Technical Agency
for Information
on Hospital Care

1. CODING

2. COLLECTING

3. ANALYZING

4. RESTITUTING

5. DISSEMINATING

Coding, Collecting, Analyzing, Restituting and Disseminating hospital information

AGENCY'S PRESENTATION

Founded in 2000, the Technical Agency for Information on Hospital Care (ATIH), is a public administrative institution overseen by the Minister for Health and Social Security.

The headquarters of the Agency are located in Lyon with a branch based in Paris.

The strategic guidelines of the Agency are dictated by the Management Board, a Steering Committee and a Scientific Council.

The head of the Administrative Board is appointed by the Ministers for health, Social Affairs and Social Security.

AGENCY'S MISSIONS

ATIH is endowed with a highly skilled team in charge of:

– the collection, hosting and data analysis from various health facilities:

activity, costs, organization and quality care, finances, human resources…

– technical management of institutions funding mechanisms:

calculation of hospital annual rate, allocation of resources…

– conducting costs studies on health and medico-social institutions:

annual publication of hospital costs...

– the development and maintenance of health nomenclatures:

international classification of diseases (Classification internationale des maladies - CIM), common nomenclature of medical acts (Classification commune des actes médicaux - CCAM), specific catalog of acts of re-education and rehabilitation (Catalogue spécifique des actes de rééducation et de réadaptation - CSARR)…

The Agency intervenes in all four areas of hospital activity in the health sector:

- medicine, surgery, obstetrics and dentistry (Médecine, chirurgie, obstétrique et odontologie - MCO),
- home care (hospitalisation à domicile - HAD),
- Post-acute care and rehabilitation (Soins de suite et de réadaptation - SSR)
– psychiatry

and medical social sector.

IMPORTANT DATES

2004

The launching of pricing-based activity (T2A) in medicine, surgery, and obstetrics
funding mechanism of French Health Institutions based on both the type and the volume of their activity.

2000

2000 saw the creation of ATIH born from the merger of three structures

- Centre of expertise and national health nomenclature reference (Pôle d'expertise et de référence nationale des nomenclatures de santé - Pernns) in charge of maintaining health nomenclatures and the implementation of medico-economic classification in MCO.

- PMSI Information Processing Centre (Centre de traitement des informations du PMSI - CTIP) in charge of national data processing program for medicalization information systems (programme de médicalisation des systèmes d'information - PMSI) and the dissemination of software pertaining to collecting and compiling the data.

- Public Health Ministry PMSI mission

ATIH manages the medico-economic classifications, the collection of PMSI data, cost studies and the restitution of information. The Agency participates in the implementation of health nomenclatures.

2007

The signing of the contract of objectives and resources of ATIH
New missions : Technical management of health institutions funding arrangements, health economics and financial analysis of the institutions activity.

2011

The signing of the contract of objectives and performance of ATIH
New missions: expanding the collection and data restitution of all the institutions, including the performance, quality and safety of care. The opening of national costs study in the medico-social sector.

2014

The signing of the contract of objectives and performance of ATIH
Strengthening the expertise of the agency in its tasks of collecting, processing and data restitution, as well as the technical tool of funding mechanism of health institutions and the medico-social sector.

THE AGENCY'S TEAMS

Composed of 120 staff members divided up into 7 different departments

Management
- External Communication
- ARS Mission
- Restitution mission of hospital data (ScanSanté)

General Secretariat
- Quality
- Legal and market affairs
- Budget, Accounting, Management
- Human Resources Management and Internal Communication
- Secretariat

Computer architecture and production
- Web information system
- Collection systems of medical information
- Software of health institutions
- System and Network

Classifications, medical information and funding models
- MCO / HAD
- SSR / Psychiatry
– Health nomenclature
- Medical Statistics

Funding and economic analysis
- Allocation of resources to health institutions
- Monitoring the National Objective for Hospital-Related Health Care Spending (Objectifs nationaux de dépenses d'assurance maladie - Ondam).
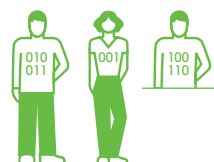- Data analysis and performance indicators

