

(DRAFT MANUSCRIPT FOR REVIEW)

# **Preventing Needless Work Disability by Helping People Stay Employed**

A White Paper on the  
Stay-at-Work / Return-to-Work Process

by

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# Preventing Needless Work Disability by Helping People Stay Employed

## A White Paper on the Stay-at-Work / Return-to-Work Process

### **EXECUTIVE SUMMARY**

As physicians our fundamental precept is “first, do no harm.” However, we see daily the contrast between well- and poorly-managed health-related employment situations and the harm that results. Identical medical problems end up having very different impacts on people’s lives. The differences in impact cannot be explained by the biology alone. We know that much work disability is not required from a strictly medical point of view. We see devastating psychological, medical, social, and economic effects caused by unnecessarily prolonged work disability and loss of employability. We also see wasted human and financial resources and lost productivity.

Finding better ways of handling key non-medical aspects of the process that determines if an injured or ill person will stay at work or return to work will improve outcomes. Until now, the distinct nature and importance of the stay at work and return to work process (SAW/RTW) has been overlooked. Improvements to that process will support optimal health and function for more individuals, encourage their continuing contribution to society, help control the growth of disability program costs, and protect the competitive vitality of the North American economy.

The first half of our white paper provides the groundwork for readers to understand the second half. Most importantly, the first half describes the SAW/RTW process, how it works and how it parallels other related processes. The second half discusses factors that lead to needless work disability and what can be done about them. Sixteen sections with our observations and specific recommendations are grouped under these four general recommendations:

1. Adopt a disability prevention model.
2. Address behavioral and circumstantial realities that create and prolong work disability.
3. Acknowledge the powerful contribution that motivation makes to outcomes and make changes that improve incentive alignment.
4. Invest in system and infrastructure improvements.

A group of 21 physicians<sup>1</sup> has prepared this report because we feel compelled to speak. The insights we have gleaned about the preventable nature of much work disability must be shared. Our primary goals at this time are to draw attention to the SAW/RTW process and shift the way many people think. Our intent is to open a dialogue with all stakeholders in the workers’ compensation and non-work-related disability benefits systems: employers, unions, working people, the insurance industry, policymakers, the healthcare industry, lawyers, and healthcare professionals, especially all physicians. We invite all of you to work with us towards solutions.

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<sup>1</sup> Seven medical specialties are represented in our group: emergency medicine, family practice, internal medicine, occupational medicine, orthopedics, physiatry, and psychiatry. Eleven of us have additional post-graduate degrees. We are in private medical practice, government, academia, heavy industry, as well as workers’ compensation and disability insurance companies. We work in Canada and 15 of the United States. We are all members of the American College of Occupational and Environmental Medicine. This manuscript was developed without any outside financial support.

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# Preventing Needless Work Disability by Helping People Stay Employed

## A White Paper on the Stay-at-Work / Return-to-Work Process

### OVERVIEW

The fundamental questions this paper is designed to answer are these:

1. Why do some people who develop common everyday problems like backache, wrist pain, depression, fatigue, and aging have trouble staying at work or returning to work?
2. How can employers and insurers work more effectively with healthcare providers to reduce the disruptive impact of injury, illness and age on people's daily lives and work, and help them remain fully engaged in society as long as possible?

This white paper is the end product of extensive and vigorous deliberation by the 21 physician authors. We used a collaborative and consensus-seeking process to develop the observations and recommendations.

In order to build a more profound awareness among all stakeholders that collaboration is required to make the SAW/RTW process work better, we request that you read our report in its entirety. Every stakeholder will be more familiar with some parts than others, so we suggest that you focus on the portions with which you are less familiar.

The white paper begins with an introduction that describes the growing pressures in North America caused by an aging workforce, rising medical costs and lengthening periods of disability. Next comes the background section that defines key terms like "disability" and "disability benefits systems" and the SAW/RTW process, and describes in very broad terms how malfunction of the SAW/RTW process is causing harm to the health and well-being of the same people that these systems were designed to protect – and harm to their families, employers, communities, and society as a whole. Lastly, the background materials explain why we chose to develop this report.

The third section describes in detail how the SAW/RTW process works by using a simple case example. There are two tables: one that shows how the process can escalate and increase in complexity through a series of iterations due to circumstances; and a second one with examples of different kinds of medical conditions that have very different impacts on function and work over time. Next the relationship of the SAW/RTW process to four other parallel processes is described. Three are much more well-known and studied; the other has been studied in academia but largely ignored by disability benefits programs. The failure to distinguish among these separate processes underlies much current system dysfunction. These four other processes are:

- The ill or injured individual's personal adjustment (coping) process.
- The medical care process.
- The benefits administration process.

- 37       • The reasonable accommodation process under the ADA.

