AWS
re:Invent

HEALTHCARE ATTENDEE GUIDE 2019
Hello,

On behalf of AWS Healthcare Team, welcome to re:Invent 2019! This year’s conference is going to be our biggest yet, with 60,000+ attendees, more than 2,500 technical sessions, a number of Healthcare industry specific sessions, and a dedicated networking lounge.

To get the most out of re:Invent, we encourage you to take advantage of the resources outlined in this document, including our “How to re:Invent” video series. Keep in mind that reserved seating goes live on October 15. You can start planning your schedule at any time by logging into your account, visiting the session catalog, and marking sessions of interest.

Although re:Invent is a big conference, the strength of the Healthcare community makes it feel much smaller.

We look forward to seeing you in Vegas!

Dr. Shez Partovi
Director, Healthcare & Life Sciences, AWS
Let’s get started.

This guide is designed to help Healthcare attendees plan their re:Invent 2019 experience and identify breakout sessions and events of interest. It is intended to complement the re:Invent app, which will help attendees navigate the conference on-site.

Click on the links in presentation mode to navigate this guide.
Overview
About re:Invent

**What**

AWS re:Invent is a learning conference hosted by Amazon Web Services (AWS) for the global cloud computing community. The event features keynote announcements, training, and certification opportunities. At the conference, you’ll have access to more than 2500 technical sessions, a partner expo, after-hours events, and so much more.

**When**

December 2 – 6, 2019. Onsite registration desk opens on Sunday, December 1, at 9AM.

**Where**

We are taking over Las Vegas— with events at the ARIA, Bellagio, MGM Grand, Mirage, and The Venetian.

**Who**

60,000+ attendees from around the world, including 500+ Healthcare professionals, and the AWS Worldwide Healthcare & Life Sciences team.

**How**

Register [here](#), book your travel and hotel [here](#), check out our justification [letter](#) (if you need one), and watch the How to re:Invent videos [here](#).
What’s new in 2019?

- Deeper technical content and more hands-on learning opportunities.
- A bigger and better Partner Expo, with over 2,500 breakout sessions.
- For the first time, attendees will be able to reserve seats using both the re:Invent registration app and the re:Invent mobile app.
- More unique events: broomball, the Tatonka Challenge, fitness activities, and the re:Play party!

Online resources

- HOMEPAGE
- SESSION CATALOG
- FAQ
- SCHEDULE
- GETTING AROUND
- RESERVED SEATING & MOBILE APP
- OVERVIEW OF RE:INVENT CONTENT
- BOOKING MEETING SPACE
Make a Plan
Design your own experience

We are pleased to announce over 2,500 technical sessions and an industry specific Healthcare Track designed to make your re:Invent experience even better.

We have highlighted the Healthcare industry specific content within the following sections and have provided a guide to finding any session of interest in the event catalog and adding it to your schedule.

How to use the session catalog

1. Visit the event catalog and make sure you are logged in.

2. Scroll down the left-hand navigation bar, find Topic or Industry, and check any topics or industries of interest.

3. Favorite appealing sessions as “I’m interested in this” or click on the arrow at right to pursue different scheduling options.
Hierarchy Of A Plan

Explore the session catalog

**Step One**
Step one, search topics you are interested in and start favoriting sessions you think you might be interested in attending.

**Step Two**
Remember to ensure you have roughly 80% of your favorites be breakout sessions!

**Step Three**
Get crazy! Once you have your core topics explored and sessions favorited, explore by other topics! You never know what you might discover!
Types of Breakout Sessions

Know your sessions types

Sessions

re:Invent breakout sessions are lecture style and 60 minutes long. These sessions will take place throughout the re:Invent campus and cover all topics at all levels (200–400). Sessions are delivered by AWS experts, customers, and partners, and they typically include 10–15 minutes at the end for Q&A.

Workshop

Workshops are two-hour, hands-on sessions where you work in teams to solve problems using AWS. Workshops organize attendees into small groups and provide scenarios to encourage interaction, giving you the opportunity to learn from and teach each other. Each workshop starts with a 10–15-minute lecture by the main speaker, and the rest of the time is spent working as a group. Come prepared with your laptop and willingness to learn! AWS will provide credits.

Builders Session

Builders Sessions are 60-minute small groups sessions with up to five customers and one AWS expert, who is there to help, answer questions, and provide guidance. You will use your laptop to experiment and build with the AWS expert after a short demonstration. There is reserved seating for builders sessions.

