



Table of Contents

Introduction		3
Key Findings		4
Survey Results		14
Appendices		26
Featured Results by Job Role	26	
Featured Results by Organization	34	
Related Resources	44	



Introduction

The seventh annual Workers' Compensation Industry Insights Survey was conducted in person at the National Comp conference and online through the end of November 2024. Follow-up interviews with volunteer survey respondents were conducted during December. In partnership with Risk & Insurance® and with the helpful participation of 515 industry stakeholders, we continue to gain valuable insights about industry concerns each year, as well as tracking trends over time. Our survey covers general industry topics with special focus on medical programs and technological utilization and priorities. This report highlights some key findings and insights, as well as detailed survey results in aggregate and broken down by various organizational and individual job roles perspectives.

KEY FINDINGS 1

Rising Litigation Concern

This year's top challenge, according to 61% of all survey participants, is workers' comp litigation, a departure from the healthcare-related challenges we have seen at the top over the past few years. This was a significant increase over the 47% who said that workers' comp litigation was a top challenge last year, and it is the highest ranking since litigation came in as the #4 challenge back in 2022. The belief that litigation drives up claims costs is widely held in the industry and one that was recently confirmed by a large study from WCRI. Using data from almost a million claims, the WCRI authors found that payments increase by \$7,700 - \$12,400 for claims with attorney involvement.¹ In our survey, some post-survey interview subjects also expressed their belief that higher numbers of injured workers are hiring attorneys. More research is needed to determine if this is true, as well as why attorneys become involved and how to prevent it. Once attorneys are involved, they certainly increase complexity in resolving claims, making it more difficult to communicate and coordinate care for injured workers, and usually increasing claim duration, as

well as payments. Over 50% of survey participants see complex/high dollar claims as a challenge for the industry, and the issues of litigation and claim complexity are clearly intertwined. But litigation alone does not explain increasingly complex claims. Poor worker health and expanding coverage for mental health are examples of other factors that play a role in complexity. For workers' compensation payers, analyzing all of the factors that complicate and extend claims, as well as the reasons injured workers hire attorneys, may be key first steps to reducing costs.

"Not all employees have attorneys, but it seems like the more complex claims generally are marked by attorney involvement."



Workers' Compensation Program Manager | State insurance fund



"I litigate 1 to 2 claims a year total. It's not a lot, but those take up 90% of my time."

WC Program Manager | Employer



Workers' comp litigation is

#1industry challenge

Concern about workers' comp litigation

increased by 14% over last year 69%

of claims leaders ranked workers' comp litigation as their #1 challenge

Top 5 Industry Challenges

Workers' comp litigation

61%

Healthcare provider/ service shortages

58%

Poor worker health/comorbidities/social determinants of health

58%

Mental health conditions and coverage

53%

Medical/pharmacy price inflation

51%



"Nobody wants to sue their boss who they love, right? It's all about building those connections and relationships."

Occupational Health Director | Employer

KEY FINDINGS

2.

No Simple Solutions for Claim Complexities

Comorbidities, including mental health conditions, have been a concerning issue in workers' comp for some time now and there are few, if any, signs of abatement in this year's survey. As in past years, physical comorbidities and mental health conditions were ranked as the #1 and #2 most concerning claims complexities. They are also consistently ranked as top barriers to injured worker recovery. In fact, comorbidities ranked as the #1 barrier to recovery this year overall and by every individual job role demographic except executive leaders, who ranked it a very close #2 by less than 1%. Efforts to manage comorbidities and mental health conditions do not appear to be keeping pace, however. As indicated by the chart below, the portion of industry stakeholders who are concerned about these conditions significantly outnumber those who say that managing them is a priority for their medical programs. This is understandable as workers' compensation is meant to treat work related/acquired injuries and illnesses, as opposed to overall health. In addition, some workers' comp care managers may not have access to the injured worker's full medical record and may not even be aware of other, concurrent medical conditions. But the increasing prevalence of comorbidities in the worker population, along with greater awareness of mental health conditions and how they impact physical health, is making it more difficult to treat work injuries and illnesses in isolation. For this reason, we are seeing – and expect to see even more – advanced analytic/ Al tools and other solutions to manage the whole patient in the interest of facilitating a full and timely recovery.

Comorbidities ranked as:

#1 barrier
to injured worker recovery

most concerning

#3 industry challenge

51% say complex/high dollar claims are a top challenge

60% say mental health conditions are a concerning claim complexity



"Most work comp systems will not address mental health because once mental health is accepted on a claim, the thought is the claim will never close."

National Product Manager Insurance Carrier

Claim Complexity Concerns vs. Medical Program Priorities

Most Concerning Claims Complexities



Medical Program Priorities

Survey participants overall:

Comorbidities (hypertension, diabetes, etc.)

60%

Mental health conditions

60%

Manage patient comorbidities

44%

Implement mental/behavioral health programs

30%



Comorbidities (hypertension, diabetes, etc.)

76%

33%

Manage patient comorbidities

Mental health conditions

62%

22%

Implement mental/behavioral health programs



Medical Program Managers:

Comorbidities (hypertension, diabetes, etc.)

73%

38%

Manage patient comorbidities

Mental health conditions

67%

44%

Implement mental/behavioral health programs



Clinical Case Managers:

Comorbidities (hypertension, diabetes, etc.)

83%

50%

Manage patient comorbidities

Mental health conditions

66%

20%

Implement mental/behavioral health programs

KEY FINDINGS

3.

Technology's Value in Eye of Beholder

Technologies to assist with claims processing and injured worker care seem to evolve and expand faster than many organizations can assess or implement them. But more workers' comp organizations are relying on technological solutions and this year, and 44% of survey participants reported that their organizations had invested in beneficial new or improved technology. That's an increase of 6% over last year's 38%, but still lower than the 50% who reported such investment in our 2023 survey. Interestingly, the portion of survey participants who report beneficial investment and usage of Al and analytics has decreased slightly over the past few years, going from 28% in 2023 to 25% in 2024, and 24% this year. Understanding different types of technology, what they can do, and how important they are can vary considerably from person to person, however. A deeper analysis of survey responses according to organization type and individual job roles reveals some important distinctions. For example, insurance carriers (54%) and managed care organizations (64%) reported higher success with investment in new and improved technology. And some organizations reported more beneficial investment in Al than the survey average, including insurance carriers (32%), TPAs (43%) and MCOs (50%). While 36% of survey respondents overall said that Al is an important technology for the industry, 43% of executive leaders and 46% of claims leaders said so. Executive and claims leaders at insurance carriers are even more bullish on AI, with 46% and 53% respectively saying that AI is important to the workers' comp industry. These different perspectives on Al might be due to the expected uses of it. Customer service/chat bots was selected as a useful application of Al by 66% of claims professionals, making it their #2 choice, as compared to 51% of claims leaders (#5) and 31% of medical program managers (#7). Some technologies have clearly demonstrated their value to the industry. Claims process automation and telemedicine, for example, have consistently been ranked the #1 and #2 most important technologies for the past four years. For newer and more versatile technologies, like AI, the best uses and overall value likely depends on where you sit.

55% of insurance carriers say predictive analytics is most important technology

1 use of Al for medical program managers

vendor performance benchmarking and management

of clinical/case managers say summarizing and sharing medical records is best use of Al



"I think the future is harnessing this Al technology to do a lot of that burdensome administrative work and free up the team to be able to do that more important work of moving the claim along and connecting with all stakeholders involved."

Director of Occupational Health Employer

Most Applicable Uses of Al for Workers' Comp Industry ———			
2024		2025	
Identify potential fraud	d, waste, and abuse	Identify potential fraud, waste, and abuse	
Customer service (cha	tbots/virtual assistance)	Summarize and share medical history	
3. Summarize and share	medical history	Personalize injured worker experience	
Personalize injured wo	orker experience	Customer service (chatbots, virtual assistants)	
5. Automate referral and	authorization activity	Automated referral and authorization activity	

	—— Top 5 Technologies —	
2024		2025
68%	Claims process automation	60%
55%	Telemedicine	50%
53%	Mobile technologies	44%
37%	Predictive/prescriptive analytics	42%
37%	Interoperability/data sharing	33%

KEY FINDINGS

4.