38 The second half of the paper consists of observations and recommendations about the  
39 current status of and potential improvements to the SAW/RTW process in North America  
40 today. Sixteen specific recommendations are described in groups under the four general  
41 recommendations. Each of the 16 specific recommendation sections:

- 42       • Identifies specific challenges and non-medical factors that now combine to create  
43 needless disability and its negative consequences.
- 44       • Recommends ways that many of the issues can be addressed.
- 45       • Points out initiatives underway and best practices in preventing needless disability  
46 among working people who are faced with injury or illness.

47 The major points and recommendations made in this white paper are:

48     I.    Adopt a disability prevention model.

- 49       ○ Legislators, regulators, policymakers, and benefits program designers should address  
50 the reality that much work disability is preventable, and that successful SAW/RTW  
51 requires collaboration among several parties.
- 52       ○ Shift the focus of the SAW/RTW process away from certifying or evaluating work  
53 disability towards preventing it. Unless complete work avoidance is medically-  
54 required for healing or for protection of the worker, co-workers or the public, we  
55 should be looking for ways to prevent or reduce absence from work. Expecting and  
56 allowing people to contribute what they can at work and keeping them active as  
57 productive members of society is good for them -- and for us all.
- 58       ○ Instill a sense of urgency to normalize daily routine because prolonged time away  
59 from work is often harmful. In only a few weeks, most people make adjustments and  
60 adopt a new view of themselves and their situation. Some people begin to think they  
61 are permanently disabled regardless of the medical facts. Once that idea is  
62 implanted, it is hard to shake.
- 63       ○ Employers, unions, and insurance carriers should devote more attention and  
64 resources to preventing disability by focusing on the “front end” of disability episodes  
65 while the window of opportunity to make the most difference is still open. In practice,  
66 this means ensuring that the right things happen during the first few days and weeks  
67 of work absence. Injured / ill workers should routinely receive the support and  
68 services they need to get their daily lives back to normal as soon as possible.

69     II.   Address behavioral and circumstantial realities that create and prolong work  
70 disability.

- 71       ○ Acknowledge and address people’s normal human reactions to illness and injury.  
72 Life disruption may be significant and hard for some to cope with. Failure to  
73 acknowledge this distress or offer help breeds trouble. Common courtesy may be  
74 all that is needed.
- 75       ○ Rather than ignore them, investigate and address social and workplace realities.  
76 Scientific research shows that workplace factors like job dissatisfaction or poor job  
77 fit have a powerful effect on disability outcomes. Despite reluctance to intervene,  
78 some issues can be readily resolved once brought to the surface.
- 79       ○ Reduce distortion of the medical treatment process by hidden financial and legal  
80 agendas. A physician who is kept in the dark is not necessarily more  
81 independent, and is vulnerable to manipulation.

- 82           ○ Find a way to effectively reduce disability due to psychiatric conditions, whether  
83           occurring in isolation or in combination with physical ailments. Do so in a manner that  
84           avoids creating more harm and pouring resources into ineffective physical or mental  
85           health treatment.
- 86    III.    Acknowledge the powerful contribution that motivation makes to outcomes and make  
87           changes that improve incentive alignment.
- 88           ○ Pay doctors for disability prevention work in order to increase their commitment to it.
- 89           ○ Support appropriate patient advocacy by getting treating doctors out of a loyalties  
90           bind. Stop asking treating doctors to “certify” disability or to set a return to work date.  
91           Instead ask them about functional ability (unless there is a clear reason why it would  
92           be medically-inappropriate for the worker to do all work of any kind.)
- 93           ○ Increase availability of on-the-job recovery and transitional work programs. Make it  
94           faster and easier to arrange permanent job modifications since workers who stay  
95           active during recovery have better outcomes. Requirements or incentives for  
96           employer participation will be required.
- 97           ○ Good faith efforts should be required of the patient / employee, the doctor, and the  
98           employer to prevent or mitigate disability.
- 99           ○ Reduce cynicism and improve customer service to injured and ill employees by being  
100          more rigorous, more authentic and helpful, fairer, and kinder.
- 101          ○ Restore integrity to programs rife with minor abuse. Make people aware how minor  
102          benefits abuse breeds still more abuse and cynicism that in turn leads to negative and  
103          prejudicial treatment of innocent people.
- 104          ○ Devise better strategies to deal with bad faith behavior / exploitation / fraud. In  
105          particular, provide workers who believe they need help with alternatives to lawyers.
- 106    IV.    Invest in system and infrastructure improvements.
- 107          ○ Programs are needed that will provide basic training to practicing clinicians on  
108          why and how to prevent disability, as well as why and when to disqualify patients  
109          from work. This education should encourage physicians and other healthcare  
110          professionals to broaden the focus of their care to include disability prevention  
111          and to develop clinical skills in this arena.
- 112          ○ Disseminate the scientific evidence regarding the benefit of staying at work and being  
113          active on recovery and preserving function. Doctors, patients and employers all need  
114          to know this.
- 115          ○ Improve information exchange between employers / payers and medical offices.
- 116          ○ Improve and standardize the methods and tools that provide data for SAW/RTW  
117          decision-making.
- 118          ○ Increase the study of and knowledge about the SAW/RTW process. Policymakers,  
119          government agencies, labor organizations, employers, insurance carriers, and  
120          interested citizens should underwrite efforts to learn more about how the SAW/RTW  
121          process works and to understand its outcomes, and should support research to  
122          develop methods that prevent disability more often or more effectively.
- 123    The basis for each recommendation, along with suggestions for how to implement it, is  
124    described in the full paper that follows. The bibliography of literature references is arranged  
125    in groups that correspond to the sixteen specific recommendation sections.



