories

☐ Breast Cancer

☐ Ovarian Cancer

☒ Alzheimer's

☐ Hemochromatosis

Run Query

Reset

Researcher query results

PrivaGene

Johnny Doe
JohnnyD@NUS.com

Dashboard

Datasets

Query Builder

Analytics

Profile

Logout

Query Results

Export CSV

Total Records

6

Avg Risk

53%

High Risk

0

ID	AGE	RISK LEVEL	CATEGORIES	ASSESSMENT DATE
RES-1010	40	54%	Breast Cancer	September 23, 2024
RES-1011	37	50%	Ovarian Cancer	March 11, 2024
RES-1013	65	50%	Ovarian Cancer	March 4, 2024
RES-1016	22	54%	Ovarian Cancer	February 11, 2024
RES-1021	23	63%	Breast Cancer	September 5, 2024
RES-1023	64	35%	Ovarian Cancer	May 27, 2024

Research Analytics

PrivaGene

Johnny Doe
JohnnyD@NUS.com

Dashboard

Datasets

Analytics

Profile

Logout

Statistical Analytics

Visualize and analyze genetic risk data

Total Assessments

0

Avg Risk Score

0%

High Risk Cases

0

Disease Categories

5

Risk Distribution

Risk distribution chart would appear here
(Visualization placeholder)

Disease Category Breakdown

Category distribution chart would appear here
(Visualization placeholder)

Temporal Trends

Trend line chart would appear here
(Visualization placeholder)

Correlation Matrix

Heatmap would appear here
(Visualization placeholder)

Research Profile

PrivaGene

Johnny Doe
johny@DNUS.com

Dashboard

Datasets

Analytics

Profile

Logout

Profile Settings

Manage your research account information

Researcher Information

First Name

Johny

Last Name

Doe

Email

johny@DNUS.com

Institution

National University of Orgy

Research Focus

Cell Transcription, Cardiac

Save Changes

Change Password

Current Password

New Password

Confirm New Password

Update Password

Delete Account

Once you delete your account, all your data will be permanently removed. This cannot be undone.

Delete Account

Researcher delete account

PrivaGene

Johnny Doe
johny@DNUS.com

Dashboard

Datasets

Analytics

Profile

Logout

Profile Settings

Manage your research account information

Researcher Information

First Name

Johny

Last Name

Doe

Email

johny@DNUS.com

Institution

National University of Orgy

Research Focus

Cell Transcription, Cardiac

Save Changes

Change Password

Current Password

New Password

Confirm New Password

Update Password

Delete Account

Once you delete your account, all your data will be permanently removed. This cannot be undone.

Delete Account

Confirm

Are you absolutely sure you want to delete your account?
This action cannot be undone and all your data will be permanently deleted.

Cancel

Confirm

System admin dashboard

PrivaGene

System Administrator
sysadmin@privagene.com

Dashboard

Audit Logs

User Management

Organizations

Platform Analytics

System Settings

Security

Logout

System Dashboard

Platform-wide management and oversight

Total Organizations

0

Platform Users

0

Total Genes

0

Assessments Run

0

Manage Organizations

Register and oversee hospitals

Platform Analytics

View comprehensive insights

System Settings

Configure platform parameters

System Health

Database Status

PSI Computation Engine

Encryption Service

ONLINE

RUNNING

ACTIVE

System admin Audit logs

PrivaGene

System Administrator
System Admin

Dashboard

Audit Logs

User Management

Security

Logout

Audit Logs

Monitor all system activity and user actions

User Email
user@example.com

Action
All Actions

Start Date
dd/mm/yyyy

End Date
dd/mm/yyyy

Apply Filters

Clear

Activity Logs (50)

Export CSV

Timestamp	User	Action	IP Address	Details
Dec 2, 2025, 02:00 PM	JohnD@gmail.com	UPDATE_PROFILE	192.168.208.12	Action performed successfully
Dec 2, 2025, 01:02 PM	JohnD@gmail.com	LOGOUT	192.168.248.22	Action performed successfully
Dec 2, 2025, 10:28 AM	sysadmin@privagene.com	UPLOAD_GENE	192.168.44.79	Action performed successfully
Dec 2, 2025, 08:43 AM	JaneD@CGH.com	UPLOAD_GENE	192.168.213.21	Action performed successfully