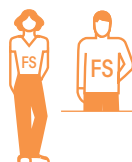**National cost studies**

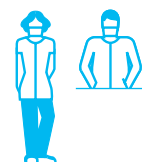**Responses to external inquiries**

34%
statisticians

25%
computer scientists

21%
support functions

13%
general practitioners

7%
financial auditors and financial analysts

DESCRIBING THE AGENCY'S ACTIVITY

1. CODING HOSPITAL INFORMATION

When a doctor performs a medical procedure at hospital, a code is used to identify:

- the patient's illness
- the medical procedure needed for the treatment: diagnosis (Example: scanner) and therapy (Example: surgery).

Catalogs, called nomenclatures, list each disorder and each medical procedure by codes and labels.

Example:
Disease: appendicitis
Wording: acute appendicitis
Code: K35.8

Medical treatment: procedure to remove the appendix
Wording: Laparoscopic appendectomy
Code: HHFA016

For the coding of diseases, the nomenclature is the international classification of diseases (Classification internationale des maladies - CIM), developed by the World Health Organization (Organization mondiale de la santé - WHO).

–> ATIH has taken part in the Management of this classification and has adapted it to the French health system.

Example: in 2011, the creation of additional codes to help identify the treatment of non-insulin dependent diabetes
Label: diabetes mellitus non-insulindependant insulintreated without any complication
Code: E11.90

For the coding of medical procedures, the nomenclature is the common classification of medical acts (Classification commune des actes médicaux - CCAM), created in 2002 by the French Public Health Insurance and ATIH.

–> ATIH updates, in collaboration with the French Public Health Insurance and healthcare professionals, the wordings of the acts of CCAM, by adding or removing the wording.
The Agency offers codes, wordings, and ensures compliance with the rules pertaining to the building of nomenclature.

Example: in 2011, introduction to kidney removal by laparoscopy
Wording: complete nephrectomy extended to the renal lodge, by laparoscopy
Code: JAFC019

2. COLLECTING HOSPITAL INFORMATION

Program for medicalization of information systems (PMSI) *

Each hospitalization stay results in the creation of a collection of information which enumerates both the administrative and medical data extracted from the patient's medical record. These records contain overviews of health problems when it comes to care and medical procedures performed to diagnose and treat them.

The medical information department is the dedicated body at the hospital, which manages the collection of such data prior to transmitting them to ATIH.

–> The Agency defines the kind of information to be collected, stored as codes by the regulatory health nomenclatures.

–> The Agency constructs a classification scheme which groups together patient's stays based on consistent categories from a medico-economic standpoint and based on the coding of diagnoses and procedures.

This classification is based on the nature of health issues, medical procedures, socio-demographic factors and the associated cost.

Example: the diagnosis related group (la classification des Groupes homogènes de malades - GHM) in MCO.

–> For each field, the Agency has developed the grouping function software.

Example: For MCO, the grouping function assigns each summary to a homogeneous group of patients (Groupes homogenes de malades - GHM) and a hospital stay-related group pricing (Groupe homogène de séjours – GHS, tariff concept).

–> The Agency designs and disseminates all the information technology tools necessary for the anonymization, processing and transmission of information from health institutions.

–> The anonymized medical summaries are forwarded to the Regional Health Agency (Agence régionale de santé - ARS) for validation and are then processed to produce:
- a funding decree (for both public and private non-profit institutions).
- charts of analysis of activity sent to institutions.

–> Last, these data are aggregated by ATIH and constitute the national database bringing together all the information concerning the institutions.

Other data collected by ATIH

Funds allocated to the institutions, financial and accounting data, human resources, hospital cost, quality of care, investment...

–> As for the PMSI data, the Agency provides to the institutions software with a view to collecting this information and centralizes them on relevant platforms.

*The PMSI describes in a synthetic and a standardized manner the medical activity of health institutions with the aim of:
- planning and organizing hospital care in France
- financing the institutions based on their activity.

3. ANALYZING HOSPITAL INFORMATION

–> ATIH provides general and quantitative benchmarks of health institutions

- Analysis of hospital activity: providing a clear description of hospitalization and analyzing its evolution over time.

