# A NEW *YEAR,* A NEW *IDR*

The Integrated Data Repository (IDR) — CMS' enterprise data warehouse containing Medicare, Medicaid, CHIP, and associated reference data — **is moving to the cloud.**

With that move, you'll have access to new features, better functionality, and more flexibility than ever!

WHY ARE WE MIGRATING?

The IDR on-premises ecosystem in its current state doesn't allow for independent scalability of storage and compute capacity.

It presents significant cost and federal / contractor resource overhead to sustain.
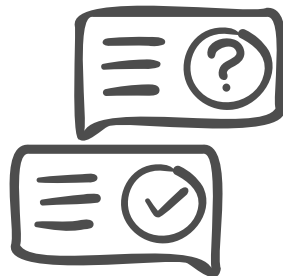
WHAT WILL WE ACHIEVE?

- Serve the growing needs of using the IDR data for various analytic workloads and data sharing at scale.

- Implement an IDR Cloud ecosystem that is cost effective and includes a mature Cloud Data Warehouse with independent storage and compute elasticity capabilities.

- Develop an "all-purpose" IDR Cloud Architecture that leverages leading cloud data lake and warehouse technologies that offer elastic scalability, enhanced system throughput and user experience, and most importantly provide cost savings.

QUERYING MEDICARE & MEDICAID DATA WITH SPEED AND EFFICIENCY

WHAT SHOULD YOU EXPECT?

During the migration, IDR Teradata and IDR Cloud Snowflake are running in parallel. This means that you can run queries on historical data in either environment with the same results.

The migration deadline is November 17, 2023. Start planning your team's move now by contacting the **IDRC Migration Support Team**.

CHECK OUT THESE STATISTICS & BENEFITS

4000+ USERS

75+ ETL DATA STREAMS

20+ APPLICATION TEAMS

800+ TB HISTORICAL DATA

100+ PROJECT TEAMS

2000+ VIEWS & 6000 TABLES

EASILY INCREASE STORAGE CAPACITY

As the amount of IDR data increases, the need for storage grows. Moving from an on-premise environment to a cloud-based, scalable architecture means we can increase storage capacity almost instantaneously.

ELASTICITY & DECOUPLING

We can now easily scale up and scale out compute capacity without affecting storage (and vice versa).

HANDS-OFF INFRASTRUCTURE

The cloud infrastructure provisioning and management are nimble and seamless, unlike the amount of manpower and extensive planning that go into an on-prem infrastructure.

FLEXIBLE ECOSYSTEM

Onboarding new data analytics tools is easy because of how the IDR Cloud ecosystem is architected.

REMAINING 2023 MIGRATION MILESTONES

JAN
Access to Snowflake opened to all users

APR - OCT
No new Teradata projects; Complete your migration

NOV 17
All users fully operational in Snowflake; **No access to Teradata**

NOV 18 - DEC
Teradata hardware decommissioned

NEW CAPABILITIES NOW POSSIBLE!

1 SNOWFLAKE DATA SHARES

Snowflake enables data contributors and consumers to securely exchange data using secure logical data shares. The IDR Cloud leverages this feature to share data with business partners who have Snowflake accounts, eliminating the need to physically extract or duplicate data. A secure data share with the Enterprise Data Lake (EDL) Snowflake account is underway.

2 GREATER BYOC FLEXIBILITY

The IDR Cloud provides you with much greater flexibility for bringing your own compute/tools such as Amazon WorkSpaces, Amazon QuickSight, EC2/EMR, etc. It natively supports machine learning, which customers can use to extend their analytic needs. Tool stacks such as Snowflake/Snowpark and Amazon SageMaker are supported.

3 CLOUD DATA DICTIONARY & CATALOG

The IDR Data Dictionary provides descriptive metadata that helps data consumers understand the content and structure of the IDR data. The IDR Cloud will enhance this offering with the implementation of a new Data Catalog that will provide enriched metadata, end-to-end lineage, and integration with OIT's Enterprise Data Catalog, improving users' experience navigating and interpreting IDR data.

4 DATA-AS-A-SERVICE APIs

The IDR DaaS team has developed APIs (application programming interfaces) you can use to access claim, provider, and beneficiary information stored in the IDR without extracting or replicating the data. We have endpoints targeting National Claims History (NCH) claims data for Medicare Parts A and B. Contact the APIs team at IDRS-API-Support@gdit.com.