



QP-Insights® Pseudonymization

Quibim places utmost importance on the security and privacy of customer and patient data, ensuring that it is always available to only those with an authorized need and protected from unauthorized access and modification. We employ industry-standard security measures to safeguard data from online and physical threats.

The QP-Insights® platform, a Quibim proprietary web-based cloud platform hosted on Microsoft Azure, adheres to the most stringent international security and privacy standards and complies with applicable data protection regulations, such as ISO/IEC 27001:2022,

the General Data Protection Regulation (GDPR) and the Healthcare Insurance Portability and Accountability Act (HIPAA).

Quibim's commitment to security and privacy is underlined by its Quality Management System (QMS), certified under ISO 13485, and its Information Security Management System (ISMS), certified under ISO 27001.



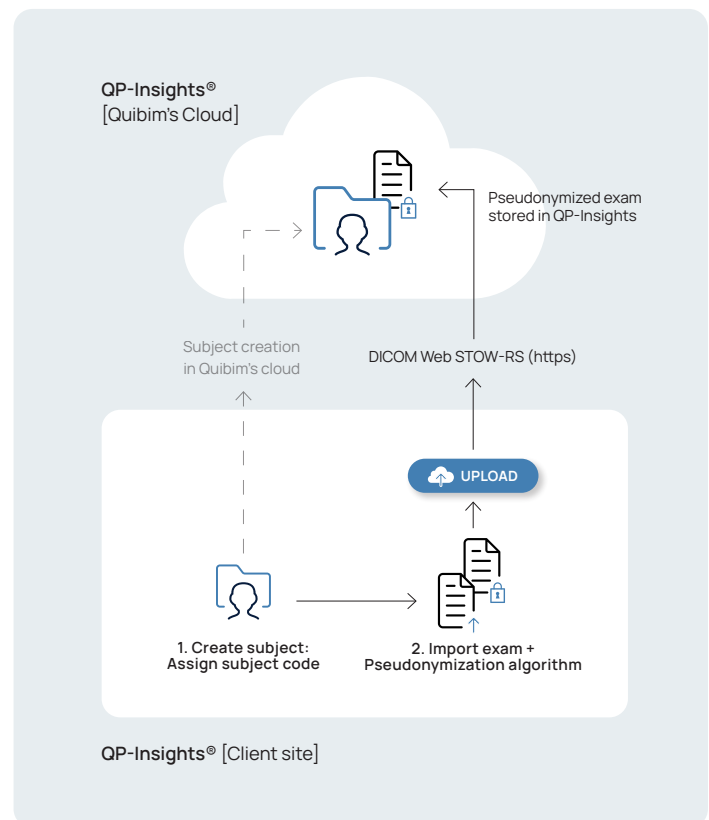
1. Processing of DICOM files

QP-Insights® executes a pseudonymization algorithm during the image upload process, ensuring that all data is pseudonymized before reaching its servers. In this pseudonymization process, the information contained in the image metadata (subject to the DICOM standard and identified in Section 3 below) that includes **personal data**, understood as any information relating to an identified or identifiable natural person, **is removed**.

This essential task of removing personal data is performed directly on the client side before data is uploaded to QP-Insights® and, therefore, before reaching Quibim's environment. This process is designed to prevent any potential re-identification of patients in the event of a data breach.

As a result, **no identifiable patient information is transmitted to Quibim's cloud**, which operates on Microsoft Azure. This ensures that personal data resides in the same country where the customer operates, always complying with the most restrictive data protection regulations (such as GDPR) and avoiding international transfers to other jurisdictions.

During the image upload process to QP-Insights®, and before the pseudonymization algorithm is executed, the client's user directly introduces the code assigned to the subject in the applicable research project. This code is then applied to the PatientID DICOM tag of the images uploaded for that subject.



QP-Insights® pseudonymization process.