Pharmacy Goals Align to Increase Safety and Reduce Costs

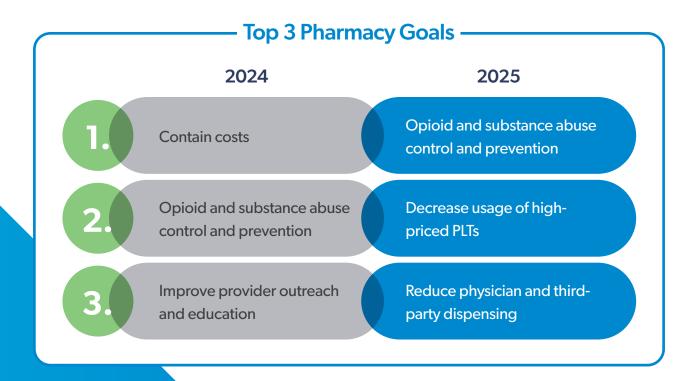
There is a general sense that the opioid crisis is behind us in workers' compensation, where opioid utilization has indeed decreased dramatically. However, when asked what their pharmacy program goals are for the next 2-3 years, 47% of respondents said opioid and substance abuse control/prevention, which made it the number one goal by an 8% margin. Of course, widespread opioid abuse is not a problem we want to see repeated, and vigilance in this regard is well warranted. Healthesystems advocates for active opioid management as a staple of any pharmacy program. The #2 and #3 pharmacy goals are decreasing the use of private label topicals (39.03%) and reducing physician/ third party dispensing (38.80%). These goals are separated by a much smaller margin and there is in fact some overlap between these two issues, as PLTs are often physician dispensed. Concern about PLTs has increased by over 20% since last year when only 17% of survey participants said it was a priority. The percentage of respondents who said reducing physician dispensing is a goal also increased, but by a more modest 5%. Increased attention to PLTs and physician dispensing is a positive development, as both are cost drivers and potential safety hazards.

Dermatological topical costs per claim grew by 96% from $2012 - 2023^2$ and PLTs are not subject to clinical studies or FDA approval to ensure safety and efficacy. Physician dispensed drugs cost anywhere between 60% and 300% more for workers' comp patients than drugs dispensed through a pharmacy.² In addition, when drugs are dispensed by a physician, they bypass the pharmacist who acts as a second line of defense against errors and potential safety issues, as well as a central location to keep track of all a patient's medications. All three of the top pharmacy goals are worthy ones and have the potential to increase patient safety while reducing costs when successfully executed.

of claims leaders want to reduce physician and third-party dispensing

Concern about private label topicals (PLTs) increased over 20% since 2024





540/o of insurance leaders want to increase pharmacy network penetration



It's All Connected

Each year's survey reveals one top challenge that reflects a current concern for industry stakeholders. This year, that challenge is litigation and, as noted, there is good reason to be concerned about the costs and complexities that come with legal action. But looking at litigation or any challenge - in isolation will probably not lead to a solution. Interestingly, the challenges that follow litigation (61%) in the rankings are some of the issues that may make litigation more likely. For example, the #2 challenge is healthcare provider/service shortages (58%) and #3 is poor worker health/comorbidities/social determinants of health (58%). Delays in care due to healthcare provider shortages and existing chronic conditions that complicate treatment contribute to claim complexity, attorney involvement, and higher costs. Comorbidities (60%) and mental health conditions (59%) are persistently the top two most concerning claim complexities. and whether and how to treat them often raises some thorny legal, medical, and business questions that can only be answered on a case-by-case basis.

The workers' compensation insurance industry is also dealing with its own worker shortages and 47% of survey participants are concerned about workforce recruitment and retention. Prevailing opinion about the solution to these worker shortages is technological automation, as evidenced by the 60% of participants who see claims process automation as the most important technology, the 56% who report success with programs to improve claims processing and operational efficiency, and the 55% who say that solutions to support front line claims professionals is their #1 medical program management goal.



"It's all about building those connections and relationships."

Claims Leader | TPA

IT'S ALL CONNECTED

Generally speaking, automation provides significant gains in efficiency and cost reduction. But automation is only valuable in the long term if it drives better decisions that benefit injured workers and does not compromise effective communication and outreach. An ill-informed and alienated injured worker who is not receiving timely and appropriate care is more likely to seek assistance from an attorney.

Providing appropriate and affordable care has itself become more challenging. Expanding coverage for infectious diseases, cancers, and mental health conditions is likely to increase the quantity of complex claims that drive up medical costs, which are already high, as noted by over 50% of industry stakeholders who say that medical/pharmacy price inflation is a major challenge. Containing costs is a driving concern for payers, and rightly so. Every dollar spent on

ineffective care or increasingly high legal costs is a dollar that could be spent helping injured workers recover and return to work.

Judging by our research and experience at Healthesystems, today's workers' compensation leaders understand that investment in quality medical care and effective communication with injured workers is an excellent defense against claim complexity and litigation. Striking the right balance between providing that care and containing costs is a constant industry goal, destined to be faced with an array of evolving challenges.



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Survey Results

The seventh annual Workers' Comp Industry Insights Survey was conducted in collaboration with *Risk & Insurance*® magazine, in person at the National Comp conference and online through November 2024. This survey continues to reveal important insights and challenges. The full survey results are included below.



Participant Demographics

Then and Now



Participant Totals

Organization Type	Percentage 2023/24	Percentage 2024/25	Change
Employer	23%	26%	1+3%
Insurance Carrier	21%	25%	1+4%
Healthcare Provider	11%	12%	1+1%
Insurance Brokerage	6%	7%	1+1%
State/Government Agency	5%	7%	1+2%
Third Party Administrator (TPA)	5%	5%	\Leftrightarrow
Law Firm	3%	3%	
Managed Care Organization (MCO)	4%	3%	1 -1%
Other	16%	12%	1 -4%

Participant Demographics

Then and Now



Job Role	Percentage 2023/24	Percentage 2024/25	Percentage 2024/25
Executive Leadership	19	19	\Leftrightarrow
Risk Management	15	15	\Leftrightarrow
Claims Leadership	13	12	1 -1%
Claims Professional/Adjuster	7	8	1 +1%
Workplace Health and Safety	6	7	1 +1%
Clinical/Case Management	6	6	
Legal/Regulatory	6	4	1 -2%
Broker/Agent	5	4	1 -1%
Medical Program Management	3	4	1 +1%
Healthcare Provider	2	3	1+1%
Disability/Absence Specialist	1	2	1 +1%
RTW Specialist	1	1	
Procurement	1	1	
Other	12	14	1+2%

Industry Challenges

Which challenges facing the workers' compindustry most concern you today?



1.	Workers' comp litigation	61%
2.	Healthcare provider/ service shortages	58%
3.	Poor worker health/comorbidities/social determinants of health	58%
4.	Mental health conditions and coverage	54%
5.	Medical/pharmacy price inflation	51%
6.	Complex/high-dollar claims	51%
7.	Workforce recruiting and retention	47%
8.	Workplace safety challenges	44%
9.	New regulation and/or expanding coverage requirements	41%
10.	Operational and technical inefficiencies	35%

For executive leaders, workforce recruitment and retention is the #1 challenge and workers' comp litigation is #6.



Healthcare provider/service shortages has consistently been a top 3 challenge and resulting delays in care may be one reason injured workers hire attorneys.

Participant Perspective

Beneficial Programs

Which programs implemented by your organization over the past 2-3 years have been the most beneficial to your workers' comp program?



1.	Claims process improvements/operational efficiency	55%
2.	Integration/strategic relationships with partners and providers	47%
3.	New or improved technology	44%
4.	Initiatives to improve the injured worker experience	43%
5.	Access to medical services for injured workers	35%
6.	Employee retention and recruitment	32%
7.	Analytics and/or artificial intelligence investment	24%
8.	Implementation of remote/digital technologies for workplace safety/monitoring	19%

Participant Perspective



The #1 beneficial program for state and government agencies is initiatives to improve the injured worker experience.

Healthe Insight



Post-survey interviews reveal that most new integrations with partners and providers are technological.

Medical Program Priorities

What are the top priorities for your workers' comp medical management program?



1.	Solutions to support front-line claims decisions and efficiency	55%
2.	Manage individual patient chronic conditions/comorbidities	44%
3.	Increase use of in-network providers	43%
4.	Injured worker population segmentation and management (risk identification and analysis, customized patient experience)	42%
5.	Identify and manage social determinants of health (e.g., substance abuse, language barriers, social isolation)	35%
6.	Implement mental/behavioral health programs	30%
7.	Clinical outreach/intervention programs	26%
8.	Pharmacy strategies to optimize care and identify/ limit concerning prescribing behaviors	25%

Participant Perspective



Medical program managers had a 3-way tie for their #1 priority: pharmacy strategies to optimize care and limit concerning prescribing; increase use of in-network providers; implement mental/ behavioral health programs.

Healthe Insight



Clinical/case managers and healthcare provider roles, who work more closely with patients, ranked managing patient comorbidities as their #1 priority.

Pharmacy Program Goals

What are the goals for your workers' compensation pharmacy management program in the next 2-3 years?



1.	Opioid and substance abuse control/prevention	47%
2.	Decrease usage of high-priced private label topicals	39%
3.	Reduce physician and third-party dispensing of drugs	39%
4.	Improve provider outreach and education	38%
5.	Increase pharmacy network penetration	29%
6.	Manage other drugs of concern (i.e. benzodiazepines, gabapentinoids)	29%
7.	Increase pharmacy transaction processing efficiency	28%
8.	Increase transparency/visibility into pharmacy program economics	27%
9.	Improve specialty drug program management	24%

Participant Perspective



Claims leaders ranked both reducing physician dispensing and decreasing usage of PLTs by a 10% margin over opioid and substance abuse/prevention.

Healthe Insight



Dermatologicals/topicals currently account for 22% of pharmaceutical spending in workers' compensation.