126 Full implementation of many recommendations will require collaboration among all system  
 127 participants, but forward progress can and is already being made by committed individuals and  
 128 companies on their own.

## 129 **INTRODUCTION**

130 The North American workforce has been aging. The burden of chronic disease in the  
 131 population and its resulting impact on function has been rising. Episodes of prolonged  
 132 disability due to common conditions such as depression and low back pain are becoming  
 133 more common. As the population is aging, the fraction of the US population now receiving  
 134 social security disability payments is also rising. Although the incidence of work-related  
 135 injuries and illnesses has been falling steadily for the last several decades, the length of  
 136 disability following work-related injury has been climbing, as have the number of medical  
 137 services and their costs. Paradoxically, employers are paying for more -- and more  
 138 expensive -- medical services but people are nevertheless losing more time from work for  
 139 medical reasons.

140 Until now, mitigating the impact of illness and injury on everyday life and work – with the goal  
 141 of preventing needless disability, preserving function, and protecting quality of life – has not  
 142 been within the traditional purview of medicine. We think it is time to broaden the scope.

143 We believe that this report is the first ever description of the workings (and failings) of the  
 144 SAW/RTW process. Our group of authors is well-qualified to address these matters from an  
 145 informed and fact-based perspective because of the unusual breadth and depth of our  
 146 cumulative experience:

- 147 ○ All of us have practiced medicine and have seen the SAW/RTW process in action first  
 148 hand, since all of the disability benefit programs require a doctor's participation and  
 149 signature at one point or another.
- 150 ○ As physicians involved in occupational medicine, we deal every day with work  
 151 concerns that people have because of their health, as well as health concerns  
 152 caused by their work.
- 153 ○ As physicians, we have all been trained to distinguish what is medical from what is not.
- 154 ○ We come at the SAW/RTW process from multiple vantage points. We are specialists in  
 155 emergency medicine, family practice, internal medicine, occupational medicine,  
 156 orthopedics, physiatry, and psychiatry. We are in private medical practice, government,  
 157 academia, heavy industry, as well as workers' compensation and disability insurance  
 158 companies. We are hands-on clinicians, executives, thought leaders, and consultants.  
 159 We work in Canada and 15 of the United States.

160 The development of this white paper is one concrete example of the commitment of  
 161 occupational medicine physicians to meet the needs of workers, employers and insurers in  
 162 the twenty-first century. Many of us have begun moving beyond our specialty's traditional  
 163 role in preventing and treating *work-related* health problems and are already working  
 164 collaboratively with all parties to keep the workforce healthy and productive. We are taking  
 165 on a broader role in preventing, treating, and mitigating the impact of *all types* of health  
 166 conditions on function, particularly on occupations.

167 This particular document is intended to begin an on-going dialogue with employers, payers  
 168 (insurers, third party claims administrators and self-insured employers), and regulators of the  
 169 work-related and non-work-related disability benefits systems. Given that there are so few of

170 us available (occupational medicine is among the smallest of medical specialties), we are  
 171 interested in exploring how we can best assist the nation's workers, employers, and insurers  
 172 in preventing needless disability.

173 For more discussion of the implications of the SAW/RTW process for the hands-on practice  
 174 of medicine, please see:

- 175 • ACOEM's "Consensus Opinion on the Attending Physician's Role in Helping Patients  
 176 Return to Work After an Illness or Injury"  
 177 ([www.acoem.org/guidelines/article.asp?ID=55](http://www.acoem.org/guidelines/article.asp?ID=55))
- 178 • The 2<sup>nd</sup> edition of the ACOEM Practice Guidelines, Chapter 5 entitled "Cornerstones  
 179 of Disability Prevention and Management"  
 180 ([www.acoem.org/education/tools/pracguide.asp](http://www.acoem.org/education/tools/pracguide.asp)).
- 181 • The American Medical Association's new book "A Physician's Guide to Return to  
 182 Work" edited by Drs. James Talmage and Mark Melhorn.