Chalk Talks

Chalk talks are a highly interactive content format with a smaller audience. They begin with a 10–15-minute lecture delivered by an AWS expert, followed by a 45–50-minute Q&A session with the audience. The goal is to foster a technical discussion around real-world architecture challenges. Chalk talks are one hour and are presented by AWS experts. They have expert level content.
The Hierarchy Of Making A Plan

Pick your topics

ADM - Advertising and Marketing
AIM - Artificial Intelligence & Machine Learning
ALX - Alexa
ANT - Analytics
API - Application Integration
ARC - Architecture
ARV - AR/VR
AUT - Automotive
BLC - Blockchain
CMP - Compute
CMY - AWS Community
CON - Containers
DAT - Databases
DOP - DevOps

ENT - Enterprise
EUC - End User Computing & Business Apps
FSI - Financial Services
GAM - Games/Game Tech
GPS - Global Partner Summit

HLC - Healthcare
IOT - IoT
LFS - Life Sciences
MDS - Media Solutions
MFG - Manufacturing
MGT - Management Tools & Governance
MKT - Marketplace
MOB - Mobile
NET - Networking

OIG - Oil & Gas
OPN - Open Source
PNU - Power & Utilities
RET - Retail
ROB - Robotics
SEC - Security, Compliance, and Identity
STG - Storage
STP - Startup
SVS - Serverless
TLC - Telecommunications
TRH - Travel & Hospitality
WIN - Windows & .Net
WPS - Public Sector
WPT - We Power Tech

PRO TIP: Think about topics that are currently mission critical to your team and topics you’re interesting in learning more about.
The Hierarchy Of Making A Plan

Know your sessions types

- **BUILDERS SESSION**
- **CHALK TALKS**
- **WORKSHOPS**
- **SESSIONS**

**PRO TIP:**
Breakout sessions should make up the bulk of your plan. They have the most seats too!

**PRO TIP:**
Chalk Talks and Workshops are smaller and can accommodate fewer people per sessions. Builders Sessions are the smallest. These are your bonus sessions!
Hierarchy Of A Plan

More ways to learn

Healthcare & Life Sciences Lounge
Hacks & Jams
Machine Learning Summit
AWS DeepRacer
Paid Bootcamps
Certification Exams
Spotlight Labs
Hands on Labs*
Builders Fair*
Demo Theaters*

*these activities do not require reserved seating
## Hierarchy Of A Plan

### Know your timing

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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<tbody>
<tr>
<td>Breakout Sessions</td>
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<tr>
<td>10:00AM – 6:00PM • ARIA, Bellagio, Mirage, MGM, Venetian</td>
<td>11:30AM – 6:00PM • ARIA, Bellagio, Mirage, MGM, Venetian</td>
<td>8:00AM – 6:00PM • ARIA, Bellagio, Mirage, MGM, Venetian</td>
<td>11:30AM – 6:00PM • ARIA, Bellagio, Mirage, MGM, Venetian</td>
<td>8:00AM – 12:30PM • Mirage, Venetian</td>
</tr>
<tr>
<td>Late Night Sessions, Workshops, Chalk Talks 7:00PM – 9:00PM • ARIA &amp; Venetian</td>
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**PRO TIP:** The maximum number of 60 minute sessions you could attend across the week is 24!
Hierarchy Of A Plan

Know the campus

PRO TIP:
Plan at least an hour to get from one venue to another across campus. This includes walking, waiting.

PRO TIP:
New this year, the session scheduler will not let you book back to back sessions in different venues with only 30 minutes.
Hierarchy Of A Plan

Everything Else

Re:Invent is an industry event and there’s lots to do outside of breakout sessions. Don’t forget to leave room on your calendar for:

• Hang out in the Healthcare & Life Sciences Networking Lounge area to meet and network with other industry attendees

• Meetings with your account team and other AWS experts.

• Daily debriefs with your team. Divide and conquer but don’t forget to find time to reconvene your team and debrief on the daily learnings. Breakfast is a great time for this!

• Time to explore our partner expo, including the AWS Village and hundreds of AWS partners there to help you learn more about how their solution can benefit your business.

• Meetings with your professional network. Let people know you’ll be at re:Invent through LinkedIn and ensure you’re taking advantage of the entire cloud computing industry being in the same city!

• Fun! Don’t forget there are a lot of fun things to do at re:Invent. Check out the Play page to learn more and expect your evenings to fill up on site!
Now Build Your Dream Schedule(s)

If the max number of sessions you can attend in the week is 24 and you think you want to attend 14, you should have a robust list of preferred sessions, and wish list sessions and all of your back ups.

You should have a lot of pre-selected back ups during the time windows you are trying to fill. That will enable you to quickly pivot should the session you wanted to get into fills up. By favoriting them, you can check back post-re:Invent for the slides if you don’t get to see it live.