Recovery Barriers

What do you feel are the biggest barriers to injured worker recovery?



1.	Comorbidities/poor worker health (e.g., diabetes, hypertension, obesity)	63%
2.	Injured worker disengagement/unfamiliarity with work comp system	58%
3.	Limited availability of transitional duty/return to work options	47%
4.	Psychosocial/mental/behavioral health concerns	43%
5.	Access to timely/quality care	38%
6.	Care coordination/communication challenges	37%
7.	Negative interactions with claims staff and/or treating providers	36%
8.	Medical history and/or other relevant information unavailable to payers or providers	35%
9.	Worker fear of re-injury	31%
10.	Language/cultural barriers	29%

Participant Perspective



Executive leaders and healthcare providers ranked injured worker disengagement and unfamiliarity with the work comp system as the #1 barrier to recovery.

Healthe Insight



Previous Healthesystems research has found that injured workers need more information about how to navigate the workers' comp system but there is no clear designation of responsibility for educating them.

Technology

Which technological advances will be most important to your workers' comp medical management program in the next 3-5 years?



1.	Claims process automation (i.e., using analytics to segment and drive claims along appropriate path)	60%
2.	Telemedicine	50%
3.	Mobile applications	44%
4.	Predictive/prescriptive analytics	42%
5.	Artificial intelligence/machine learning (e.g., foundational and generative models: ChatGPT/GPT-4, etc.)	36%
6.	Interoperability and data sharing between payers, providers & vendors	33%
7.	Wearables/virtual reality/digital medicine/smart devices	29%
8.	Virtual assistant/chatbot	21%

Participant Perspective



Workplace health and safety professionals stood out by ranking telemedicine above claims process automation by a 16% margin.

Healthe Insight



The greatest value of increased automation for routine claims is the additional time gained for claims professionals to focus on higher-risk claims that require more personal attention.

Analytics and Al

For which areas do you expect to find advanced analytics and artificial intelligence tools (i.e. machine learning, ChatGPT) most applicable?



1.	Identifying potential fraud, waste, and abuse	63%
2.	Summarizing and sharing medical records/history	54%
3.	Personalizing the injured worker experience	49%
4.	Customer service (i.e. chatbots, virtual assistants)	46%
5.	Automated referral and authorization activity	46%
6.	Analyzing/capturing adjuster best practices	44%
7.	Vendor/provider performance benchmarking and management	43%
8.	Identification, segmentation, and management of high- risk patient populations	42%

Participant Perspective



Claims leaders at insurance carriers selected summarizing and sharing medical history and analyzing adjuster best practices as top potential uses of Al.

Healthe Insight



Al-assisted detection of healthcare FWA is a burgeoning industry that could lead to significant cost savings for workers' comp payers in the future.

Claim Complexity

Which types of medical/health related claim complexities most concern you?



1.	Comorbidities (e.g., hypertension, diabetes)	60%
2.	Mental health conditions (e.g., PTSD, depression, anxiety)	59%
3.	Undetected fraud, waste, and abuse	54%
4.	Type of injury (i.e. musculoskeletal injuries/disorders)	49%
5.	Charges for medical services unrelated to injury	41%
6.	Injured worker substance abuse	38%
7.	Inability to compare and/or control medical prices	36%
8.	Inappropriate/potentially harmful polypharmacy (simultaneous use of multiple drugs)	29%

Participant Perspective



Employers agreed that comorbidities is the #1 concerning claim complexity, but they ranked type of injury as #2 and mental health conditions #5.

Healthe Insight



Identification and management of high-risk populations was ranked last of potential Al applications, but Al can provide important information to identify health risks and cost drivers.

Claims Professional Perspective

If you are a claims professional or adjuster, what obstacles do you face when facilitating medical care for injured workers?

1.	Difficulty obtaining information from medical providers	63%
2.	Difficulty reaching and/or obtaining information from injured workers	49%
3.	Limited/inadequate in-network options for medical care and services	46%
4.	Working between multiple systems and communication channels	46%
5.	Too many claims to manage/delays in referral and transaction processing	40%
6.	Inflated provider prices and fees	40%
7.	Legislative/regulatory requirements	34%
8.	Visibility into the progression of medical care	31%
9.	Lack of reliable and accessible clinical decision support information	29%
10.	Outdated or inadequate claims processing system	23%

Participant Perspective



Claims professionals who work for insurance carriers said that working between multiple systems and communication channels is their biggest obstacle to facilitating care.

Healthe Insight



Working between multiple systems likely contributes to the difficulty claims professional experience obtaining information from medical providers and injured workers, which could potentially be reduced by data and technology integration.



Industry Challenges

Executive Claims Leaders Leaders			Clinical/Case Managers		Medical Program Managers		Risk Managers		Claims Professionals		
2.	Workforce recruiting and retention Healthcare provider/ service shortages	1. 2.	Workers' comp litigation Poor worker health/ comorbidities/social determinants of health	1. 2.	Healthcare provider/ service shortages Medical/pharmacy price inflation	1. 2.	Healthcare provider/ service shortages Medical/pharmacy price inflation	1. 2.	Workers' comp litigation Poor worker health/ comorbidities/social determinants of health	1. 2.	Complex/high-dollar claims Healthcare provider/ service shortages
3.	3	3.	Complex/high-dollar claims	3.	Workplace safety challenges	3.	Mental health conditions and coverage	3.	Healthcare provider/ service shortages		Workers' comp litigation Poor worker health/
-	Poor worker health/ comorbidities/social determinants of health	4.	Medical/pharmacy price inflation	4.	Mental health conditions and coverage	4.	Poor worker health/ comorbidities/social determinants of health	4.	Workplace safety challenges		comorbidities/social determinants of health
5.	Medical/pharmacy price inflation	5.	Mental health conditions and coverage	5.	Workforce recruiting and retention	5.		5.	Complex/high-dollar claims	5.	Medical/pharmacy price inflation
6.	Workers' comp litigation	6.	Healthcare provider/ service shortages	6. 7.	Workers' comp litigation Poor worker health/	6.	Operational and technical inefficiencies	6.	Medical/pharmacy price inflation	6.	Mental health conditions and coverage
	Complex/high-dollar claims	7.	Workforce recruiting and retention		comorbidities/social determinants of health	7.	Complex/high-dollar claims	7.	Mental health conditions and coverage	7.	New regulation and/ or expanding coverage
	New regulation and/ or expanding coverage requirements	8.	Operational and technical inefficiencies	8.	New regulation and/ or expanding coverage requirements	8.	New regulation and/ or expanding coverage requirements	8.	Workforce recruiting and retention	8.	requirements Workforce recruiting and retention
9.	Operational and technical inefficiencies		Workplace safety challenges New regulation and/	9.		9.	•	9.	New regulation and/ or expanding coverage requirements	9.	Operational and technical inefficiencies
	Workplace safety challenges		or expanding coverage requirements	10.	. Complex/high-dollar claims	10	. Workplace safety challenges	10	Operational and technical inefficiencies	10.	Workplace safety challenges



Beneficial Programs

Executive Leaders			Medical Program Managers	Risk Managers	Claims Professionals
Integration/strate relationships with partners and prov	improvements/	Claims process improvements/ operational efficiency	New or improved technology Integration/strategic	Claims process improvements/ operational efficiency	Claims process improvements/ operational efficiency
Claims process improvements/ operational efficient	2. Initiatives to improve the injured worker experience	Initiatives to improve the injured worker experience	relationships with partners and providers 3. Claims process	2. Initiatives to improve the injured worker experience	2. Access to medical services for injured workers
New or improved technology	relationships with	3. Implementation of remote/digital	improvements/ operational efficiency	3. Integration/strategic relationships with	3. Integration/strategic relationships with
4. Employee retention recruitment	partners and providers 4. Analytics and/or artificia intelligence investment	technologies for workplace safety/ monitoring	4. Initiatives to improve the injured worker experience	partners and providers 4. Access to medical services for injured	partners and providers 4. Initiatives to improve the injured worker
 Initiatives to impro the injured worked experience 	ve	4. Employee retention and recruitment	Access to medical services for injured	workers 5. New or improved	experience 5. New or improved
6. Access to medica services for injure		5. Access to medical services for injured workers	workers 6. Employee retention and	technology 6. Employee retention and	technology 6. Employee retention and
workers 7. Analytics and/or intelligence inves	· · · · · · · · · · · · · · · · · · ·	6. Integration/strategic relationships with	recruitment7. Analytics and/or artificial intelligence investment	recruitment7. Analytics and/or artificial intelligence investment	recruitment7. Implementation of remote/digital
Implementation of remote/digital technologies for	Implementation of remote/digital technologies for	partners and providers7Analytics and/or artificial intelligence investment	8. Implementation of remote/digital technologies for	8. Implementation of remote/digital technologies for	technologies for workplace safety/ monitoring
workplace safety, monitoring	9	8. New or improved technology	workplace safety/ monitoring	workplace safety/ monitoring	8. Analytics and/or artificial intelligence investment