- Financial analysis of health institutions: assessing their financial situation

- Costs of hospital activity: identifying the cost of a hospitalization stay and the components of that cost.

–> ATIH conducts analysis with a particular aim

- Detailed analysis on certain topics
Examples: resuscitation, palliative care...

- Simulation work in accordance with public policies
Examples: implementation of targeted funding (outpatient surgery), reform the management of co-payments...

4. RESTITUTING HOSPITAL INFORMATION

Data processed by ATIH are accessible via the ScanSanté data restitution platform.

–> The online ScanSanté platform makes it possible to make queries in order to obtain formatted results.

Open access:
- summary of medical statistical data as well as the mapping of health institutions activity.

Accessible to health system participants with their login information:
- apps related to the performance of institutions, control expenditures and activity analysis.

Examples of online data via ScanSanté:
- activities of health institutions (PMSI)
Number of patients treated for a given condition; number of hospitalizations per specialty, age group…
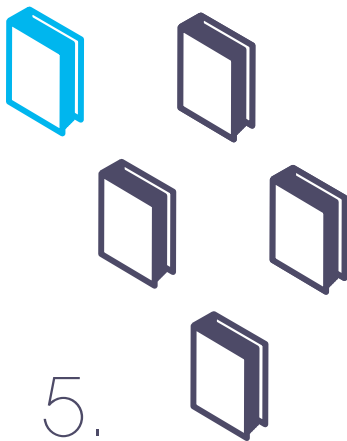**- costs**
Cost of hospital care…
- financial, accounting and human resources
Assessing an institution's financial situation...
- monitoring health insurance spending for hospital care
- quality
Nosocomial infection risk indicators in an institution.

5. DISSEMINATING HOSPITAL INFORMATION

Objectives:

- having a better understanding of health institutions activity and the nature of pathologies treated
- enriching the organizational work of hospital care
- initiating and respecting national health policy measures.

–> **ATIH disseminates comprehensive PMSI data set to any holder of an agreement of National Commission for Data Protection and Liberties (Commission nationale de l'informatique et des libertés - CNIL). The data set is to be issued depending on the intended use.**

–> **ATIH performs targeted treatments at the request of the services of the Ministry, national supervision and national agencies in the health sector.**

Examples: study of small maternity units, study the treatment of patients with Parkinson's disease, comparison of stays between regions for certain disorders, analysis of absenteeism rates in hospitals.

PUBLIC

– State Services: General Directorate of Health Care Provider (Direction générale de l'offre de soins - DGOS), Social Security Directorate (Direction de la sécurité sociale - DSS), General Directorate of Social Cohesion (Direction générale de la cohésion sociale - DGCS), General Directorate of Research, Studies, Evaluation and Statistics (Direction de la recherche, des études, de l'évaluation et des statistiques - Drees), General Directorate of Public Finances (Direction générale des finances publiques - Dgfip) General Inspectorate of Social Affairs (Inspection générale des affaires sociales - IGAS), General Secretariat of the Ministries for Social Affairs...

- **Public Supervisory Bodies**

- **Public Health Insurance**

- **Regional Health Agencies (Agences régionales de santé - ARS)**

- **Hospital Federations**

- **Health Institutions**

- **National Organizations:** French Biomedicine Agency (Agence de la biomédecine - ABM), National Agency for Performance Support (Agence nationale d'appui à la performance des établissements de santé - ANAP), National Solidarity Fund for Autonomy (Caisse nationale de solidarité pour l'autonomie - CNSA) National Authority for Health (Haute autorité de santé - HAS)…

-**Teachers, Researchers**

-**Companies:**
Study and consulting firms, the media...

ATIH PUBLICATIONS

Hospital activity

- National analysis of hospital activity and comparison based on region.
- Key data on hospitalization

Financial situation

- Analysis of the reliability of forecast of institutions financial situation
- Analysis of accounting reprocessing
- Analysis of expenditures of hospital information systems

Costs and tariffs

- Costs of care of health institutions in MCO
- Costs of care in accommodation facilities for dependent elderly (nursing homes)

Human resources

- Social balance sheet data analysis

To find more information please visit ATIH @ www.atih.sante.fr