## 183 **BACKGROUND**

184 Each year, millions of American workers develop health problems that have the potential to  
 185 temporarily or permanently prevent them from working. In the large majority of cases, these  
 186 employees are either able to stay at work in spite of the condition, or return to productive  
 187 work after a brief recovery period. For the balance, roughly a tenth, significant work absence  
 188 and life disruption occurs, sometimes leading to prolonged or permanent withdrawal from  
 189 work. During the period while they are not working, these individuals are described as  
 190 "disabled" and many of them become involved with one or more disability benefits systems.

191 The disability benefits systems we refer to include all the programs that protect workers when  
 192 they become unable to work for medical reasons – especially those that provide financial  
 193 support – such as sick leave, workers' compensation, short term disability (STD), long term  
 194 disability (LTD), and Social Security Disability Income (SSDI). Other closely related  
 195 programs include the Family Medical Leave Act (FMLA) and the ADA (in the US) and their  
 196 Canadian counterparts, though they do not pay benefits per se. The estimated total annual  
 197 cost of disability benefits paid under all these systems in the US exceeds \$100 billion.

198 Every disability benefit program usually requires a physician's signature on a letter, note, or  
 199 form of some kind before benefits can be awarded or denied. Other than that one similarity,  
 200 disability benefit programs and the processes for administering them are better characterized  
 201 by their many differences. Each has its own complex rules and processes for eligibility  
 202 determination and for administration of benefits. Experts in one system often do not know  
 203 much about the others. Each of the programs has generally received significant study and  
 204 attention on process improvements and benefit program design, but each one has been  
 205 considered in isolation. The programs are not knit together into a coherent, coordinated  
 206 whole, and the whole has not received similar attention to potential improvements.

207 In this paper, we use the word "disability" the same way that employers use it in their benefits  
 208 programs and employment policies, and the same way that insurance laws, regulations, and  
 209 policies do. We use "disabled" to mean someone who is absent from work or not working at  
 210 full productive capacity for reasons related to a medical condition. Please note that  
 211 confusion is common regarding the word "disability" since it is sometimes used to describe  
 212 physical or functional impairments. For example, a person who has an impairment that  
 213 affects one or more life functions is considered a to have a disability under the Americans

214 with Disabilities Act (ADA). However, people with ADA-qualifying impairments who are  
 215 working at full productive capacity would NOT be considered disabled according to our  
 216 definition, because they are at work.

217 The focus of this paper is on the surprisingly large number of people who end up with  
 218 prolonged or permanent withdrawal from work due to medical conditions that normally would  
 219 cause only a few days of work absence. Many of those who end up receiving long-term  
 220 disability benefits of one sort or another have conditions that began as common everyday  
 221 problems like sprains and strains of the low back, neck, shoulder, knee and wrist, or  
 222 depression and anxiety. As we will discuss below, prolonged work withdrawal (disability  
 223 absence) by itself can produce unfortunate consequences, and this is one of our major  
 224 concerns.

225 On the other hand, many of the people who receive disability benefits have severe illnesses  
 226 like a major cancer or schizophrenia or have suffered catastrophic injuries such as  
 227 amputations, blinding, major burns, or spinal cord injuries, or have had major surgery. These  
 228 people, too, are susceptible to the influences described in this paper, although the effects  
 229 may be overshadowed by the obvious difficulties of coping with medical problems of this  
 230 magnitude, and the need to learn skills and methods to deal with any resulting impairments.  
 231 In these cases, a prolonged period of work absence is often unavoidable. The traditional  
 232 rehabilitation approach delivered by an array of professionals was designed to meet the  
 233 needs of these people. The question still sometimes arises: what amount of this work  
 234 disability could be prevented?

235 We contend that a considerable amount of the work disability due to common everyday  
 236 conditions (and an unknown fraction of the disability that follows more serious conditions) is  
 237 avoidable, as are its social and economic consequences. We believe that a lot of work  
 238 disability can be prevented or reduced by finding new ways of handling important non-  
 239 medical factors that are fueling its growth.

240 In particular, we want to draw attention to a little-known but fundamental process shared by  
 241 all the disability benefits systems in the US and Canada today – what we call the Stay at  
 242 Work and Return to Work process. It is a fundamental underlying set of actions and  
 243 decisions that determines whether a worker will stay at work in spite of a medical condition,  
 244 and if not, determines whether, when, and how the worker will return to work during or after  
 245 recovery. This Stay at Work and Return to Work process is the topic of this paper. We  
 246 abbreviate this process as SAW/RTW and will define and describe it fully later in this paper.