System admin User management

PrivaGene

System Administrator
System Admin

Dashboard

Audit Logs

User Management

Security

Logout

User Management

Manage user accounts and permissions

Search by name or email

Total Users
5

Active Users
3

Suspended Users
0

Pending Approval
2

All Users

Name	Email	Role	Status	Registered	Actions
System Administrator	sysadmin@privagene.com	SYSTEM ADMIN	ACTIVE	December 2, 2025	Suspend Delete
John Doe	JohnD@gmail.com	PATIENT	ACTIVE	December 2, 2025	Suspend Delete
Jane Doe	JaneD@CGH.com	HOSPITAL SPECIALIST	ACTIVE	December 2, 2025	Approve Reject Delete
Jannet Doe	JannetD@CGH.com	HOSPITAL ADMIN	ACTIVE	December 2, 2025	Approve Reject Delete
Johnny Doe	JohnnyD@NUS.com	RESEARCHER	ACTIVE	December 2, 2025	Suspend Delete

System admin user suspend user

PrivaGene

System Administrator
System Admin

Dashboard

Audit Logs

User Management

Security

Logout

User Management

Manage user accounts and permissions

Search by name or email

Total Users
5

Active Users
3

Suspended Users
0

Pending Approval
2

All Users

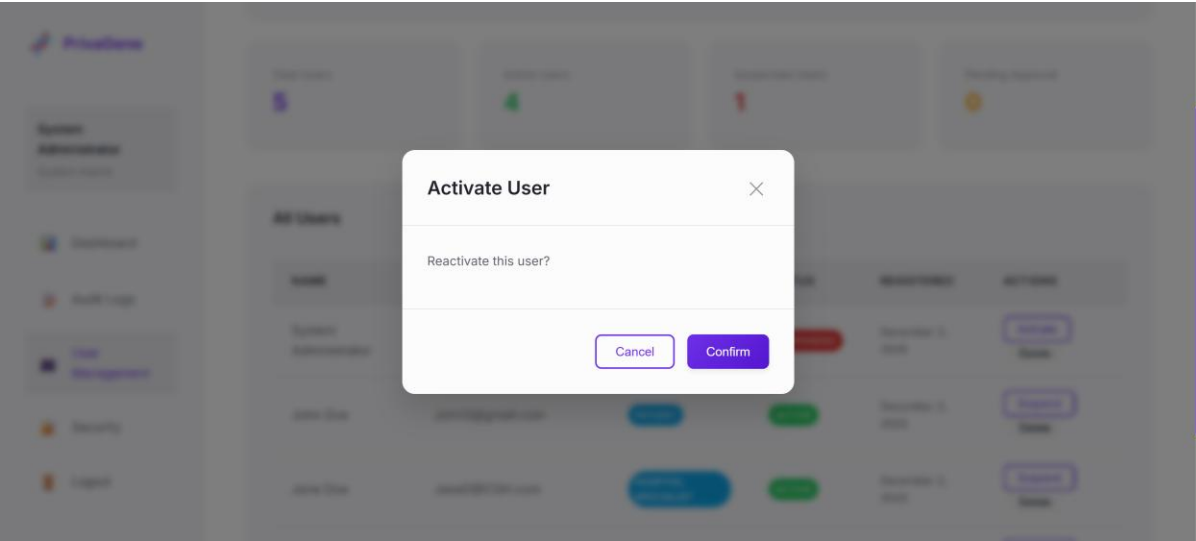
Name	Email	Role	Status	Registered	Actions
System Administrator	sysadmin@privagene.com	SYSTEM ADMIN	ACTIVE	December 2, 2025	Suspend Delete
John Doe	JohnD@gmail.com	PATIENT	ACTIVE	December 2, 2025	Suspend Delete
Jane Doe	JaneD@CGH.com	HOSPITAL SPECIALIST	ACTIVE	December 2, 2025	Approve Reject Delete
Jannet Doe	JannetD@CGH.com	HOSPITAL ADMIN	ACTIVE	December 2, 2025	Approve Reject Delete
Johnny Doe	JohnnyD@NUS.com	RESEARCHER	ACTIVE	December 2, 2025	Suspend Delete

