Maintaining value in pharmaceutical compliance

How can companies modernize programs through digital to deliver strategic value?

John Conrad, Paul Silver, and Natasha Elsner

THE DELOITTE CENTER FOR HEALTH SOLUTIONS
Rapid changes in the pharmaceutical industry call for a compliance upgrade. Adoption of digital technologies such as automation and machine learning can help compliance maintain its position as a strategic partner to the business.

Executive summary

Without modernizing compliance operations at pharma companies, it will likely become increasingly difficult, if not impossible, for compliance to remain a strategic partner to the business—a position that took years to achieve. Regulatory requirements are increasing, regulators’ capabilities to identify risks and bad behaviors are growing in speed and sophistication, internal pressure to cut costs and do more with less is intensifying, and digital technologies themselves can be a source of risk as the business adopts new tools and ways to engage with customers.

Deloitte Center for Health Solutions’ interviews with industry executives at 10 pharma companies found that:

- Many compliance activities require significant manual effort; adoption of digital technologies is nascent; and with few exceptions, implemented use cases support reactive activities, such as identifying and reporting past events.

- Technology deployment is variable: For instance, one organization has implemented a sophisticated digital tool for policy inquiries while still struggling with real-time monitoring and continuous control of financial transactions.

- Though compliance executives have digital technologies on their radars, traditional approaches to compliance operating models and existing workflow systems impose constraints on what interviewed executives think is possible.

- Finally, compliance departments can get overlooked as other functions are targeted for digital investments.

In this article, we propose a view of digital maturity to help organizations assess their current state and ambition and recommend action steps to consider in modernizing their compliance operations.

Introduction

As an enabling function, compliance at pharma companies covers multiple areas, including human resources, foreign corruption and bribery, patient assistance programs, communications with patients and health care professionals (HCPs), and reporting to regulatory bodies. Given the need for specialized expertise in each of these areas and a dependence on other parts of the organization for data, compliance operations have traditionally relied on manual processes. And this means that a compliance program can only be as powerful as the number of people assigned to it.

Digital technologies can make it possible to move away from rote tasks, keep up with the growing amounts of data, and transform compliance into a value-creating organization that anticipates what can go wrong and prevents it from happening.

“Our minds are faster than our work allows us to be. We couldn’t do certain things because the capability wasn’t there. Now we can.”

— Sales force planning executive, large pharma company
But are pharma companies taking advantage of the opportunities afforded by digital technologies to modernize their compliance operations?

We set out to answer this question by understanding current levels of technology adoption and future opportunities for compliance modernization. We interviewed 16 executives from compliance, commercial, and medical affairs functions at 10 pharma companies (see Appendix 1). We found that the use of digital technologies is still in the nascent stage, but interest and opportunities are growing.

Findings

RESOURCE-INTENSITY OF BASIC COMPLIANCE OPERATIONS LIMITS FOCUS ON STRATEGIC ISSUES

Our findings suggest that the resource-intensive nature of many of the operational activities limits the time compliance executives can dedicate to strategic tasks. While this is not unique to the pharma industry, it does suggest that companies may not be getting the value they expect out of their compliance operations.

Respondents said that identifying and customizing training needs, generating reports, and developing and managing compliance policies require considerable resources. Monitoring and auditing involve manual data extraction from multiple documents and data systems and dealing with inefficient processes for document management. And ad hoc activities such as attending meetings, reviewing promotional materials, and answering queries from business colleagues can be time-consuming.

When executives from the business side (commercial and medical affairs) engage in compliance-related activities, they too find many of them resource-intensive. Examples include reviewing promotional materials, customer relationship management (CRM) tool management, managing product samples, and performing administrative tasks required by policy.