Check for repeats! Repeats are a critical component to how we build our session catalog each year and we strive to offer repeats on our most popular sessions. If you have a session you are really committed to attending, make sure you favorite all of the scheduled repeats so that you can mix and match to get in.
Healthcare Industry Session Recommendations
# Healthcare Track

## Overview

### Breakouts and Builders

<table>
<thead>
<tr>
<th>Session Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>HLC201-L</td>
<td>Healthcare Leadership: Data-driven care for individuals &amp; populations</td>
</tr>
<tr>
<td>HLC308</td>
<td>Breakout: Healthcare data interoperability on AWS</td>
</tr>
<tr>
<td>HLC307</td>
<td>Breakout: Creating a personalized digital front door for Healthcare patients</td>
</tr>
<tr>
<td>GPSTEC341</td>
<td>Breakout: Insights into patient health with Amazon Comprehend Medical</td>
</tr>
<tr>
<td>ENT319-R1</td>
<td>Breakout: Migration to AWS: A foundation for enterprise transformation (Featuring Optum)</td>
</tr>
<tr>
<td>HLC301-R</td>
<td>Builder: Healthcare call center automation with Amazon Connect</td>
</tr>
<tr>
<td>HLC302-R</td>
<td>Builder: VMware on AWS for Healthcare</td>
</tr>
<tr>
<td>LFS303-R</td>
<td>Builder: Enterprise data lakes in Healthcare and Life Sciences</td>
</tr>
</tbody>
</table>

### Workshops and Chalk Talks

<table>
<thead>
<tr>
<th>Session Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>HLC401</td>
<td>Workshop: Healthcare data interoperability: HL7 and FHIR</td>
</tr>
<tr>
<td>HLC304</td>
<td>Chalk Talk: Population health and patient outcome prediction with Healthcare and Life Sciences data</td>
</tr>
<tr>
<td>HLC305</td>
<td>Chalk Talk: How to run clinical applications on AWS</td>
</tr>
<tr>
<td>HLC306</td>
<td>Chalk Talk: Alexa healthcare skills</td>
</tr>
<tr>
<td>LFS401</td>
<td>Workshop: Cluster adverse events with Amazon Comprehend Medical &amp; Amazon SageMaker</td>
</tr>
<tr>
<td>HLC309</td>
<td>Chalk Talk: How to adopt HITRUST CSF on AWS</td>
</tr>
</tbody>
</table>
HCL201-Leadership

**FEATURING**
Melbourne Genomics Health Alliance

**Healthcare Leadership: Data-driven care for individuals & populations**

Learn how the healthcare is world leveraging AWS for key clinical and operational systems. From FHIR-enabled interoperability standards to patient and member activation, providers and payers are reinventing the customer experience to reduce costs while improving the quality of care.

**LINK TO SESSION | BREAKOUT SESSION**

**FEATURED SPEAKER:** Kate Birch, Data & Technology Program Manager, Melbourne Genomics Health Alliance

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HCL308

**FEATURING**
Change Healthcare

**Healthcare Data Interoperability on AWS**

Learn how healthcare organizations are enabling the exchange of healthcare data through interoperability frameworks like Fast Healthcare Interoperability Resources (FHIR). This session shares how AWS customers and partners are transforming the industry by using services like Amazon Aurora to run Fhirbase in order to store and transmit healthcare data.

**LINK TO SESSION | BREAKOUT SESSION**

**FEATURED SPEAKER:** Arien Malac, SVP of R&D at Change Healthcare

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HCL307

**FEATURING**
NHS Digital

**Creating a personalized digital front door for Healthcare patients**

Learn how healthcare organizations are developing new strategies to redesign their patient experiences and build personalized relationships to improve patient satisfaction and support outcome-based care. Learn how organizations are leveraging tools like Amazon Personalize and Amazon Pinpoint to create a digital front door to educate, engage, and empower the patients they serve.

**LINK TO SESSION | BREAKOUT SESSION**

**FEATURED SPEAKER:** Chris Suter, Head of Platforms and Innovation, NHS and Ed Hiley-Principle Systems Engineer, NHS Digital
HCL301

Healthcare call center automation with Amazon Connect

Learn how to get started building an automated Healthcare call center solution using Amazon Connect. Ask questions to a senior solutions architect who is working in the healthcare industry.

FEATURED SPEAKER: Craig Warburton, Solutions Architect, AWS

HCL302

VMware on AWS for Healthcare

Learn how to get started with the VMware on AWS solution for your healthcare organization. Ask questions to a senior solutions architect who is working in the Healthcare industry.