Suspend User

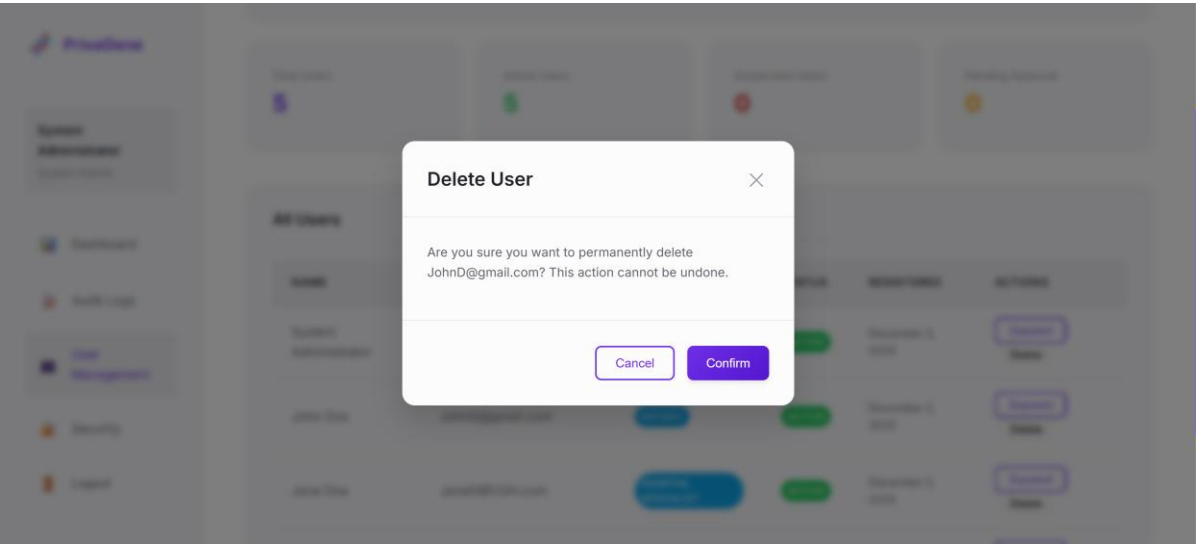
Are you sure you want to suspend sysadmin@privagene.com? They will not be able to access the platform.

Cancel Confirm

System admin user unsuspend user



System admin user delete user



System admin Organisations

PrivaGene

System Administrator
sysadmin@privagene.com

Dashboard

Audit Logs

User Management

Organizations

Platform Analytics

System Settings

Security

Manage Organizations

Approve and manage hospital and research organization registrations

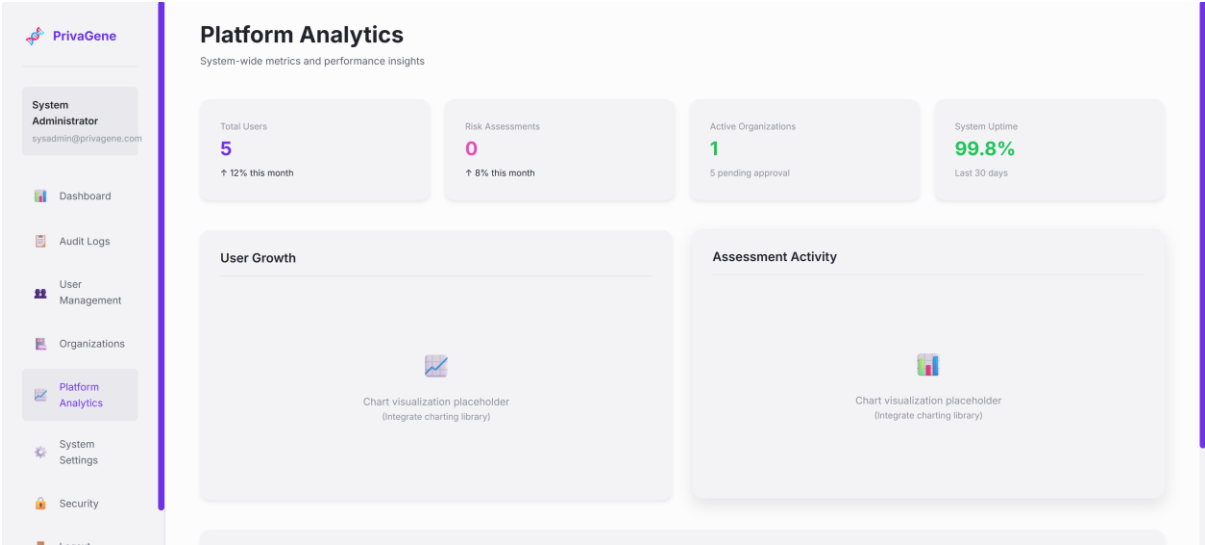
Pending Organization Registrations

No pending registrations

Active Organizations

Organization	Type	Admin	Users	Joined	Status
Unknown	Medical	JaneD@CGH.com	1	December 2, 2025	ACTIVE
Changl General Hospital	Hospital	JannetD@CGH.com	1	December 2, 2025	ACTIVE