USE OF DIGITAL TECHNOLOGIES IN COMPLIANCE IS AN EXCEPTION RATHER THAN THE RULE

Our research has found that though digital technologies promise to improve efficiency and quality, their adoption in compliance by pharma companies is nascent. And even when they are used, the levels of adoption and types of technologies vary. For example:

- Some companies use complex algorithms such as natural language processing (NLP) to create policy apps and mine text in emails for potential red flags.
- Most companies have built reports and dashboards, but these tools do not comprehensively address all analytic needs in routine compliance operations.
- For many other tasks, compliance professionals rely on generic software such as Microsoft suite (Word, PowerPoint, SharePoint, Excel).

Most of the implemented use cases we heard about in this research support reactive activities, such as identifying and reporting past events. Below we provide a few examples of implemented solutions categorized according to what they are used for.

- **Monitoring.** Compliance functions spend considerable time on the retrospective review of emails as part of risk monitoring. A large pharma company deployed an NLP tool for initial email screening to identify potential risks. This approach reduced the number of emails that compliance officers needed to review from 2,500 to 20. Now, the officers can spend time investigating those 20 emails and narrowing them down further to find true risk to the business and perform employee retraining to
improve their understanding of what constitutes risks and how to avoid or minimize them in the future.

**• Reporting.** Another company identified the need for a mileage-calculation solution in its expense reporting, as employees subject to this requirement had to exit the company’s application to calculate mileage. The compliance analytics team automated this process through an algorithm that captures employees’ inputs (for example, home address and customer address) and calculates the distance between the two locations, using external data that the algorithm pulls from Google Maps. The respondent described this as a parsimonious solution requiring minimal amount of code, and yet, has saved employees a lot of time.

One of the responsibilities of the compliance function is to monitor marketing spend. During an internal audit, a pharma company found that employees inaccurately reported the expenses incurred during HCP interactions. These errors typically occurred when attendance was lower than planned, resulting in overstating of costs per HCP and exceeding allowable limits. The company built real-time prompts that come up when the cost per person exceeds the limit. This encourages the employee to seek advice from compliance during expense report completion. Thus, reporting errors are prevented as opposed to being found months later and corrected retroactively.

**• Policy.** Two companies we spoke with use chatbot-based policy apps to help field-based professionals find answers to policy-related questions. With this app on their smartphones, professionals can get answers to their queries in real time. The app also provides a reference to the specific language in policy documents. Told of this during our interviews, several other companies expressed interest in implementing a similar solution.

Despite these examples, our conclusion is that there is much more opportunity to implement digital technologies. For many reasons, compliance organizations at pharma companies do not have a well-developed strategy around taking advantage of opportunities. One way to get started is to consider a digital maturity model that can be useful in designing that strategy.

### Digital maturity model for pharma manufacturers to leverage digital capabilities in compliance

The model we describe in figure 1 can help organizations assess their current position and ambition for the future. It also serves as a reminder that strategy, not technology, drives digital transformation.

The fundamental stage involves preparatory work: to make systems and processes analytics-ready and put in place and/or streamline basic analytic capabilities. At the next stage of insight generation, compliance professionals spend more time on analytics than on data management: automating routine processes, implementing continuous controls, and performing root-cause analyses. As more compliance and analytic
work is automated, the compliance function can move beyond backward-looking analysis and reporting toward generating foresights—anticipating and preventing future risks.

Opportunities abound to digitize compliance operations

Respondents offered many ideas for using digital technologies to improve compliance and business processes. We have categorized use cases along the digital maturity continuum (see figures 2, 3, and 4), and for each level of digital maturity, we offer a detailed description of a use case applicable to most pharma companies’ compliance operations.

**FUNDAMENTAL: USE CASES FROM INTERVIEWS**

**Detailed use case: Automated risk assessment across a product portfolio.** Interviewing business owners is one way in which compliance officers assess risks for products or portfolios. But this in-person approach means that risk assessments do not happen as regularly or as often as they should.