Medical Management Priorities

	Executive Claims Leaders Leaders				linical/Case lanagers	Medical Program Managers			isk Nanagers		Claims Professionals		
1.	Solutions to support front-line claims decisions and efficiency		Solutions to support front-line claims decisions and efficiency	1.	Manage individual patient chronic conditions/	1.	Implement mental/ behavioral health programs	1.	Solutions to support front-line claims decisions and efficiency	1.	Manage individual patient chronic conditions/		
2.	Manage individual patient chronic conditions/ comorbidities	3.	Increase use of in- network providers Manage individual patient chronic	2.	Solutions to support front-line claims decisions and efficiency	3.	Increase use of in- network providers Pharmacy strategies to optimize care and	2.	Injured worker population segmentation and management (risk identification and analysis, customized	2.			
3.	Increase use of in- network providers		conditions/ comorbidities	3.	Identify and manage social determinants of		identify/limit concerning prescribing behaviors		patient experience)	3.	Increase use of in- network providers		
4.	Injured worker population segmentation and management	4.	Injured worker population segmentation and management		health (e.g., substance abuse, language barriers, social isolation)	4.	Solutions to support front-line claims decisions and efficiency		Increase use of in- network providers Manage individual	4.	Identify and manage social determinants of health (e.g., substance		
	(risk identification and analysis, customized patient experience)		(risk identification and analysis, customized patient experience)	4.	Injured worker population segmentation and management	5.	Manage individual patient chronic conditions/		patient chronic conditions/ comorbidities	5.	abuse, language barriers, social isolation) Implement mental/		
5.	Identify and manage social determinants of	5.	Clinical outreach/ intervention programs		(risk identification and analysis, customized patient experience)	6.	comorbidities Identify and manage	5.	Implement mental/ behavioral health		behavioral health programs		
	health (e.g., substance abuse, language barriers, social isolation)	6.	Pharmacy strategies to optimize care and identify/limit concerning	5.	Pharmacy strategies to optimize care and identify/limit concerning		social determinants of health (e.g., substance abuse, language barriers,	6.	programs Identify and manage social determinants of	6.	Injured worker population segmentation and management		
6.	Implement mental/ behavioral health programs	7.	prescribing behaviors Implement mental/ behavioral health	6.	prescribing behaviors Increase use of in-	7.	social isolation) Injured worker population segmentation		health (e.g., substance abuse, language barriers, social isolation)		(risk identification and analysis, customized patient experience)		
7.	Pharmacy strategies to optimize care and identify/limit concerning prescribing behaviors	8.	programs	7.	network providers Implement mental/ behavioral health programs		and management (risk identification and analysis, customized patient experience)		Clinical outreach/ intervention programs Pharmacy strategies to optimize care and	7.	Pharmacy strategies to optimize care and identify/limit concerning prescribing behaviors		
8.	Clinical outreach/ intervention programs		abuse, language barriers, social isolation)	8.	Clinical outreach/ intervention programs	8.	Clinical outreach/ intervention programs		identify/limit concerning prescribing behaviors	8.	Clinical outreach/ intervention programs		



Pharmacy Management Goals

	Executive Claims Leaders Leaders		,				Medical Program Managers		isk lanagers	_	laims rofessionals
	Improve provider outreach and education Increase pharmacy	1.	Reduce physician and third-party dispensing of drugs	1.	Reduce physician and third-party dispensing of drugs	1.	Improve specialty drug program management Reduce physician and	1.	Opioid and substance abuse control/ prevention	1.	Opioid and substance abuse control/ prevention
	transaction processing efficiency Opioid and substance	2.	Decrease usage of high-priced private label topicals	2.	Decrease usage of high-priced private label topicals	3.	third-party dispensing of drugs	2.	Decrease usage of high-priced private label topicals	2.	Decrease usage of high-priced private label topicals
•	abuse control/ prevention	3.	Opioid and substance abuse control/ prevention	3.	Increase pharmacy transaction processing efficiency		abuse control/ prevention	3.	Improve provider outreach and education	3.	Reduce physician and third-party dispensing
4.	Reduce physician and third-party dispensing of drugs	4.	Increase pharmacy network penetration	4.	Opioid and substance abuse control/	4.	Decrease usage of high-priced private label topicals	4.	Increase transparency/ visibility into pharmacy program economics	4.	of drugs Increase pharmacy network penetration
5.	Increase transparency/ visibility into pharmacy program economics	5.	Increase pharmacy transaction processing efficiency	5.	Increase pharmacy network penetration	5. 6.	outreach and education	5.	Reduce physician and third-party dispensing of drugs	5.	Increase pharmacy transaction processing efficiency
6.	Increase pharmacy network penetration	6.	Improve provider outreach and education	6.	Improve provider outreach and education	0.	of concern (i.e. benzodiazepines,	6.	Increase pharmacy transaction processing	6.	Improve provider outreach and education
7.	Manage other drugs of concern (i.e. benzodiazepines, gabapentinoids)	7.	Manage other drugs of concern (i.e. benzodiazepines, gabapentinoids)	7. 8.	Improve specialty drug program management Manage other drugs of concern (i.e.	7.	gabapentinoids) Increase transparency/ visibility into pharmacy program economics	7. 8.	efficiency Increase pharmacy network penetration Manage other drugs	7.	Manage other drugs of concern (i.e. benzodiazepines, gabapentinoids)
8.	Decrease usage of high-priced private label topicals	8.	Increase transparency/ visibility into pharmacy program economics		benzodiazepines, gabapentinoids)	8.	network penetration		of concern (i.e. benzodiazepines, gabapentinoids)	8.	Improve specialty drug program management
9.	Improve specialty drug program management	9.		9.	Increase transparency/ visibility into pharmacy program economics	9.	Increase pharmacy transaction processing efficiency	9.	Improve specialty drug program management	9.	Increase transparency/ visibility into pharmacy program economics



Barriers to Recovery

Executive Claims Leaders Leaders		Clinical/Case Managers	Medical Program Managers	Risk Managers	Claims Professionals	
Injured worker disengagement/ unfamiliarity with work comp system	Comorbidities/poor worker health (e.g., diabetes, hypertension, obesity)	Comorbidities/poor worker health (e.g., diabetes, hypertension, obesity)	Comorbidities/poor worker health (e.g., diabetes, hypertension, obesity)	Comorbidities/poor worker health (e.g., diabetes, hypertension, obesity)	Comorbidities/poor worker health (e.g., diabetes, hypertension, obesity)	
2. Comorbidities/poor worker health (e.g., diabetes, hypertension,	2. Injured worker disengagement/ unfamiliarity with work	2. Injured worker disengagement/ unfamiliarity with work	2. Psychosocial/mental/ behavioral health concerns	2. Injured worker disengagement/ unfamiliarity with work	2. Limited availability of transitional duty/return to work options	
obesity) 3. Psychosocial/mental/ behavioral health concerns	comp system 3. Psychosocial/mental/ behavioral health concerns	comp system 3. Limited availability of transitional duty/return to work options	3. Injured worker disengagement/ unfamiliarity with work comp system	comp system 3. Limited availability of transitional duty/return to work options	3. Psychosocial/mental/ behavioral health concerns 4. Injured worker	
4. Limited availability of transitional duty/return to work options	Limited availability of transitional duty/return to work options	4. Psychosocial/mental/ behavioral health concerns	Limited availability of transitional duty/return to work options	4. Psychosocial/mental/ behavioral health concerns	disengagement/ unfamiliarity with work comp system	
Access to timely/quality care	5. Access to timely/quality care	5. Care coordination/ communication challenges	Medical history and/ or other relevant information unavailable	5. Negative interactions with claims staff and/or treating providers	5. Care coordination/ communication challenges	
Care coordination/ communication challenges	 Negative interactions with claims staff and/or treating providers 	6. Access to timely/quality care	to payers or providers 6. Worker fear of re-injury	6. Care coordination/communication	6. Negative interactions with claims staff and/or	
 Negative interactions with claims staff and/or treating providers 	7. Care coordination/ communication challenges	7. Negative interactions with claims staff and/or treating providers	7. Language/cultural barriers	challenges 7. Worker fear of re-injury	treating providers 7. Worker fear of re-injury	
8. Medical history and/	8. Medical history and/	8. Medical history and/	8. Access to timely/quality care	8. Medical history and/ or other relevant	8. Access to timely/quality care	
or other relevant information unavailable to payers or providers	or other relevant information unavailable to payers or providers	or other relevant information unavailable to payers or providers	9. Negative interactions with claims staff and/or	information unavailable to payers or providers	9. Language/cultural barriers	
9. Worker fear of re-injury	9. Worker fear of re-injury	9. Worker fear of re-injury	treating providers 10. Care coordination/	9. Access to timely/quality care	10. Medical history and/	
 Language/cultural barriers 	10. Language/cultural barriers	10. Language/cultural barriers	communication challenges	10. Language/cultural barriers	information unavailable to payers or providers	