System admin Platform analytics



System admin System Setting

System Settings

Configure platform-wide settings and preferences

General Settings

Platform Name

PrivaGene

Support Email

support@privagene.com

Max File Upload Size (MB)

50

Save Changes

Security Policies

- ☒ Require email verification

Users must verify email before accessing the platform
- ☐ Enable 2FA for all users

Require two-factor authentication for enhanced security
- ☒ Auto-suspend inactive accounts

Suspend accounts inactive for 90+ days

Data Retention

Audit Log Retention (days)

365

How long to keep audit logs before archival

Assessment Data Retention (days)

730

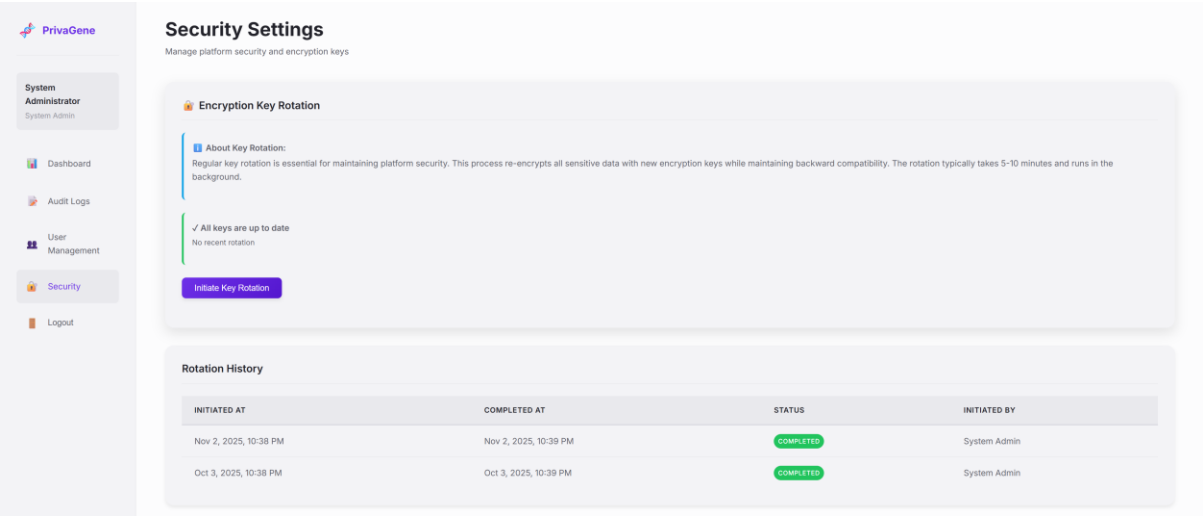
How long to keep risk assessment data

Save Changes

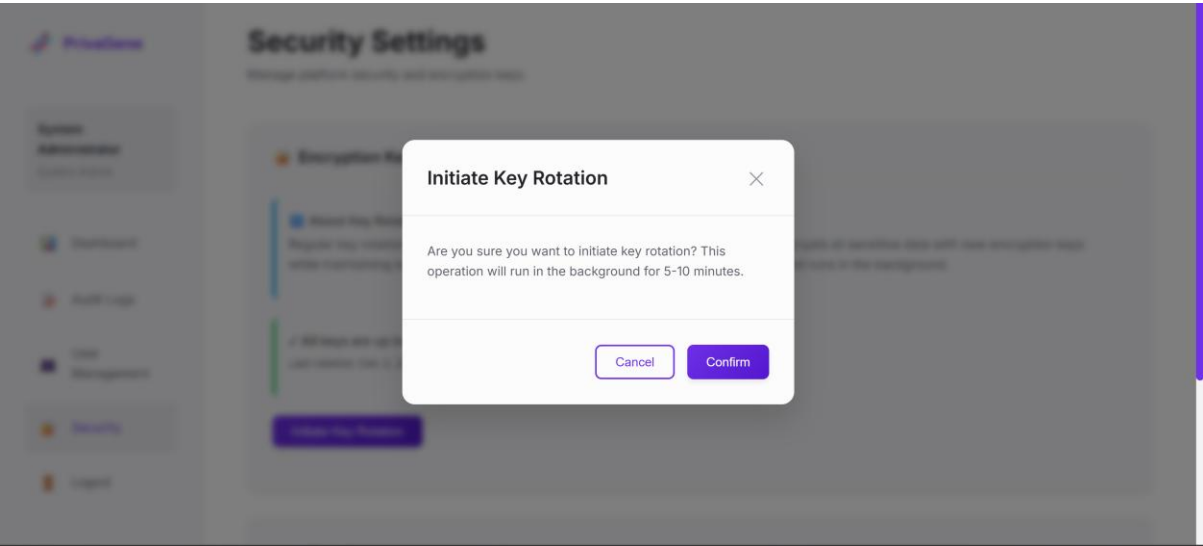
System Status

Database Status	HEALTHY
API Server	RUNNING
Storage Used	2.4 GB / 100 GB (2.4%)
Last Backup	2 hours ago

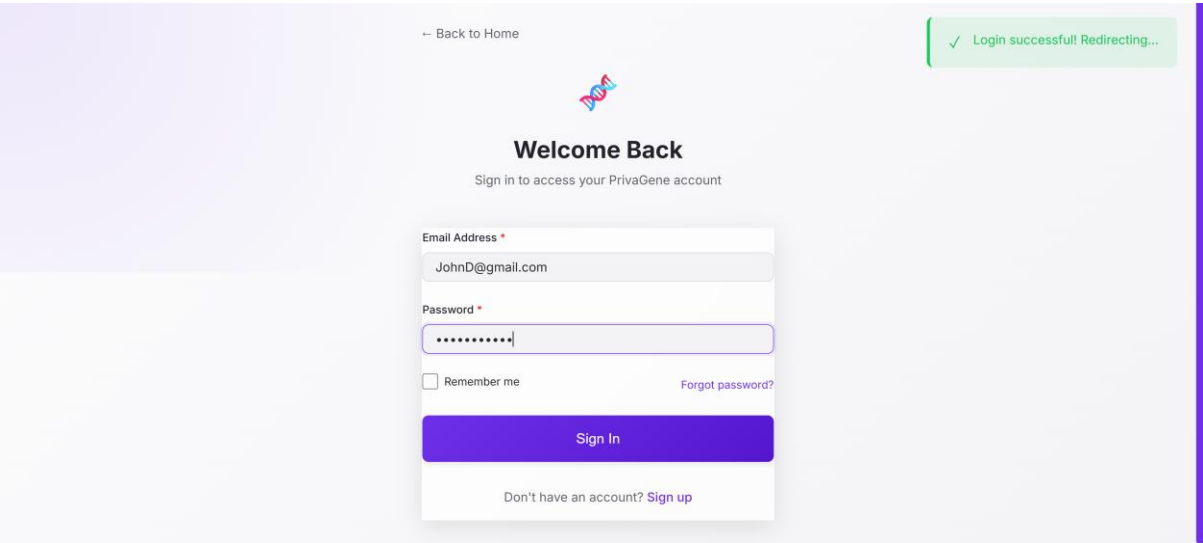
System admin Security



System admin initiate key rotation



ALL Successful operations come with generic message at top right



ALL unsuccessful operations come with generic message at top right

The screenshot displays a web interface for PrivaGene. At the top left, there is a link "← Back to Home". In the top right corner, a red notification box contains the text "Invalid password" with a close icon. The main heading is "Welcome Back" with a DNA helix icon above it. Below the heading, it says "Sign in to access your PrivaGene account". The sign-in form includes an "Email Address *" field with the value "JohnD@gmail.com", a "Password *" field with masked characters "*****", and a red error message "Invalid credentials" below it. There is a "Remember me" checkbox and a "Forgot password?" link. A purple "Sign In" button is at the bottom of the form. At the very bottom, it says "Don't have an account? [Sign up](#)".