247 Some non-medical aspects of the SAW/RTW process are causing harm to the health and  
 248 well-being of the same people that these systems were designed to protect – and harm to  
 249 their families, employers, communities, and society as a whole. We see how often  
 250 participation in the disability benefits system is counterproductive in our patients' lives, some  
 251 of whom are particularly susceptible. The disability system typically turns an impersonal face  
 252 towards a person whose life has been disrupted and who may need guidance in managing a  
 253 new life situation. We also see how often the SAW/RTW process is both openly and  
 254 surreptitiously distorted by other interests. As a result, the disability benefits system too  
 255 often:

- 256 • fails to provide non-financial support to people who need help because their life has  
 257 been disrupted by illness or injury
- 258 • fails to help people adapt or understand the course of their illness and their future life  
 259 options, and defeats what would otherwise be a successful medical result

- 260 • wastes resources on people who do not need them
- 261 • causes people to refocus their lives and adopt a new identity as a disabled person,
- 262 resulting in society's loss of potentially productive members.

263 As physicians our fundamental precept is “first, do no harm.” Because we see harm  
 264 occurring in this arena, with physicians as unwilling or unwitting participants, we feel  
 265 compelled to speak. We also see how disability programs affect costs, productivity, and the  
 266 competitive viability of companies and states as well as national economies. An ineffective  
 267 SAW/RTW process causes damage at many levels.

268 We are in agreement that the word needs to be spread: work disability is potentially  
 269 preventable, there are good ways to prevent it, and collaboration across professional  
 270 boundaries is part of the solution. In this paper we are speaking to policymakers, legislators,  
 271 and regulators, to business and industry, to insurers and other payers, to lawyers, organized  
 272 labor and working people directly, in addition to all our colleagues in medicine and the other  
 273 healthcare professions. As more and more people come to see things from this perspective,  
 274 creative efforts to address the major issues will become possible.

275 Some employers, insurers, healthcare providers and employees achieve better-than-  
 276 expected outcomes under difficult circumstances, and some deliver better-than-usual  
 277 program or system results. Their success stories are the proof that much disability is  
 278 preventable. They can serve as models for others to follow. In most instances, a simple  
 279 formula of kindness, straightforward communication, common sense practicality, and good  
 280 management is all that is required to make the system work better and achieve better  
 281 outcomes for all.

282 In summary, the results produced by the SAW/RTW process have a profound impact on the  
 283 overall health and well-being of our patients, and also their families, employers, communities,  
 284 and ultimately society as a whole. It determines whether people stay engaged in or withdraw  
 285 from work and all the consequences that derive from that decision. However, the SAW/RTW  
 286 process has been hidden amidst all the complex technical, financial, and legal details of  
 287 multiple disability benefit programs. This little-studied and under-resourced process has  
 288 enormous personal and economic consequences for the lives of millions and for American  
 289 society, and deserves attention in its own right.

## 290 **WHAT IS THE STAY-AT-WORK / RETURN-TO-WORK (SAW/RTW)** 291 **PROCESS?**

292 At its heart, the stay-at-work / return-to-work process is a very common, everyday process.  
 293 Every working person who wakes up with a cold or a backache has to decide whether to go  
 294 to work, and if the answer is yes, how to get through the day. Let's walk through the usual  
 295 steps in this process by considering the simple case of a worker named Tom.

- 296 1. The SAW/RTW process is triggered whenever a medical condition arises or another  
 297 precipitating event occurs, and the question arises whether the worker can or should  
 298 do his usual job today. *In Tom's case, he woke up with a badly infected cut on his*  
 299 *foot.*
- 300 2. The worker's current ability to work is assessed on three important dimensions, either  
 301 formally or informally:

302 • Functional capacity – what can he do today? *Has Tom's infection made him so*  
 303 *sick he simply can't function at all and has to be in bed? If not, what can he do in*  
 304 *his current condition?*

305 • Functional impairments or limitations – what can't the worker do now that he  
 306 normally can? *In Tom's case, the acute pain he is experiencing means he is too*  
 307 *uncomfortable to wear his normal shoes and do any activities that require him to*  
 308 *be on his feet – prolonged standing, walking, jumping, etc.*

309 • Medically-based restrictions – what he should not do lest specific medical harm  
 310 occur? *In Tom's case, would walking, standing, and being on his feet all day*  
 311 *actually worsen the infection or delay healing?*

312 3. The next question is whether the worker's temporarily-altered capacities, limitations,  
 313 and restrictions are sufficient to perform the tasks required by his job.