FEATURED SPEAKER: Sanford Coker, Solutions Architect, AWS

LFS303

Enterprise data lakes in healthcare and life sciences

Learn how to leverage AWS Lake Formation to build a modern data lake for life sciences. Find out how to address common challenges, such as authentication, authorization, encryption, and compliance.

FEATURED SPEAKERS: Qi Wang, Solutions Architect, AWS
<table>
<thead>
<tr>
<th>Session</th>
<th>FEATURING</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCL304</td>
<td>AWS Solutions Architect</td>
<td>Population health and patient outcome prediction with Healthcare and Life Sciences data. Learn how customers are using AWS services and platforms for secure data exchange and to support interoperability of data through efforts like Observational Health Data Sciences and Informatics (OHDSI).</td>
</tr>
<tr>
<td>HCL305</td>
<td>AWS Solutions Architect</td>
<td>How to run clinical applications on AWS. Healthcare providers are shifting clinical systems onto AWS to improve security, reduce costs, and take a more digitally enhanced strategy to innovate for their patients. Learn how clinical systems, such as electronic health records, are being run in the AWS Cloud.</td>
</tr>
<tr>
<td>HCL306</td>
<td>AWS Solution Architects</td>
<td>Amazon Alexa Healthcare Skills. Learn how the Alexa Skills Kit allows healthcare providers, payers, pharmaceutical manufacturers, and digital health developers who are covered entities (CEs) or business associates (BAs) to build Alexa skills that transmit and receive protected health information.</td>
</tr>
</tbody>
</table>

**Featured Speaker**: James Wiggins, Solutions Architect Manager, AWS

**Featured Speaker**: Navneet Srivastava, Solutions Architect, AWS

**Featured Speaker**: Vikram Anand, Solutions Architect, AWS and Missy Krasner, Head of Partnerships, Alexa Health
<table>
<thead>
<tr>
<th>Session ID</th>
<th>Featuring</th>
<th>Breakout Details</th>
</tr>
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</table>
| GPSTEC431   | FEATURING AWS Solutions Architect | **Insights into patient health with Amazon Comprehend Medical**  
Capturing a holistic view of patient data is often a difficult, manual, and error-prone process. Learn how Amazon’s Comprehend Medical is helping simplify the task of building patient centric solutions.  
*Targeted towards current and potential AWS Partners.* |
| ENT319      | FEATURING Optum                | **Migration to AWS: A foundation for enterprise transformation**  
Learn how healthcare organizations are enabling the exchange of healthcare data through interoperability frameworks like Fast Healthcare Interoperability Resources (FHIR). This session shares how AWS customers and partners are transforming the industry by using services like Amazon Aurora to run Fhirbase in order to store and transmit healthcare data. |
| HCL401      | FEATURING AWS Solution Architects | **Healthcare data interoperability: HL7 and FHIR**  
Learn how to utilize AWS services for server-less processing, such as AWS Lambda and the Amazon API Gateway, to facilitate secure development and deployment of a Health Level Seven International (HL7) Fast Healthcare Interoperability Resources (FHIR) interface that supports data interoperability. |
## Other Sessions of Interest

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>WPS202</td>
<td>Blockchain for Science and Research</td>
</tr>
<tr>
<td>WPS205</td>
<td>Modernizing Public Sector in the Cloud</td>
</tr>
<tr>
<td>WPS309</td>
<td>Aiding natural-disaster responses with Amazon SageMaker and Amazon Comprehend</td>
</tr>
<tr>
<td>WPS314</td>
<td>Amazon WorkSpaces for regulated industries</td>
</tr>
<tr>
<td>MGT407-R</td>
<td>Automating security management with IAM and AWS CloudFormation</td>
</tr>
<tr>
<td>AIM202-S</td>
<td>PwC’s SENTRI solution for HCLS case management</td>
</tr>
<tr>
<td>AIM305</td>
<td>Automate content moderation and compliance with AI</td>
</tr>
<tr>
<td>AIM307</td>
<td>Amazon SageMaker deep dive</td>
</tr>
<tr>
<td>AIM308</td>
<td>Build accurate training datasets with Amazon SageMaker Ground Truth</td>
</tr>
<tr>
<td>WPS204</td>
<td>AI for Good: Harnessing Artificial Intelligence &amp; Machine Learning to Transform Your Mission</td>
</tr>
<tr>
<td>CMP201-L</td>
<td>Compute Leadership Session: What’s new in compute</td>
</tr>
<tr>
<td>CMP204</td>
<td>HPC on AWS: Innovating without infrastructure constraints</td>
</tr>
<tr>
<td>CMP302</td>
<td>AWS Outposts: Extend the AWS experience to on-premises environments</td>
</tr>
<tr>
<td>CMP304</td>
<td>Amazon ML infrastructure: Cost &amp; performance</td>
</tr>
<tr>
<td>CMP304</td>
<td>Accelerate applications using Amazon EC2 F1 FPGA instances</td>
</tr>
<tr>
<td>ENT202</td>
<td>Quantify and maximize your business value on AWS</td>
</tr>
<tr>
<td>ENT205</td>
<td>Get started on your migration business case</td>
</tr>
<tr>
<td>ENT217</td>
<td>Build enterprise cloud fluency to accelerate cloud adoption</td>
</tr>
</tbody>
</table>
Healthcare & Life Sciences Lounge

