

# AUTONOMOUS MEDICAL CODING

Improve coding accuracy | Accelerate denial handling | Cut down operational costs  
 Reduce A/R time | Assure continuous compliance | Maximize Audit Readiness

Nym automatically identifies and captures every clinical aspect of a chart, understands what is relevant as well as what is the most accurate code to use. Nym assigns codes only for charts it fully understands – unhandled charts are returned for human coding.

Nym has innovated a new form of Natural Language Understanding perfectly suited for clinical coding. Clinical Language Understanding (CLU) is the exciting technology that enables fully automated coding with zero human intervention.

CLU uses computational linguistics that enables it to successfully code charts. It provides the codes and a clear audit-trail that explains the rationale behind the coding or flags the chart for a coding specialist.

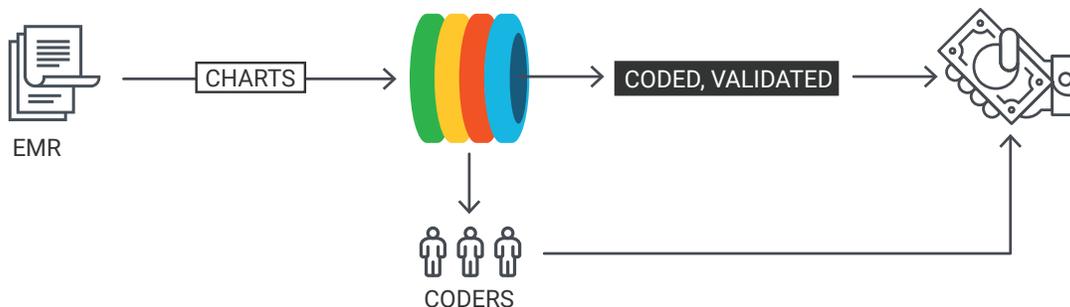
Nym is the only fully autonomous auto-coding technology that can back up its decisions, thus providing maximum audit-readiness, minimizing denials and accelerating denial handling.

Nym is highly accurate, very fast, secured and scalable.

## Benefits

- ✓ **Improve Coding Accuracy**  
with autonomous coding AI technology
- ✓ **Accelerate Denial Handling**  
by providing a clear audit-trail for each claim
- ✓ **Cut Down Operational Costs**  
by having Nym take up to 40% of the workload off human coders
- ✓ **Reduce A/R Time**  
by eliminating human coding turn around time and reducing denial related delays
- ✓ **Assure Continuous Compliance**  
with automatic updates of coding standards and guidelines
- ✓ **Maximize Audit-Readiness**  
with Audit trail and analytics
- ✓ **Seamless Integration**  
using standard interfaces with EMR, PM and Billing systems
- ✓ **Highly Secured**  
ensuring the integrity, confidentiality, and security of medical data

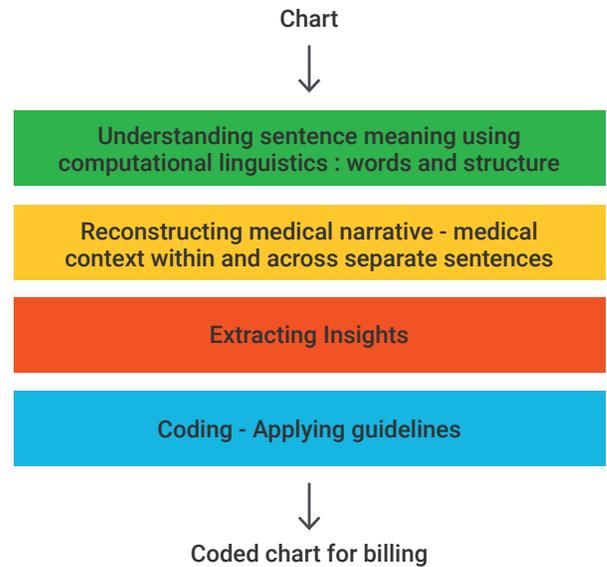
## Architecture



Nym is autonomous and transparent. It layers on top of the existing enterprise IT stack and integrates into the normal flow of revenue cycle management without change or interruption. It fully integrates with EMR or PM and billing systems, supporting HL7, FHIR, XML, EDI and free text.

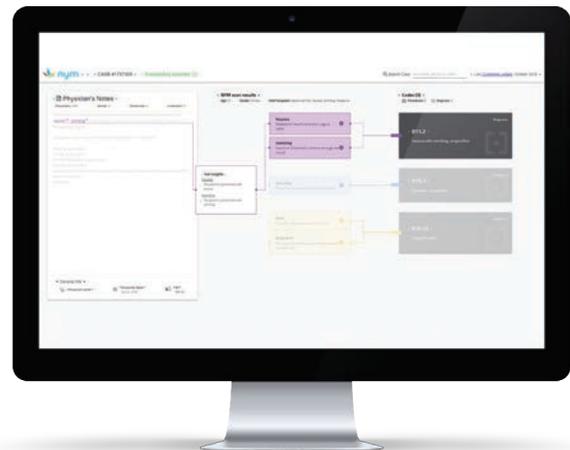
# CLU - the technology behind autonomous coding

Nym has innovated a new form of Natural Language Understanding perfectly suited for clinical coding. Clinical Language Understanding (CLU) is the exciting technology that enables fully automated coding with zero human intervention. At its core, Clinical Language understanding (CLU) is a combination of medical knowledge and computational linguistics applied to clinical language. It enables computers to understand the logical relations between various linguistic elements in the chart and build a model, describing the narrative of the physician reports. Because CLU is based on fully deterministic computational linguistics and each step in the process is documented, the system easily generates audit-ready, traceable codes for full visibility, explaining the rationale behind the coding or flags the chart for a coding specialist.



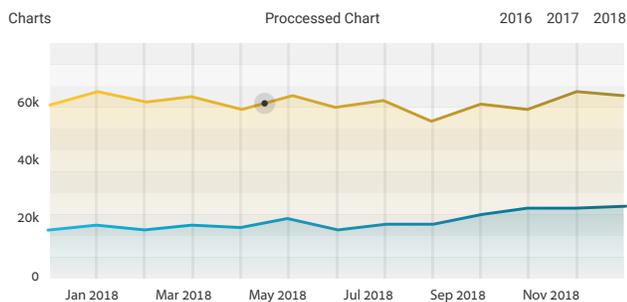
## Auto-Coding audit trail

For charts that have been coded, Nym’s audit-trail view provides a clear explanation of the reasoning behind the decision to assign a specific code. This allows for a quick understanding of the audit trail for validation, compliance and appeals’ basis.



## Analytics

Track, trend and gain data-driven insights to the charts coded by nym. Get better understanding into your auto coding performance.



## Security

While Nym does not receive identifying patient information with the charts it codes, we treat the security of the chart data with the highest standards. Nym’s security-first approach harnesses the best and most updated technologies to make sure that data stays safe and private at every step of the process. Our service undergoes rigorous audits and employs the latest best practices to ensure the integrity of your data as well as confidentiality, security and compliance.



**Confidential**



**Secured**



**HIPAA compliant**