Technology

Executive Claims Leaders Leaders		Clinical/Case Managers	Medical Program Managers	Risk Managers	Claims Professionals
Claims process automation (i.e., using analytics to segment and drive claims along appropriate path)	Claims process automation (i.e., using analytics to segment and drive claims along appropriate path)	Claims process automation (i.e., using analytics to segment and drive claims along appropriate path)	 Telemedicine Predictive/prescriptive analytics Claims process 	Claims process automation (i.e., using analytics to segment and drive claims along appropriate path)	Claims process automation (i.e., using analytics to segment and drive claims along appropriate path)
2. Telemedicine	2. Mobile applications	2. Telemedicine	automation (i.e., using analytics to segment	2. Telemedicine	2. Mobile applications
 Predictive/prescriptive analytics 	3. Predictive/prescriptive analytics	3. Mobile applications	and drive claims along appropriate path)	3. Mobile applications	3. Telemedicine
4. Artificial intelligence/ machine learning (e.g., foundational and generative models: ChatGPT/GPT-4, etc.)	4. Artificial intelligence/ machine learning (e.g., foundational and generative models: ChatGPT/GPT-4, etc.)	 Interoperability and data sharing between payers, providers & vendors Predictive/prescriptive analytics 	4. Artificial intelligence/ machine learning (e.g., foundational and generative models: ChatGPT/GPT-4, etc.)	Predictive/prescriptive analytics Interoperability and data sharing between payers, providers & vendors	 Interoperability and data sharing between payers, providers & vendors Predictive/prescriptive analytics
5. Mobile applications	5. Telemedicine	6. Wearables/ virtual reality/ digital medicine/	5. Mobile applications	6. Wearables/virtual reality/digital medicine/	6. Artificial intelligence/ machine learning
Interoperability and data sharing between payers, providers & vendors	6. Interoperability and data sharing between payers, providers & vendors	smart devices 7. Artificial intelligence/ machine learning	6. Interoperability and data sharing between payers, providers & vendors	smart devices 7. Artificial intelligence/ machine learning	(e.g., foundational and generative models: ChatGPT/GPT-4, etc.)
 Wearables/ virtual reality/ digital medicine/ smart devices 	 Virtual assistant/chatbot Wearables/ virtual reality/ digital medicine/ 	(e.g., foundational and generative models: ChatGPT/GPT-4, etc.)	7. Wearables/ virtual reality/ digital medicine/ smart devices	(e.g., foundational and generative models: ChatGPT/GPT-4, etc.)	7. Wearables/ virtual reality/ digital medicine/ smart devices
8. Virtual assistant/chatbot	smart devices	8. Virtual assistant/chatbot	8. Virtual assistant/chatbot	8. Virtual assistant/chatbot	8. Virtual assistant/chatbot



Analytics and Al

	Executive Leaders		Claims Leaders		Clinical/Case Managers		Medical Program Managers		isk Nanagers	Claims Professionals		
1.	Identifying potential fraud, waste, and abuse	1.	Identifying potential fraud, waste, and abuse	1.	Summarizing and sharing medical records/history	1.	Vendor/provider performance	1.	Identifying potential fraud, waste, and abuse	1.	Identifying potential fraud, waste, and abuse	
2.	Summarizing and sharing medical records/history	2.	Personalizing the injured worker experience	2.	Identifying potential fraud, waste, and abuse		benchmarking and management	2.	Personalizing the injured worker experience	2.	(i.e. chatbots, virtual	
3.	Personalizing the injured worker experience	3.	Summarizing and sharing medical records/history	3.	Personalizing the injured worker experience	2.	Personalizing the injured worker experience	3.	Analyzing/capturing adjuster best practices	3.	assistants) Summarizing and sharing	
4.	Automated referral and authorization activity	4.	Automated referral and authorization activity	4.	Automated referral and authorization activity	3.	Summarizing and sharing medical records/history	4.	Summarizing and sharing medical records/history	4.	medical records/history Automated referral and	
5.	Customer service (i.e. chatbots, virtual	5.	Customer service (i.e. chatbots, virtual	5.	performance	4.	Analyzing/capturing adjuster best practices	5.	segmentation, and	5.		
6.	assistants) Identification,	6.	, 5. 1		benchmarking and management	5.	Identifying potential fraud, waste, and abuse		management of high-risk patient populations		performance benchmarking and management	
	segmentation, and management of high-risk patient populations	7.	adjuster best practices Vendor/provider performance	6.	Customer service (i.e. chatbots, virtual assistants)	6.	Identification, segmentation, and management of high-risk	6.	Vendor/provider performance benchmarking and	6.	Analyzing/capturing adjuster best practices	
7.	Vendor/provider performance		benchmarking and management	7.	Analyzing/capturing adjuster best practices	7.		7.		7.	Personalizing the injured worker experience	
	benchmarking and management	8.	Identification, segmentation, and	8.	Identification, segmentation, and		(i.e. chatbots, virtual assistants)		(i.e. chatbots, virtual assistants)	8.	Identification, segmentation, and	
8.	Analyzing/capturing adjuster best practices		management of high-risk patient populations		management of high-risk patient populations	8.	Automated referral and authorization activity	8.	Automated referral and authorization activity		management of high-risk patient populations	



Claim Complexities

	Executive Claims Leaders Leaders		Clinical/Case Managers			ledical Program lanagers	Risk Managers			Claims Professionals		
1.	Mental health conditions (e.g., PTSD, depression, anxiety)	1.	Comorbidities (e.g., hypertension, diabetes)	1.	hypertension, diabetes)	1.	Comorbidities (e.g., hypertension, diabetes) Mental health conditions	1.	Undetected medical fraud, waste, and abuse Comorbidities (e.g.,	1.	Mental health conditions (e.g., PTSD, depression, anxiety)	
2.	Undetected medical fraud, waste, and abuse		(e.g., PTSD, depression, anxiety)		(e.g., PTSD, depression, anxiety)		(e.g., PTSD, depression, anxiety)	3.	hypertension, diabetes) Mental health conditions	2.	Comorbidities (e.g., hypertension, diabetes)	
3.	Comorbidities (e.g., hypertension, diabetes)	3.	Undetected medical fraud, waste, and abuse	3.	Type of injury (e.g., musculoskeletal injuries/disorders)	3.	Inappropriate/potentially harmful polypharmacy (simultaneous use of		(e.g., PTSD, depression, anxiety)	3.	Type of injury (e.g., musculoskeletal injuries/ disorders)	
4.	Charges for medical services unrelated to injury	4.	Charges for medical services unrelated to injury	4.	Inability to compare and/ or control medical prices	4.	multiple drugs) Undetected medical	4.	Type of injury (e.g., musculoskeletal injuries/ disorders)	4.	Undetected medical fraud, waste, and abuse	
5.	Type of injury (e.g., musculoskeletal injuries/ disorders)	5.	Type of injury (e.g., musculoskeletal injuries/ disorders)		Undetected medical fraud, waste, and abuse	5.	fraud, waste, and abuse Inability to compare and/ or control medical prices	5.	Charges for medical services unrelated to injury	5.	Charges for medical services unrelated to injury	
6.	Injured worker substance abuse	6.	Inability to compare and/ or control medical prices	7.	Injured worker substance abuse Charges for medical	6.	Charges for medical services unrelated to	6.	Inability to compare and/ or control medical prices	6.	Injured worker substance abuse	
7.	Inability to compare and/ or control medical prices	7.	Injured worker substance abuse	1	services unrelated to injury	7.	injury Injured worker substance	7.	Injured worker substance abuse	7.	Inappropriate/potentially harmful polypharmacy	
8.	Inappropriate/potentially harmful polypharmacy	8.	Inappropriate/potentially harmful polypharmacy	8.	Inappropriate/potentially harmful polypharmacy	8.	abuse Type of injury (e.g.,	8.	Inappropriate/potentially harmful polypharmacy		(simultaneous use of multiple drugs)	
	(simultaneous use of multiple drugs)		(simultaneous use of multiple drugs)		(simultaneous use of multiple drugs)		musculoskeletal injuries/ disorders)		(simultaneous use of multiple drugs)	8.	Inability to compare and/ or control medical prices	

Claims Professionals' Obstacles

Difficulty obtaining information from Lack of reliable and accessible clinical medical providers decision support information Limited/inadequate in-network Outdated or inadequate claims options for medical care and services processing system Difficulty reaching and/or obtaining Working between multiple systems 3. information from injured workers and communication channels Too many claims to manage/delays in Legislative/regulatory requirements referral and transaction processing Visibility into the progression of Inflated provider prices and fees 10. medical care