314 • In order to answer this question, the functional demands of the job must be  
 315 known. Functional demands include the knowledge, skills, and abilities –  
 316 physical, cognitive and social – required to perform a job. *In our case example,*  
 317 *Tom already knows what it takes to do his usual job.*

318 4. The last question is what must occur in order for the situation to be resolved and the  
 319 worker actually go to work?

320 • If it is clear that the worker can be safe and comfortable doing his usual job, or if  
 321 he can make any necessary modifications himself, he simply goes to work. *In*  
 322 *Tom's case, that is what he decided to do, since he works at a desk all day and*  
 323 *can keep his foot elevated on a chair.*

324 • However, there may be legal requirements, company policies, or concerns about  
 325 the safety of co-workers, the public, or the business that will affect what happens.  
 326 Examples of medical qualification standards include those for airline pilots, truck  
 327 drivers, school bus drivers, crane operators, scuba divers, and the like. Examples  
 328 of company policies include performance standards especially for those with  
 329 customer or public contact, fiduciary responsibilities, or executive authority.

330 • If a temporary alternative task or job is possible but would require the cooperation  
 331 of others, it has to be arranged and implemented.

332 • If a satisfactory temporary arrangement is made available, the worker  
 333 goes to work.

334 • If not, the worker remains out of work until something changes: his  
 335 condition (and thus his functional capacities, restrictions, and limitations),  
 336 the available options for working under those conditions, or the motivation  
 337 to find a solution to achieve return-to-work.

338 Usually all these steps are completed in an instant because most medical conditions are  
 339 minor, the job doesn't put too much demands on the impaired body part or function, and the  
 340 worker is willing to go to work.

341 But sometimes the situation cannot be acceptably resolved on the first pass, and additional  
 342 steps are required. At this stage, the SAW/RTW process evolves into a de facto negotiation

343 between the employee (and his advisors) and the employer (and its advisors) about whether  
344 the employee will be able to come back to work.

345 The SAW/RTW process is often *iterative* – meaning that finding a solution may take more  
346 than one try, and may even require going over the same ground several times as the  
347 situation escalates. Steps 2 through 4 above may need to be repeated at each level. During  
348 each repetition, more participants tend to become involved, and progressively more opinions,  
349 data, resources and time are required in order to figure out what to do.

350 Escalation Level #0: Tom goes through the process in his mind in an informal way. It will  
351 simply seem like he is deciding whether he should go to work or not. He will take cues  
352 from those around him – his doctor, supervisors, and friends – and will be influenced by  
353 his own realistic and unrealistic fears, motives, and life history. His thinking will also be  
354 constrained by his current personal life situation.

355 Escalation Level #1: If Tom decides he can't work or is unsure what to do, his supervisor,  
356 the claims adjuster and / or his doctor get involved. The employer may be asked to send  
357 the doctor a job description or list of tasks. The doctor may be asked to provide  
358 information about Tom's medical restrictions or his work capacity. The employer then  
359 decides whether or not it is able to (or will) provide transitional work that matches what  
360 Tom can do.

361 Escalation Levels #2 and 3: In more difficult situations, successive passes add progressively  
362 more participants and more specialized assistance: a nurse case manager, a physical  
363 therapist, the employer or insurer's medical consultant, an occupational medicine  
364 physician, an independent medical examiner, a vocational rehabilitation consultant, union  
365 representatives, lawyers, and / or other experts. Functional capacity evaluations may be  
366 done to document work capacity. Job analyses including ergonomic measurements and  
367 even video photography may be done to document the nature of the job demands. With  
368 each pass, the time and money consumed increases along with the amount of  
369 information assembled. Because there is usually no one in charge and the participants  
370 have not agreed on the goal of finding an optimal resolution to the situation, the additional  
371 effort and resources often have a paradoxical effect: clouding the situation rather than  
372 clarifying it, obscuring basic issues, causing confusion, hardening positions and  
373 polarizing the participants.

374 Table 1 displays the escalation levels of the SAW/RTW process, moving from simplest to  
375 most complex. In reality, the process often occurs as a ragged continuum rather than a  
376 structured series of rounds. As soon as there is a definitive answer – the worker returns to  
377 work or it becomes clear that will never happen – the process stops. Every time the process  
378 reaches the end without a definitive answer, we go back to the beginning – but the  
379 complexity goes up: the number of participants increases, more detailed data is used as the  
380 basis for decision-making, and the formality of the resolution process increases dramatically.  
381 However, the three basic issues that need factual answers always remain the same:

- 382 • What are the worker's current work capacity, medical restrictions, and functional  
383 limitations?
- 384 • What are the functional demands of the intended job?
- 385 • If the workers' functional capacity is adequate to meet the functional demands, what  
386 is required to make an actual return to work happen?