An automated risk assessment process for a product portfolio, built on an existing risk management platform, can capture data from stakeholders (product owner, brand team) through a standardized survey. Survey questions could cover risk domains based on the company’s requirements...
FIGURE 2

Possible use cases for the fundamental stage of digital maturity

<table>
<thead>
<tr>
<th>MONITORING</th>
<th>POLICY</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Process automation: Centralize documents, pull information from multiple sources, copy-paste, fill forms</td>
<td>• NLP and web-scraping technologies to:</td>
</tr>
<tr>
<td>• Retrospective email and website monitoring</td>
<td>• Develop and customize policies</td>
</tr>
<tr>
<td>• Consolidated dashboards that pull information from multiple data systems (such as accounting, CRM, time and expense reporting, event planning)</td>
<td>• Harmonize policies across countries</td>
</tr>
<tr>
<td></td>
<td>• Automate policy creation and management</td>
</tr>
<tr>
<td></td>
<td>• Translate policies into other languages</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OPERATIONAL TASKS</th>
<th>TRAINING</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Chatbots and policy apps to answer queries</td>
<td>Flash or on-demand trainings to provide a refresher on a single topic in an engaging way using video, animation, or gamification</td>
</tr>
<tr>
<td>• Blockchain to track HCPs’ movement between organizations</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONTRACTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fair market value calculations</td>
</tr>
</tbody>
</table>

Source: Interviews by the Deloitte Center for Health Solutions.

USING OUTPUTS OF ONE PROCESS AS INPUTS FOR ANOTHER

Efficiency is more than just about saving time and labor: When generation of analytical outputs is accelerated, they can be used as inputs in other analyses.

Our respondents described possible scenarios. Imagine using the following monitoring findings to predict risky behaviors by reps:

• Data from CRM to understand the degree to which reps' activities are concentrated in one or two accounts versus distributed

• Data from accounting systems to cross-check client interactions captured in CRM and track the flow of money (meals, speaker fees, research grants) to specific HCPs

• Email communications to flag potential issues

• Reps’ compliance with training requirements

• HCP history (eligibility for engagements, amount of product samples received, fair market value rates and exceptions)

Using such monitoring findings for risk assessments is an unlikely option in traditional compliance operations due to lag times of six to 12 months. Digital technologies are accelerating data generation close to real time and making new approaches to risk assessment a reality.
and an automated schedule could ensure the desired frequency of data collection. And more stakeholders can contribute survey data than through the traditional approach. Additionally, risk weighting and scoring algorithms can be added to automatically score survey results and provide an objective view of compliance risk that drives ongoing monitoring plans and activities.

With data collection automated, compliance activities can shift from gathering to analyzing data and providing meaningful insights. Furthermore, the solution can help compliance teams become more targeted, paying greater attention to higher risk areas with in-person visits.

**INSIGHT GENERATION: USE CASES FROM INTERVIEWS**

**Detailed use case: Automating compliance reviews of HCP engagement requests.** Pharma companies process numerous HCP engagement requests (for speaker or education programs, for instance), a process that can be labor-intensive. Algorithms that combine ML with NLP and NLG can help improve the efficiency of this process.

When the business submits a request through a CRM portal or similar system, an algorithm performs the first level of review and the results are routed to compliance. A dashboard showing all HCP requests in the queue includes a confidence score and reason for rejecting or approving each request. Exceeding budgets, inconsistencies in the request, or failure to substantiate the business need could be reasons for rejection.

The compliance professional can either accept the algorithm-proposed dispositions for the requests or perform a secondary review. Certain parts of the text in the request are color-coded to facilitate secondary review: for example, green identifies key terms and phrases that justify approving the request, red signifies risks associated with the request or potential reasons to disqualify the HCP in question from participating, and yellow points to areas that are unclear or warrant further review.

The results from the secondary level of review feed back into ML algorithms that continue to learn as the system is used. Over time, the accuracy of the first level of review increases. Potential labor savings in the first year can be up to 50 percent and increase to 70 percent over time.