Industry Challenges

Employers		Insurance Carriers		State/Government Agencies		TPAs		1COs	Healthcare Providers		
1. 2.	Workers' comp litigation Poor worker health/	Medical/pharmacy inflation	rice 1	. Healthcare provider/ service shortages	1.	Workforce recruiting and retention	1.	Complex/high-dollar claims	1.	Healthcare provider/ service shortages	
	comorbidities/social determinants of health	 Workers' comp litiga Poor worker health/ 	ion 2	 Workplace safety challenges 	2.	Workers' comp litigation New regulation and/	2.	comorbidities/social	2.	Mental health conditions and coverage	
3.	Healthcare provider/ service shortages	comorbidities/socia determinants of heal		3. Poor worker health/comorbidities/social	٥.	or expanding coverage requirements	3.	determinants of health Healthcare provider/	3.	Poor worker health/ comorbidities/social	
4.	Complex/high-dollar claims	Healthcare provider, service shortages	2	determinants of health New regulation and/	4.	Poor worker health/ comorbidities/social	4.	service shortages Medical/pharmacy price	4.	determinants of health Medical/pharmacy price	
5.	Workplace safety challenges	5. Mental health conditional and coverage	ons	or expanding coverage requirements	5.	determinants of health Operational and	5.	inflation Workforce recruiting and	5.	inflation Workers' comp litigation	
6.	Workforce recruiting and retention	6. Complex/high-dolla	5	 Mental health conditions and coverage 	6.	technical inefficiencies Complex/high-dollar		retention Workers' comp litigation	6.	, 3	
7.	Mental health conditions and coverage	7. New regulation and, or expanding covera		Workforce recruiting and retention	7.	claims Workplace safety	7.	Mental health conditions and coverage	7.	Workforce recruiting and retention	
8.	Medical/pharmacy price inflation	requirements		7. Workers' comp litigation3. Medical/pharmacy price		challenges Mental health conditions	8.	Operational and technical inefficiencies	8.	New regulation and/	
9.	New regulation and/	retention		inflation		and coverage	9.	New regulation and/		or expanding coverage requirements	
	or expanding coverage requirements	Operational and technical inefficienci		 Operational and technical inefficiencies 	9.	Healthcare provider/ service shortages		or expanding coverage requirements	9.	Operational and technical inefficiencies	
10.	Operational and technical inefficiencies	10. Workplace safety challenges	1	Complex/high-dollar claims	10	 Medical/pharmacy price inflation 	10	 Workplace safety challenges 	10.	Complex/high-dollar claims	



Beneficial Programs

E	mployers	Insurance Carriers			State/Government Agencies		TPAs		ICOs	Healthcare Providers		
1.	Claims process improvements/ operational efficiency	improv	process vements/ ional efficiency	1.	Initiatives to improve the injured worker experience	1.	Claims process improvements/ operational efficiency	1.	Integration/strategic relationships with partners and providers	1.	Access to medical services for injured workers	
2.	Integration/strategic relationships with partners and providers	techno	or improved blogy ation/strategic	2.	Claims process improvements/ operational efficiency	2.	Initiatives to improve the injured worker experience	2.	New or improved technology	2.	Integration/strategic relationships with partners and providers	
3.	Initiatives to improve the injured worker experience	relation	nships with rs and providers	3.	Employee retention and recruitment	3.	Access to medical services for injured workers		the injured worker experience	3.	New or improved technology	
4.	Access to medical services for injured		ves to improve ured worker ence	4.	Access to medical services for injured workers	4.	Integration/strategic relationships with	4.	Claims process improvements/ operational efficiency	4.	Initiatives to improve the injured worker experience	
5.	workers New or improved technology	recruiti	yee retention and ment ics and/or artificial	5.	Integration/strategic relationships with partners and providers	5.	partners and providers Analytics and/or artificial intelligence investment		Analytics and/or artificial intelligence investment	5.	Claims process improvements/ operational efficiency	
6.	Employee retention and recruitment	intellig	ence investment	6.	New or improved technology	6.	Employee retention and recruitment	0.	of remote/digital technologies for	6.	Employee retention and recruitment	
7.	Analytics and/or artificial intelligence investment	service worker	es for injured rs	7.	Implementation of remote/digital	7.	New or improved technology		workplace safety/ monitoring	7.	Implementation of remote/digital	
8.	Implementation of remote/digital technologies for		nentation ote/digital ologies for		technologies for workplace safety/ monitoring	8.	Implementation of remote/digital technologies for	7. 8.	Employee retention and recruitment Access to medical		technologies for workplace safety/ monitoring	
	workplace safety/ monitoring	workpl monito	lace safety/ oring	8.	Analytics and/or artificial intelligence investment		workplace safety/ monitoring		services for injured workers	8.	Analytics and/or artificial intelligence investment	



Medical Management Priorities

E	Employers		Insurance Carriers		State/Government Agencies		TPAs		MCOs		Healthcare Providers	
1.	Solutions to support front-line claims decisions and efficiency Injured worker		Solutions to support front-line claims decisions and efficiency		Solutions to support front-line claims decisions and efficiency Manage individual	1.	Manage individual patient chronic conditions/ comorbidities	1.	Manage individual patient chronic conditions/ comorbidities	1.	Manage individual patient chronic conditions/ comorbidities	
۷.	population segmentation and management (risk identification and analysis, customized		network providers Manage individual patient chronic	۷.	patient chronic conditions/ comorbidities	2.	Solutions to support front-line claims decisions and efficiency	2.	Solutions to support front-line claims decisions and efficiency	2.	Injured worker population segmentation and management (risk identification and	
3.	patient experience)		conditions/ comorbidities		intervention programs	3.	Injured worker population segmentation and management	3.	Identify and manage social determinants of health (e.g., substance		analysis, customized patient experience)	
	network providers Manage individual	4.	Pharmacy strategies to optimize care and identify/limit concerning		Increase use of in- network providers		(risk identification and analysis, customized		abuse, language barriers, social isolation)	3.	Clinical outreach/ intervention programs	
	patient chronic conditions/ comorbidities	5.	prescribing behaviors Injured worker population segmentation	5.	Injured worker population segmentation and management (risk identification and	4.	patient experience) Increase use of innetwork providers	4.	Injured worker population segmentation and management	4.	Solutions to support front-line claims decisions and efficiency	
5.	Identify and manage social determinants of health (e.g., substance		and management (risk identification and analysis, customized		analysis, customized patient experience)	5.	Identify and manage social determinants of health (e.g., substance		(risk identification and analysis, customized patient experience)	5.	Increase use of in- network providers	
	abuse, language barriers, social isolation)	6.	patient experience) Identify and manage	6.	Implement mental/ behavioral health programs		abuse, language barriers, social isolation)	5.	Implement mental/ behavioral health programs	6.	Identify and manage social determinants of health (e.g., substance	
6.	Clinical outreach/ intervention programs		social determinants of health (e.g., substance	7.	Identify and manage social determinants of	6.	Implement mental/ behavioral health	6.	Increase use of in-		abuse, language barriers, social isolation)	
7.	Implement mental/ behavioral health	_	abuse, language barriers, social isolation)		health (e.g., substance abuse, language barriers,	7.	programs Clinical outreach/	7.	network providers Clinical outreach/	7.	Implement mental/ behavioral health	
8.	Pharmacy strategies to optimize care and	/.	Implement mental/ behavioral health programs	8.	social isolation) Pharmacy strategies to optimize care and	8.	Pharmacy strategies to optimize care and	8.	Pharmacy strategies to optimize care and	8.	Pharmacy strategies to optimize care and	
	identify/limit concerning prescribing behaviors	8.	Clinical outreach/ intervention programs		identify/limit concerning prescribing behaviors		identify/limit concerning prescribing behaviors		identify/limit concerning prescribing behaviors		identify/limit concerning prescribing behaviors	



Pharmacy Management Goals

Er	mployers	Insurance Carriers	State/Government Agencies	TPAs	MCOs	Healthcare Providers
	Improve provider outreach and education	Reduce physician and third-party dispensing of drugs	Opioid and substance abuse control/ prevention	Increase pharmacy network penetration	Opioid and substance abuse control/ prevention	Opioid and substance abuse control/ prevention
	Opioid and substance abuse control/ prevention	Opioid and substance abuse control/	Decrease usage of high-priced private label	Decrease usage of high-priced private label topicals	Increase pharmacy network penetration	Improve provider outreach and education
	Reduce physician and third-party dispensing of drugs	prevention 3. Decrease usage of high-priced private label	topicals 3. Improve provider outreach and education	3. Increase pharmacy transaction processing efficiency	3. Reduce physician and third-party dispensing of drugs	3. Decrease usage of high-priced private label topicals
	Decrease usage of high-priced private label topicals	topicals 4. Increase pharmacy network penetration	4. Increase transparency/ visibility into pharmacy program economics	Increase transparency/ visibility into pharmacy program economics	4. Decrease usage of high-priced private label topicals	Manage other drugs of concern (i.e. benzodiazepines,
5.	Increase transparency/ visibility into pharmacy program economics	5. Improve provider outreach and education	5. Improve specialty drug program management	5. Opioid and substance abuse control/ prevention	5. Increase transparency/ visibility into pharmacy program economics	gabapentinoids) 5. Reduce physician and third-party dispensing
	Manage other drugs of concern (i.e. benzodiazepines,	Manage other drugs of concern (i.e. benzodiazepines, gabapentinoids)	Increase pharmacy transaction processing efficiency Reduce physician and	6. Reduce physician and third-party dispensing of drugs	6. Manage other drugs of concern (i.e. benzodiazepines,	of drugs 6. Improve specialty drug program management
	gabapentinoids) Increase pharmacy transaction processing	7. Increase pharmacy transaction processing efficiency	third-party dispensing of drugs 8. Manage other drugs	 Improve provider outreach and education Manage other drugs 	gabapentinoids) 7. Improve provider outreach and education	7. Increase transparency/ visibility into pharmacy program economics
	efficiency Increase pharmacy network penetration	8. Improve specialty drug program management 9. Increase transparency/	of concern (i.e. benzodiazepines, gabapentinoids)	of concern (i.e. benzodiazepines, gabapentinoids)	8. Improve specialty drug program management 9. Increase pharmacy	8. Increase pharmacy transaction processing efficiency
9.	Improve specialty drug program management	visibility into pharmacy program economics	9. Increase pharmacy network penetration	9. Improve specialty drug program management	transaction processing efficiency	9. Increase pharmacy network penetration