2. DICOM attributes modified during the pseudonymization process

The table below shows the list of the DICOM attributes modified during the pseudonymization process, in accordance with the DICOM standard, and the action applied to them:

DICOM TAG	NAME	ACTION
(0020,0010)	Study ID	Pseudonymized
(0010,0020)	Patient ID	Pseudonymized
(0010,0030)	Patient's Birth Date	Truncated: First day of the birth year
(0008,0090)	Referring Physician's Name	"Blank"
(0008,009C)	Consulting Physician's Name	"Blank"
(0008,1048)	Physician(s) of Record	"Blank"
(0008,1050)	Performing Physician's Name	"Blank"
(0008,1060)	Name of Physician(s) Reading Study	"Blank"
(0008,1070)	Operators' Name	"Blank"
(0010,0010)	Patient's Name	Pseudonymized
(0010,1001)	Other Patient Names	"Blank"
(0010,1005)	Patient's Birth Name	"Blank"
(0010,1060)	Patient's Mother's Birth Name	"Blank"
(0010,2297)	Responsible Person	"Blank"
(0014,0104)	Secondary Reviewer Name	"Blank"
(0014,2006)	Evaluator Name	"Blank"
(0032,1032)	Requesting Physician	"Blank"
(0040,0006)	Scheduled Performing Physician's Name	"Blank"
(0040,1010)	Names of Intended Recipients of Results	"Blank"
(0040,2008)	Order Entered BY	"Blank"
(0040,4037)	Human Performer's Name	"Blank"
(0040,A067)	Document Author (Trial)	"Blank"
(0040,A075)	Verifying Observer Name	"Blank"
(0040,A123)	Person Name	"Blank"
(0040,A307)	Current Observer (Trial)	"Blank"
(0040,A352)	Verbal Source (Trial)	"Blank"
(0070,0084)	Content Creator's Name	"Blank"
(0072,006A)	Selector PN Value	"Blank"
(3006,00A6)	ROI Interpreter	"Blank"
(300E,0008)	Reviewer Name	"Blank"
(4008,0102)	Interpretation Recorder	"Blank"
(4008,010A)	Interpretation Transcriber	"Blank"
(4008,010C)	Interpretation Author	"Blank"
(4008,0114)	Physician Approving Interpretation	"Blank"
(4008,0119)	Distribution Name	"Blank"
(0010,0021)	Issuer of Patient ID	"Blank"
(0010,1002)	Other Patient I Ds Sequence	"Blank"
(0008,0081)	Institution Address	"Blank"
(0008,0082)	Institution Code Sequence	"Blank"
(0008,0092)	Referring Physician's Address	"Blank"

DICOM TAG	NAME	ACTION
(0008,0094)	Referring Physician's Telephone Numbers	"Blank"
(0008,0096)	Referring Physician Identification Sequence	"Blank"
(0010,1040)	Patient's Address	"Blank"
(0040,1011)	Intended Recipients of Results Identification Sequence	"Blank"
(0040,1012)	Reason for Performed Procedure Code Sequence	"Blank"
(0040,1060)	Requested Procedure Description (Trial)	"Blank"
(0040,1101)	Person Identification Code Sequence	"Blank"
(0040,1102)	Person's Address	"Blank"
(0040,1103)	Person's Telephone Numbers	"Blank"
(0040,2009)	Order Enterer's Location	"Blank"
(0008,1049)	Physician(s) of Record Identification Sequence	"Blank"
(0008,1052)	Performing Physician Identification Sequence	"Blank"
(0008,1062)	Physician(s) Reading Study Identification Sequence	"Blank"
(0008,1072)	Operator Identification Sequence	"Blank"
(0008,0014)	Instance Creator UID	"Blank"
(0008,0080)	Institution Name	"Blank"
(0008,1010)	Station Name	"Blank"
(0008,1040)	Institutional Department Name	"Blank"
(0008,1080)	Admitting Diagnoses Description	"Blank"
(0008,1155)	Referenced SOP Instance UID	"Blank"
(0008,2111)	Derivation Description	"Blank"
(0010,0032)	Patient's Birth Time	"Blank"
(0010,1000)	Other Patient IDs	"Blank"
(0010,1090)	Medical Record Locator	"Blank"
(0010,2160)	Ethnic Group	"Blank"
(0010,2180)	Occupation	"Blank"
(0010,21B0)	Additional Patient History	"Blank"
(0010,4000)	Patient Comments	"Blank"
(0018,1000)	Device Serial Number	"Blank"
(0018,1030)	Protocol Name	"Blank"
(0020,0052)	Frame of Reference UID	"Blank"
(0020,0200)	Synchronization Frame of Reference UID	"Blank"
(0020,4000)	Image Comments	"Blank"
(0040,0275)	Request Attributes Sequence	"Blank"
(0040,A124)	UID	"Blank"
(0040,A730)	Content Sequence	"Blank"
(0088,0140)	Storage Media File-set UID	"Blank"
(3006,0024)	Referenced Frame of Reference UID	"Blank"
(3006,00C2)	Related Frame of Reference UID	"Blank"