**FIGURE 3**

**Possible use cases for the insight generation stage of digital maturity**

<table>
<thead>
<tr>
<th>MONITORING</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Automatic limits on expenses, real-time monitoring of financial transactions</td>
</tr>
<tr>
<td>• Real-time email and website monitoring</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TRAINING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Predictive analytics to manage trainings: Identify employees who might benefit from training on certain topics, automate training assignments, propose flash training topics to an employee using information from CRM and employees’ calendars</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONTRACTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Risk-scoring of health care professionals and health care providers based on prior engagements (contracts, grants, affiliations)</td>
</tr>
<tr>
<td>• Verifying and drawing up contract language</td>
</tr>
</tbody>
</table>

Source: Interviews by the Deloitte Center for Health Solutions.
**POWER OF FORESIGHT: USE CASES FROM INTERVIEWS**

**Detailed use case: Continuous monitoring of third parties.** A risk-sensing solution uses NLP to mine unstructured text from hundreds of thousands of external data sources in multiple countries and languages, to provide early warnings of potential third-party risks. The examples of risk domains the solution can track for a specific third party include:

- **Compliance:** Legal citations, class action lawsuits, policy violations, fines, regulatory actions, and environmental violations

- **Financial and reputational risk:** Financial crimes, tax evasion, fraud, general company information, and reputational issues

- **Operational risk:** Service payments to vendors and employees, due diligence, supply chain issues, commodity pricing, labor disputes

- **Strategic risk:** Future of the industry, macro trends affecting the third party, political landscape, localized perspective

The solution generates a risk profile, a summary of the signals to support the risk profile, a risk score based on the number and strength of the warnings, and potential implications. The information is organized into a dashboard for compliance professionals to periodically review third-party risks. The solution helps the compliance function to anticipate and prepare for these risks weeks or even months in advance.

**Implications**

How should compliance executives think about activities that merit technological solutions, especially given their budget constraints? We recommend that companies approach them thoughtfully and evaluate the following within the context of their organizational structures and business needs:

- **Value:** The value to the organization can often be expressed in terms of risk impacts. Digitizing processes associated with the highest risks, where improved speed and accuracy can help prevent, detect, or respond to those risks could deliver the greatest value.

- **Impact on internal compliance operations vs. business line processes:** Because many first-line-of-defense activities occur at the business level, changing existing processes or implementing new ones can require coordination and buy-in from business.

  - When a business line process is affected, the proposed changes should create benefits not only to compliance but also to the

---

**FIGURE 4**

Possible use cases for the power of foresight stage of digital maturity

**GLOBAL RISK FORECASTING**

- Data generated from one country to make predictions for others

**SUPPORT CUSTOMER INTERACTIONS FOR MEDICAL AFFAIRS AND COMMERCIAL**

- Identify HCPs who are influencers and/or are open to engagements
- Identify HCPs who might benefit from education (about rare diseases, for example)

Source: Interviews by the Deloitte Center for Health Solutions.
business. In an ideal scenario, a new solution would solve an existing business need. An example from our research involves medical information request forms (MIRFs). All medical affairs executives we spoke with identified this as a lost business opportunity: By the time they answer a customer’s question that triggered the MIRF in the first place, the customer has moved on. Ideally, they would like to reduce turnaround time on MIRFs to under 24 hours and use a chatbot to help field representatives answer customer questions that would normally generate a MIRF is one of the ideas they offered.

- On the other hand, changes to business line processes can create opportunities for compliance. For instance, when the business is implementing a new technology or system (such as a new CRM system), it creates an opening to implement new business rules, controls, or reports to support compliance activities.

  • **Feasibility**: Assessing the feasibility of a technological solution in a specific scenario can yield a go/no-go decision; for instance, when the technology is not ready, or the data and systems environment cannot support it.

  - **Speed and ease of implementing**: Attacking an easy problem first can be a low-risk approach that helps build confidence in the technology and deliver an early win.

  • **Resource use**: Evaluating activities for resource-intensity could be a useful prioritization exercise when multiple use cases are considered.

In Appendix 2, we provide an example of a prioritization matrix to illustrate how companies may inventory and evaluate their compliance processes against multiple criteria.

**Conclusion**

In all the 10 companies we interviewed, compliance departments play a strategic role, and most respondents admit it took a great deal of work and relationship-building to get there.