Barriers to Recovery

Employers Insurance Carriers		State/Government Agencies		TI	TPAs		MCOs		Healthcare Providers		
1.	Comorbidities/poor worker health (e.g., diabetes, hypertension, obesity)	1.	Comorbidities/poor worker health (e.g., diabetes, hypertension, obesity)	1.	Injured worker disengagement/ unfamiliarity with work comp system	1.	Comorbidities/poor worker health (e.g., diabetes, hypertension, obesity)	1.	Comorbidities/poor worker health (e.g., diabetes, hypertension, obesity)	1.	Injured worker disengagement/ unfamiliarity with work comp system
2.	Injured worker disengagement/ unfamiliarity with work comp system	2.	Injured worker disengagement/ unfamiliarity with work comp system		Negative interactions with claims staff and/or treating providers Access to timely/quality	2.	Injured worker disengagement/ unfamiliarity with work comp system	2.	Injured worker disengagement/ unfamiliarity with work comp system	2.	Comorbidities/poor worker health (e.g., diabetes, hypertension, obesity)
3.	Psychosocial/mental/ behavioral health concerns	3.	Limited availability of transitional duty/return to work options	4.	care Comorbidities/poor worker health (e.g.,	3.	Psychosocial/mental/ behavioral health concerns		Access to timely/quality care Limited availability of	3.	Care coordination/ communication challenges
4.	Medical history and/ or other relevant information unavailable	4.	Psychosocial/mental/ behavioral health concerns	5.	diabetes, hypertension, obesity) Limited availability of	4.	Limited availability of transitional duty/return to work options	5.	transitional duty/return to work options Psychosocial/mental/	4.	Limited availability of transitional duty/return to work options
5.	to payers or providers Care coordination/	5.	Access to timely/quality care		transitional duty/return to work options	5.	Medical history and/ or other relevant		behavioral health concerns	5.	Psychosocial/mental/ behavioral health
	communication challenges	6.	Negative interactions with claims staff and/or	6.	Psychosocial/mental/ behavioral health		information unavailable to payers or providers	6.	Language/cultural barriers	6.	concerns Access to timely/quality
6.	Limited availability of transitional duty/return to work options	7.	treating providers Worker fear of re-injury	7.		6.	Care coordination/ communication challenges	7.	Care coordination/ communication	7.	Care Worker fear of re-injury
7.	Negative interactions with claims staff and/or	8.	Medical history and/ or other relevant		challenges	7.	Access to timely/quality care	8.	challenges Medical history and/	8.	Language/cultural barriers
8.	treating providers Access to timely/quality		information unavailable to payers or providers		Worker fear of re-injury Medical history and/		Worker fear of re-injury		or other relevant information unavailable to payers or providers	9.	or other relevant
9.	care Language/cultural	9.	Language/cultural barriers		or other relevant information unavailable to payers or providers	9.	Negative interactions with claims staff and/or treating providers	9.	Negative interactions with claims staff and/or		information unavailable to payers or providers
	barriers Worker fear of re-injury	10.	Care coordination/	10.	Language/cultural	10.	Language/cultural	10	treating providers	10.	Negative interactions with claims staff and/or
10.	vvorker lear or re-injury	1	challenges	1	barriers	ı	barriers	10.	Worker fear of re-injury	1	treating providers



Technology

			State/Government Agencies		TPAs		MCOs		Healthcare Providers	
analytic and dri	ation (i.e., using cs to segment ive claims along priate path)	Claims process automation (i.e., using analytics to segment and drive claims along appropriate path)	Claims process automation (i.e., using analytics to segment and drive claims along appropriate path)	1.	Claims process automation (i.e., using analytics to segment and drive claims along appropriate path)	1.	Claims process automation (i.e., using analytics to segment and drive claims along appropriate path)	1.	Telemedicine Claims process automation (i.e., using analytics to segment and drive claims along	
2. Mobile	e applications	2. Predictive/prescriptive	2. Interoperability and data	2.	Mobile applications	2.	Interoperability and data		appropriate path)	
	tive/prescriptive	analyticsTelemedicineMobile applications	sharing between payers, providers & vendors 3. Telemedicine		Predictive/prescriptive analytics Artificial intelligence/	3.	sharing between payers, providers & vendors Predictive/prescriptive	3.	Interoperability and data sharing between payers, providers & vendors	
sharing	perability and data	5. Artificial intelligence/machine learning	4. Predictive/prescriptive analytics	4.	machine learning (e.g., foundational and generative models:	4.	analytics Artificial intelligence/ machine learning	4. 5.	Mobile applications Predictive/prescriptive	
6. Artificia	lers & vendors al intelligence/ ne learning	(e.g., foundational and generative models: ChatGPT/GPT-4, etc.)	5. Mobile applications6. Artificial intelligence/ machine learning	5.	ChatGPT/GPT-4, etc.)		(e.g., foundational and generative models: ChatGPT/GPT-4, etc.)	6.	analytics Artificial intelligence/ machine learning	
genera	oundational and ative models: BPT/GPT-4, etc.)	Interoperability and data sharing between payers, providers & vendors	(e.g., foundational and generative models: ChatGPT/GPT-4, etc.)	6.	Interoperability and data sharing between payers, providers & vendors		Telemedicine Mobile applications		(e.g., foundational and generative models: ChatGPT/GPT-4, etc.)	
reality/	bles/virtual / digital medicine/ devices	7. Wearables/virtual reality/digital medicine/smart devices	7. Virtual assistant/chatbot8. Wearables/ virtual reality/ digital medicine/	7.	Wearables/virtual reality/digital medicine/ smart devices	7.	Wearables/ virtual reality/ digital medicine/ smart devices	7.	Wearables/ virtual reality/ digital medicine/ smart devices	
8. Virtual	assistant/chatbot	8. Virtual assistant/chatbot	smart devices	8.	Virtual assistant/chatbot	8.	Virtual assistant/chatbot	8.	Virtual assistant/chatbot	



Analytics and Al

Ei	mployers	Insurance Carriers	State/Government Agencies	TPAs	MCOs	Healthcare Providers
1.	Identifying potential fraud, waste, and abuse	Identifying potential fraud, waste, and abuse	Identifying potential fraud, waste, and abuse	Identifying potential fraud, waste, and abuse	Summarizing and sharing medical records/history	Identifying potential fraud, waste, and abuse
2.	Vendor/provider performance	2. Customer service (i.e. chatbots, virtual	Personalizing the injured worker experience	Automated referral and authorization activity	2. Identifying potential fraud, waste, and abuse	2. Summarizing and sharing medical records/history
2	benchmarking and management	assistants) 3. Summarizing and sharing medical records/history	3. Summarizing and sharing medical records/history	3. Analyzing/capturing adjuster best practices	3. Vendor/provider performance	3. Personalizing the injured worker experience
3.	Summarizing and sharing medical records/history	4. Personalizing the injured	4. Customer service (i.e. chatbots, virtual	4. Identification, segmentation, and	benchmarking and management	4. Automated referral and authorization activity
4.	Analyzing/capturing adjuster best practices	worker experience 5. Analyzing/capturing	assistants) 5. Analyzing/capturing	patient populations	4. Personalizing the injured worker experience	5. Identification, segmentation, and
5.	Personalizing the injured worker experience	adjuster best practices6. Automated referral and	adjuster best practices 6. Automated referral and	5. Summarizing and sharing medical records/history	Automated referral and authorization activity	management of high-risk patient populations
6.	Automated referral and authorization activity	authorization activity7. Vendor/provider	authorization activity7. Identification,	performance	6. Customer service (i.e. chatbots, virtual	6. Vendor/provider performance
7.	Identification, segmentation, and	performance benchmarking and	segmentation, and management of high-risk		assistants) 7. Identification,	benchmarking and management
	management of high-risk patient populations	management 8. Identification,	patient populations 8. Vendor/provider	 Personalizing the injured worker experience 	segmentation, and management of high-risk patient populations	7. Customer service (i.e. chatbots, virtual assistants)
8.	Customer service (i.e. chatbots, virtual assistants)	segmentation, and management of high-risk patient populations	performance benchmarking and management	8. Customer service (i.e. chatbots, virtual assistants)	8. Analyzing/capturing adjuster best practices	8. Analyzing/capturing adjuster best practices