Venetian Level 3

Monday, December 2  
10:00am – 5:00pm  
Lightning Talks  
Speaker Meet & Greets  
Informal Networking

Tuesday, December 3  
11:00am – 5:00pm  
Lightning Talks  
Speaker Meet & Greets  
Informal Networking

Wednesday, December 4  
9:00am – 5:00pm  
Lightning Talks  
Speaker Meet & Greets  
Informal Networking

Thursday, December 5  
11:00am – 3:00pm  
Lightning Talks  
Speaker Meet & Greets  
Informal Networking

Featured Sessions  
2:00pm – 4:00pm  
Sponsored by: Deloitte.

Network, relax, meet session speakers, and learn from informal lightning talks
Keynotes

Overview

Monday Night Live with Peter DeSantis
Monday, December 2
7:30pm – 9:00pm
The Venetian, Level 2

Andy Jassy, CEO, AWS
Tuesday, December 3
8:00am – 11:00am
The Venetian, Level 2

Global Partner Summit with Doug Yeum
Wednesday, December 4
8:30am – 10:30am
The Venetian, Level 2

Dr. Werner Vogels, CTO, Amazon
Thursday, December 5
8:30am – 10:30am
The Venetian, Level 2
Play

Overview

**MIDNIGHT MADNESS**
TATONKA
SCAVENGER HUNT
AIR BAND
AND MORE!
Sunday, December 1
10:30PM – Midnight | Venetian

**RESTAURANT RECEPTIONS**
Tuesday, December 3
6:00PM – 8:00PM | ARIA
- Mirage • Venetian

**4K/8K RUN**
Wednesday, December 4
6:30AM | Mirage

**QUIRKY ACTIVITIES**
MOVIE NIGHT
CHOIR!CHOIR!CHOIR
SIP AND PAINT
AND MORE!
Wednesday, December 4
6:00PM – 9:00PM | Venetian • ARIA

**RE:PLAY**
Thursday, December 5
8:00PM – Midnight | MGM Festival Lot
Your re:Invent Checklist

Worksheet

☑ Registered for re:Invent
☑ Booked my hotel
☑ Booked travel reservations
☑ Uploaded my badge photo
☑ Connected with account team
☑ Favorited sessions
☑ Reserved seats to the sessions I want
☑ Reviewed list of open boot camps
☑ Reviewed the Expo & Quad maps

☑ Downloaded the mobile app
☑ Familiar with the shuttle & walking routes
☑ Watched all How-to-re:Invent videos on YouTube
☑ Marked my calendar with critical dates
☑ Familiarize myself with sponsors in the Expo & Quad
☑ Signed up for quirky programs (Harley Ride, Tatonka Challenge, 4k/8k Run, Broomball, etc.)
☑ Read the Know-Before-You-Go info
☑ Attended Know-Before-You-Go webinar
Want to Connect With an Expert?

**AWS Healthcare Leaders**

If you’d like to arrange a meeting with **AWS Healthcare and Life Sciences Experts**, please reach out to your account teams to coordinate. You can click on the photos to access team member LinkedIn profiles.

Shez Partovi  
Worldwide Director, Healthcare & Life Sciences

Patrick Combes  
Worldwide Technical Lead, Healthcare & Life Sciences

Wilson To  
Worldwide Business Development Lead, Healthcare

James Han  
Business Development - Industry Programs, Healthcare

Elliot Menschik  
Sr. Manager, Venture Capital and Start-Up Business Development, Healthcare & Life Sciences

Oxana Pickeral  
Global Partner Network Leader, Healthcare & Life Sciences

David Niewolny  
Head of Marketing - Healthcare

Connor Flanagan  
Head of Marketing – Public Sector Health

Taha Kass-Hout  
Director & CMO, Public Sector Health
See you in **Vegas**!