Demands on compliance departments will likely continue to grow: Regulators’ capabilities to identify risks and possible bad behaviors are evolving, internal pressure to cut costs and do more with less is intensifying, and digital technologies themselves can be a source of risk.

Compliance functions should continue to modernize their processes, or they may find it difficult to retain their hard-earned positions as strategic partners to the business. As their work gets harder, they may find it challenging to be effective with blocking and tackling alone. The time to invest in digital transformation is now; every company can take steps today to modernize its compliance operations regardless of where it is on the digital maturity continuum. These steps include (figure 5):

  • **Understanding and aligning** with existing digital transformation initiatives at the corporate level

  • **Defining success**

  • **Going fast** by prioritizing compliance processes for which digital solutions make sense

  • **Scaling up** once the results are proven

**How can companies modernize programs through digital to deliver strategic value?**
FIGURE 5

Digital transformation of the compliance function
Understand and align with existing digital transformation initiatives within the broader organization

DEFINE SUCCESS
Develop a compliance digital strategy
Develop a compliance digital strategy, business case, and digital road map

GO FAST
Build on existing foundation
If broader digital initiatives or centers of excellence exist at the organization, team up with those initiatives and build on existing infrastructure

Inventory processes and prioritize
Inventory compliance processes (for example, risk assessment and monitoring) and prioritize based on criteria such as value, synergies with business units, and level of effort

SCALE UP
Prove it works (quickly) and expand
Use an agile, iterative approach to move from strategy to execution: Fail fast, measure outcomes, and scale quickly once results are proven

Source: Deloitte analysis.
Appendix 1: Study objectives and methodology

In spring 2019, the Deloitte Center for Health Solutions conducted interviews with 16 executives from compliance, commercial, and medical affairs functions at 10 pharma companies (see figure 6). Nine were large-cap companies, with revenues greater than US$10 billion, one was a start-up. During the interviews, we focused on compliance-related activities. The objectives were to:

- Understand current use of technologies
- Identify new opportunities digital technologies might present
- Understand leading practices for collaboration between compliance and business functions, particularly within the context of digital transformation, and future role of compliance

FIGURE 6

Respondent profile

<table>
<thead>
<tr>
<th>Compliance function</th>
<th>Business function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of respondents</td>
<td>9</td>
</tr>
<tr>
<td>Titles, roles</td>
<td>• Compliance officer (director level and higher)</td>
</tr>
<tr>
<td></td>
<td>• Assistant general counsel</td>
</tr>
<tr>
<td></td>
<td>• Global operations, ethics and compliance</td>
</tr>
<tr>
<td></td>
<td>• Principal of data analytics</td>
</tr>
<tr>
<td></td>
<td>• Chief privacy officer</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Source: Deloitte Center for Health Solutions.
Appendix 2: Illustrative prioritization matrix for evaluating technology opportunities

In this illustrative example, we chose to focus on automation technologies because they are applicable to most companies at the fundamental and insight generation stages of digital maturity.

After inventorying all compliance processes, stakeholders identify those processes for which automation approaches are feasible and plot them on the matrix along the dimensions of automation potential, ease of implementation, and value to the organization.

FIGURE 7
Prioritization matrix for evaluating automation opportunities in compliance

Compliance processes

1 Governance
2 Risk assessments
3 Policies and procedures
4 M&A compliance risk assessment/third-party due diligence
5 Training and communications
6 Confidential reporting and escalation
7 Investigations
8 Corrective and preventive action
9 Tone at the top/culture
10 Continuous improvement
11 Monitoring

Note: Processes in green in the list above are those that were deemed feasible. Of 11 areas, only five were deemed feasible and were therefore plotted in this figure. Bubbles 2 and 11, which correspond to risk assessments and monitoring, are the most significant.
Source: Deloitte analysis.
Appendix 3: Glossary of technology terms