<p align="center"><b>Table 1</b>  <b>The Stay at Work / Return to Work Process</b>  <b>Begins Simply But Can Become Very Complex</b></p>				
<p align="center"><i>The SAW/RTW process is triggered whenever a precipitating event, usually health-related, raises the question whether a worker can or should remain at work.</i></p>				
Escalation Level #	Who is involved?	How is current work capacity determined?	How are job demands determined (both usual job and alternatives)?	What triggers the actual return to work?
0	<ul style="list-style-type: none"> <li>• Worker</li> </ul>	<ul style="list-style-type: none"> <li>• Personal knowledge</li> </ul>	<ul style="list-style-type: none"> <li>• Personal knowledge</li> </ul>	<ul style="list-style-type: none"> <li>• Personal decision</li> </ul>
1	<ul style="list-style-type: none"> <li>• Worker and Supervisor</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion</li> </ul>
	<ul style="list-style-type: none"> <li>• Worker and Doctor</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion</li> <li>• RTW note by MD</li> </ul>	<ul style="list-style-type: none"> <li>• Verbal description of usual job</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion</li> </ul>
2	<ul style="list-style-type: none"> <li>• Worker</li> <li>• Doctor</li> <li>• Claims Adjuster / Case Manager</li> </ul>	<ul style="list-style-type: none"> <li>• Formal inquiry</li> <li>• Simple physical capacities form completed by MD</li> </ul>	<ul style="list-style-type: none"> <li>• List of functional demands for job</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion</li> </ul>
3	<ul style="list-style-type: none"> <li>• Worker</li> <li>• Doctor</li> <li>• Claims Adjuster / Case Manager</li> <li>• Physical Therapist</li> <li>• Ergonomist or Vocational Consultant</li> <li>• IME Examiner</li> <li>• Union Steward</li> <li>• Lawyer</li> </ul>	<ul style="list-style-type: none"> <li>• Objective testing</li> <li>• Functional Capacity Evaluation</li> <li>• Independent Medical Opinion</li> </ul>	<ul style="list-style-type: none"> <li>• Video of job</li> <li>• Ergonomic analysis of job</li> <li>• On-site workplace visit</li> </ul>	<ul style="list-style-type: none"> <li>• Written offer of employment</li> <li>• Formal return to work plan</li> <li>• Sign-off by all parties</li> </ul>

387

388 There is a lot of variability in medical conditions, and also a lot of variability in their impact on  
 389 work. Table 2 below shows examples of the wide range of circumstances under which the  
 390 SAW/RTW process is taking place.

391

<b>Table 2</b> <b>Examples of the Variability of Medical Conditions and Their Impact on Work</b>				
Medical Condition	“A Cold” or Acute Food Poisoning	Sprained Ankle or Influenza or Asthma Attack	Femur Fracture or Abdominal Surgery or Treatable Cancer or Major Depression	Bipolar Disorder or Multiple Sclerosis or Congestive Heart Failure
Length of time away from work	None / Days	Days	Weeks	Weeks / Months
Biological Impairment	Trivial Isolated episodes	Minor Isolated episode	Moderate Isolated episode May recur	Moderate /Severe Chronic / Recurring May be progressive
Medical care required	None	Single provider 1-2 visits	Several providers Several curative visits / service Relapse prevention may be necessary s	Multiple providers On-going services Relapse prevention is required
Likelihood of full resolution	Always	Always	Usually Some residual impairment is possible	Unlikely Fluctuation in functional ability is common
Time course of the illness / condition	Days	Days	Weeks	Months / Years
Career Impact	None	Irrelevant	Significant temporary impact (Residual but stable permanent impairment may affect ability to perform essential job functions)	Progressive impairment often affects ability to perform essential job functions long term
Number of other professionals involved	0-1	0 - 2	0 - 3	Multiple
SAW/RTW information exchanges required	0-1	0 - 1	0 - 3	Multiple

392

393 The SAW/RTW process does not occur in isolation. It is closely tied to but distinct from four  
394 other important, related processes:

- 395 • Perhaps most importantly, the injured or ill worker is engaged in a **personal**  
396 **adjustment process**, dealing with the disrupted life situation around the illness or  
397 injury. Getting sick or hurt suddenly disturbs the equilibrium that life was in before  
398 the change occurred. Often workers are dealing simultaneously with a mixture of



399 things in different dimensions: physical, logistical, financial, emotional, social, and  
 400 psychological. Virtually everyone has to cope with at least some transient disruption  
 401 even though some medical conditions are so minor there is little objective impact to  
 402 cope with. However, not everyone has the same resilience and level of coping skill,  
 403 so some people find it hard to adjust to things that others barely notice.

404 • If the medical situation calls for treatment, the SAW/RTW process occurs in parallel  
 405 with the **medical care process** that consists of diagnosis and treatment.