Claim Complexity

E	mployers		nsurance Carriers		tate/Government gencies	TI	PAs	N	ICOs		ealthcare roviders
1.	Comorbidities (e.g., hypertension, diabetes) Type of injury (e.g.,	1.	Mental health conditions (e.g., PTSD, depression, anxiety)	1.	Mental health conditions (e.g., PTSD, depression, anxiety)	1.	Mental health conditions (e.g., PTSD, depression, anxiety)	1.	Mental health conditions (e.g., PTSD, depression, anxiety)	1.	Mental health conditions (e.g., PTSD, depression, anxiety)
	musculoskeletal injuries/ disorders)	2.	Comorbidities (e.g., hypertension, diabetes)	2.	Undetected medical fraud, waste, and abuse	2.	Comorbidities (e.g., hypertension, diabetes)	2.	Comorbidities (e.g., hypertension, diabetes)	2.	Comorbidities (e.g., hypertension, diabetes)
3.	Undetected medical fraud, waste, and abuse	3.	Undetected medical fraud, waste, and abuse	3.	Type of injury (e.g., musculoskeletal injuries/	3.	Undetected medical fraud, waste, and abuse	3.	Undetected medical fraud, waste, and abuse	3.	Type of injury (e.g., musculoskeletal injuries/
4.	Charges for medical services unrelated to injury		Inability to compare and/ or control medical prices	4.	disorders) Comorbidities (e.g., hypertension, diabetes)	4.	Charges for medical services unrelated to injury	4.	Inappropriate/potentially harmful polypharmacy (simultaneous use of	4.	disorders) Injured worker substance abuse
5.	Mental health conditions (e.g., PTSD, depression,	5.	Charges for medical services unrelated to injury	5.	Inability to compare and/ or control medical prices	5.	Type of injury (e.g., musculoskeletal injuries/	5.		5.	Undetected medical fraud, waste, and abuse
6.	anxiety) Inability to compare and/	6.	Injured worker substance abuse	6.	services unrelated to	6.			services unrelated to injury	6.	Inappropriate/potentially harmful polypharmacy
7.	or control medical prices Injured worker substance abuse	7.	Type of injury (e.g., musculoskeletal injuries/ disorders)	7.	injury Injured worker substance abuse	7.	or control medical prices Injured worker substance abuse	6. 7.	Injured worker substance abuse Type of injury (e.g.,	7	(simultaneous use of multiple drugs) Inability to compare and/
8.	Inappropriate/potentially harmful polypharmacy	8.	Inappropriate/potentially harmful polypharmacy	8.	Inappropriate/potentially harmful polypharmacy	8.	Inappropriate/potentially harmful polypharmacy	,·.	musculoskeletal injuries/ disorders)	8.	or control medical prices Charges for medical
	(simultaneous use of multiple drugs)		(simultaneous use of multiple drugs)		(simultaneous use of multiple drugs)		(simultaneous use of multiple drugs)	8.	Inability to compare and/ or control medical prices		services unrelated to injury



Claims Professionals' Obstacles

Employers	Insurance Carriers	State/Government Agencies	TPAs	MCOs	Healthcare Providers
Difficulty obtaining information from medica providers	Working between multiple systems and communication channels	Difficulty obtaining information from medical providers	Difficulty obtaining information from medical providers	NA	Limited/inadequate in-network options for medical care and
 Difficulty reaching and/ or obtaining information from injured workers Visibility into the progression of medical 	2. Difficulty obtaining information from medica providers3. Inflated provider prices and fees	2. Inflated provider prices and fees 3. Too many claims to manage/delays in referral and transaction	2. Too many claims to manage/delays in referral and transaction processing 3. Outdated or inadequate		services 2. Too many claims to manage/delays in referral and transaction processing
 Limited/inadequate in-network options for medical care and services 	Limited/inadequate in-network options for medical care and services	processing 4. Lack of reliable and accessible clinical decision support information	4. Working between multiple systems and communication channels 5. Differ the systems and the systems and communication channels.		Lack of reliable and accessible clinical decision support information Working between
5. Outdated or inadequate claims processing system		5. Limited/inadequate in-network options for medical care and	Difficulty reaching and/ or obtaining information from injured workers		multiple systems and communication channels 5. Legislative/regulatory
Legislative/regulatory requirements	6. Too many claims to manage/delays in referral and transaction	services 6. Difficulty reaching and/	6. Inflated provider prices and fees		requirements 6. Visibility into the
7. Too many claims to manage/delays in referral and transaction processing	processing 7. Lack of reliable and accessible clinical	or obtaining information from injured workers 7. Legislative/regulatory	7. Lack of reliable and accessible clinical decision support information		progression of medical care
Working between multiple systems and communication channels	decision support information 8. Legislative/regulatory	requirements 8. Outdated or inadequate claims processing system	Legislative/regulatory requirements Visibility into the		
	requirements 9. Visibility into the progression of medical	Working between multiple systems and communication channels	progression of medical care		
	10. Outdated or inadequate claims processing system	, ,			



From Healthesystems:

High Prices, High Impact: Meet the Drugs Driving Up Claim Costs in Workers' Comp

High-impact drugs, including topicals and compounds, represent proportionately low utilization compared to opioids or NSAIDs, but they can increase pharmacy spend exponentially on impacted claims.

https://healthesystems.com/rxi-articles/high-prices-high-impact-meet-the-drugs-driving-up-claim-costs-in-workers-comp

Removing Barriers to Recovery: A Primer on Psychosocial Treatments for Injured Workers

Psychosocial factors impacting injured workers' mental and behavioral health can be a barrier to recovery. But addressing any concerns early with the appropriate psychosocial treatments can positively affect a claim and health outcomes.

https://healthesystems.com/rxi-articles/removing-barriers-to-recovery-a-primer-on-psychosocial-treatments-for-injured-workers

The Real Promise of Artificial Intelligence in Healthcare and Workers' Comp

Artificial intelligence capabilities are advancing rapidly, with new applications becoming available for healthcare and workers' comp, along with new privacy and regulatory issues.

https://healthesystems.com/rxi-articles/the-real-promise-of-artificial-intelligence-in-healthcare-and-workers-comp

Triple Threat: Healthcare Fraud, Waste and Abuse in Workers' Comp

The range of medical products and services needed for injured worker recovery is broad and the opportunities for fraud, waste, and abuse in workers' comp healthcare are many. All may prove to be a valuable detection tool, and we already have some effective solutions.

https://healthesystems.com/rxi-articles/triple-threat-healthcare-fraud-waste-and-abuse-in-workers-comp

Beyond Opioids: Drugs of Concern in Workers' Compensation

While the opioid trend is positive, some more nuanced, but still concerning, prescribing patterns bear watching.

https://healthesystems.com/rxi-articles/beyond-opioids-drugs-of-concern-in-workers-compensation

A New Routine: The Growth of Complex Claims and How to Manage Them

Workers' comp professionals are concerned about increasingly complex claims. Routine claims can escalate for a variety of reasons, but it is possible to anticipate and mitigate some of the risks.

https://healthesystems.com/rxi-articles/a-new-routine-the-growth-of-complex-claims-and-how-to-manage-them



From Risk & Insurance®:

Workers' Comp Mega Claims Rise Across Industries

Workers' compensation claims greater than \$2 million surge in frequency and cost, despite representing less than 0.1% of total claims, study finds.

https://riskandinsurance.com/workers-comp-mega-claims-rise-across-industries

To Reduce Litigation in Workers' Comp, Start with the Injured Worker Experience

Thoughts on why injured workers hire attorney.

https://riskandinsurance.com/to-reduce-litigation-in-workers-comp-start-with-the-injured-worker-experience

7 Current and Evolving Drug Trends in Workers' Comp Medical Management

The decline in opioid prescribing is reshaping pharmacy costs in workers' comp, allowing a more diverse range of concerns to come to the fore.

https://riskandinsurance.com/7-current-and-evolving-drug-trends-in-workers-comp-medical-management

5 Best Practices for Managing Complex Workers' Comp Cases

Catastrophic injuries can have lasting effects on workers' physical and mental health, making recovery a long and often complicated process. Following these best practices gives case mangers the best chance of delivering optimal outcomes for all stakeholders.

https://riskandinsurance.com/5-best-practices-for-managing-complex-workers-comp-cases

3 Types of Workers' Comp Mental Health Concerns and How to Address Them Before They Drive Up Claim Costs

Workers' comp payers have long been skeptical about psych claims. Here's why that perspective needs to change.

https://riskandinsurance.com/3-types-of-workers-comp-mental-health-concerns-and-how-to-address-them-before-they-drive-up-claim-costs

Technology for Today's Workers' Comp Medical Programs: 8 Attributes to Insist On

As workers' comp challenges grow, Healthesystems' Kristine Kennedy lists the vital features to look for in benefit management solutions.

https://riskandinsurance.com/technology-for-todays-workers-comp-medical-programs-8-attributes-to-insist-on-



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