FIGURE 8

Glossary

<table>
<thead>
<tr>
<th>Technologies</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AI</td>
<td>Applications able to mimic human behavior, such as visual perception, speech recognition, decision-making, and translation between languages (e.g., risk identification for compliance risk assessments).</td>
</tr>
<tr>
<td>Chatbots</td>
<td>Computer program or an AI tool which conducts conversation via auditory or textual methods (e.g., policy-related inquiries).</td>
</tr>
<tr>
<td>Data integration</td>
<td>Integrated data to provide a consistent information foundation (e.g., compliance risk and regulatory data warehouse).</td>
</tr>
<tr>
<td>ML</td>
<td>Applications that can improve predictability and operation based on data they receive over time (e.g., data quality).</td>
</tr>
<tr>
<td>NLG</td>
<td>Applications that accept and convert structured data inputs (spreadsheet-like rows/columns), to generate narratives (e.g., anti-money laundering suspicious activity reports and reporting for compliance or management purposes).</td>
</tr>
<tr>
<td>NLP</td>
<td>Applications that process narratives and allow querying and generation of structured data (e.g., regulatory requirement extraction and surveillance).</td>
</tr>
<tr>
<td>Predictive intelligence</td>
<td>Software solutions using predictive models (e.g., compliance risk models).</td>
</tr>
<tr>
<td>RPA</td>
<td>Rules-based systems that mimic human behavior to automate parts of repeatable processes (e.g., compliance testing).</td>
</tr>
</tbody>
</table>

Source: Deloitte analysis.
Endnotes

   
   
   
   

Acknowledgments

PROJECT TEAM

Debanshu Mukherjee assisted with secondary research, project management, and writing of the report.

The authors would like to extend special thanks to Amry Junaideen, Dan Ressler, and Jack Tanselle for their expertise, support, and guidance.

The authors would also like to thank Sarah Thomas, Surya Valisetty, Adam Wisnieski, Michael Crowthers, Neal Gregory, Kirk Petrie, Dilip Krishna, Timothy Cercelle, Marcy Imada, Michele Fleming, Nikhil Gokhale, Lauren Wallace, Mark Linver, and the many others who provided ideas and insights to this project.
About the authors

**John Conrad | jconrad@deloitte.com**

John Conrad is a principal with Deloitte & Touche LLP and has experience in numerous aspects of risk consulting, including assisting organizations in performing companywide risk analyses to address reputational, financial, operational, regulatory, and IT risks, as well as developing sustainable governance frameworks to address those risks. He is experienced in the identification and quantification of business challenges and the development of pragmatic strategies to address those challenges and drive organizations forward. He is based in Philadelphia. Connect with Conrad on LinkedIn [www.linkedin.com/in/john-conrad-7119a9/](http://www.linkedin.com/in/john-conrad-7119a9/).

**Paul Silver | psilver@deloitte.com**

Paul Silver is Deloitte's Life Sciences Regulatory and Compliance leader and serves as the Deloitte Life Sciences Center for Regulatory Strategy leader. He has more than 30 years of experience in the pharmaceutical, medical device, and consumer products industries, specializing in compliance and regulatory matters. Silver regularly works with in-house legal counsel, corporate compliance officers, senior operations professionals, and outside legal counsel that support these professionals. He is a recognized speaker in the areas of sales and marketing compliance in the life sciences industry. He is based in Atlanta. Connect with Silver on LinkedIn [www.linkedin.com/in/paul-silver-6728768/](http://www.linkedin.com/in/paul-silver-6728768/).

**Natasha Elsner | nelsner@deloitte.com**

Natasha Elsner, Deloitte Services LP, is a research manager with the Deloitte Center for Health Solutions. She has spent more than 10 years in market research serving health care clients. With extensive experience in research methodology and data analysis, Elsner conducts cross-sector research at the center. Elsner holds a master's degree in survey research and methodology. She is based in Philadelphia. Connect with Elsner on LinkedIn [www.linkedin.com/in/natasha-usmanova-elsner/](http://www.linkedin.com/in/natasha-usmanova-elsner/).
Contact us

*Our insights can help you take advantage of change. If you're looking for fresh ideas to address your challenges, we should talk.*

Industry contact

**Amry Junaideen**  
Managing principal | Life Sciences and Health Care | Risk & Financial Advisory practice leader  
Deloitte & Touche LLP | +1 571 766 7178 | ajunaideen@deloitte.com  

Amry Junaideen is the managing principal of Life Sciences and Health Care for the Risk and Financial Advisory business and has more than 26 years of diversified global experience in both the private and public sectors.

The Deloitte Center for Health Solutions

**Sarah Thomas, MS**  
Managing director | Deloitte Center for Health Solutions | Deloitte Services LP  
+1 202 220 2749 | sarthomas@deloitte.com  

Sarah Thomas is the managing director of the Deloitte Center for Health Solutions, where she drives the research agenda to inform stakeholders across the health care landscape about key trends and issues facing the industry.
About the Deloitte Center for Health Solutions

The source for fresh perspectives in health care: The Deloitte Center for Health Solutions (DCHS), part of Deloitte LLP's Life Sciences and Health Care practice, looks deeper at the biggest industry issues and provides new thinking around complex challenges. Cutting-edge research and thought-provoking analysis give our clients the insights they need to see things differently and address the changing landscape.

Connect

To learn more about the DCHS and our research, please visit www.deloitte.com/centerforhealthsolutions.

Subscribe

To receive email communications, please visit www.deloitte.com/us/LSHC-subscribe
To subscribe to our blog, please visit https://blogs.deloitte.com/centerforhealthsolutions/

Engage

Follow us on Twitter @DeloitteHealth
Engage with us on LinkedIn via ConvergeHEALTH by Deloitte

To design and implement an effective and efficient enterprise systemwide ethics and compliance program, a company needs to create and maintain their people, processes, and technologies. Deloitte Risk and Financial Advisory’s understanding of all these issues can help the chief compliance officer, and other compliance stakeholders, lead in their industry, navigate risks and opportunities, and disrupt the status quo.
Deloitte Insights contributors

Editorial: Ramani Moses, Blythe Hurley, and Nairita Gangopadhyay
Creative: Emily Moreano, Rajesh Venkataraju, and Anoop K R
Promotion: Alexandra Kawecki
Cover artwork: Kevin Weier

About Deloitte Insights

Deloitte Insights publishes original articles, reports and periodicals that provide insights for businesses, the public sector and NGOs. Our goal is to draw upon research and experience from throughout our professional services organization, and that of coauthors in academia and business, to advance the conversation on a broad spectrum of topics of interest to executives and government leaders.

Deloitte Insights is an imprint of Deloitte Development LLC.

About this publication

This publication contains general information only, and none of Deloitte Touche Tohmatsu Limited, its member firms, or their affiliates are, by means of this publication, rendering accounting, business, financial, investment, legal, tax, or other professional advice or services. This publication is not a substitute for such professional advice or services, nor should it be used as a basis for any decision or action that may affect your finances or your business. Before making any decision or taking any action that may affect your finances or your business, you should consult a qualified professional adviser.

None of Deloitte Touche Tohmatsu Limited, its member firms, or its and their respective affiliates shall be responsible for any loss whatsoever sustained by any person who relies on this publication.

About Deloitte

Deloitte refers to one or more of Deloitte Touche Tohmatsu Limited, a UK private company limited by guarantee (“DTTL”), its network of member firms, and their related entities. DTTL and each of its member firms are legally separate and independent entities. DTTL (also referred to as “Deloitte Global”) does not provide services to clients. In the United States, Deloitte refers to one or more of the US member firms of DTTL, their related entities that operate using the “Deloitte” name in the United States and their respective affiliates. Certain services may not be available to attest clients under the rules and regulations of public accounting. Please see www.deloitte.com/about to learn more about our global network of member firms.

Copyright © 2019 Deloitte Development LLC. All rights reserved.
Member of Deloitte Touche Tohmatsu Limited