406 • If the initial SAW/RTW process results in the worker staying at home and if there is a  
 407 possibility of coverage under one or more disability benefit programs (sometimes  
 408 there is not), the **benefits administration process** will begin, and will operate in  
 409 parallel with SAW/RTW. Benefits administration may include initial and ongoing  
 410 eligibility and compensability investigation and determination, benefit calculations and  
 411 payments, and benefit termination, among other activities.

412 • If a permanent or long-lasting alteration of work capacity occurs, the **ADA**  
 413 **“reasonable accommodation” process** will probably be triggered. It will operate in  
 414 parallel with SAW/RTW, and if ADA is determined to apply, will heavily influence what  
 415 occurs in SAW/RTW.

416 These four other processes (summarized in Table 3 below) involve many of the same  
 417 participants as SAW/RTW, but exist to address different questions, employ different  
 418 activities, and have different end-points.

419 The first process – personal adjustment, which is the natural human response to injury and  
 420 illness – is neither explicitly acknowledged nor addressed in any of the other processes.  
 421 Ironically, unresolved issues in the poorly-known personal adjustment process often foul up  
 422 all four of the other processes. The failure to attend to the human needs of people who are  
 423 normal but lack the resilience and coping skills required by their circumstances probably  
 424 accounts for much of the system dysfunction we are discussing.

425 The other three processes – medical treatment, benefit administration, and ADA reasonable  
 426 accommodation – have each received much more attention than SAW/RTW. Each has a  
 427 coherent body of strong advocates with an interest in improving their process and advancing  
 428 their agendas. The SAW/RTW process has been overlooked because so much attention is  
 429 focused on the other well-known processes, and because of a longstanding but incorrect  
 430 assumption that if the medical condition is promptly and properly treated, the worker will  
 431 naturally return to work.

432 The SAW/RTW process deserves more attention in its own right. Those whose interest  
 433 centers in another process need to become more attuned to and supportive of the  
 434 SAW/RTW process because of its potential impact on their area.

435

<p align="center"><b>Table 3</b>  <b>Five Parallel Processes Triggered By</b>  <b>A Health Event That Affects Ability To Function</b></p>					
	<b>Personal Adjustment Process</b>	<b>SAW/RTW Process</b>	<b>Medical Care Process</b>	<b>Disability Benefits Administration Process</b>	<b>ADA Reasonable Accommodations Process</b>
<b>Fundamental Issues</b>	<ul style="list-style-type: none"> <li>Dealing with life disruption:                             <ul style="list-style-type: none"> <li>physical</li> <li>logistical</li> <li>financial</li> <li>emotional</li> <li>social</li> <li>psychological</li> </ul> </li> <li>Can I cope with this life challenge?</li> <li>Am I healthy or sick?</li> <li>Am I in charge here?</li> <li>What does this mean for my future?</li> </ul>	<ul style="list-style-type: none"> <li>Will this person recover on the job?</li> <li>When is it medically safe to resume normal activity?</li> <li>What adjustments to the usual job will be required &amp; for how long?</li> <li>Will this person ever return to the same job / employer / vocation?</li> </ul>	<ul style="list-style-type: none"> <li>What is the diagnosis &amp; prognosis?</li> <li>Is this curable or treatable?</li> <li>What treatment is warranted?</li> </ul>	<ul style="list-style-type: none"> <li>Does this episode qualify under the rules of our plan?</li> <li>Is this person eligible for benefits?</li> <li>How much benefit is due?</li> <li>Is there any evidence of benefit fraud?</li> </ul>	<ul style="list-style-type: none"> <li>Will this change in work capacity be longstanding?</li> <li>Does this person qualify for protection under the ADA law?</li> <li>Is there an accommodation that can make full productivity possible? Is it "reasonable"?</li> </ul>
<b>Participants (Leader is in italics)</b>	<ul style="list-style-type: none"> <li><i>Employee</i></li> </ul>	<ul style="list-style-type: none"> <li><i>Employer</i></li> <li><i>Employee</i></li> <li><i>Treating Clinician</i></li> <li>Benefit or claims agent</li> </ul>	<ul style="list-style-type: none"> <li><i>Treating Clinician</i></li> <li>Employee</li> </ul>	<ul style="list-style-type: none"> <li><i>Benefit or claims agent</i></li> <li>Employee</li> <li>Healthcare provider</li> </ul>	<ul style="list-style-type: none"> <li><i>Employee</i></li> <li><i>Employer</i></li> </ul>
<b>Activities</b>	<ul style="list-style-type: none"> <li>Thinking</li> <li>Feeling</li> <li>Reacting</li> <li>Talking</li> <li>Coping</li> <li>Adapting</li> </ul>	<ul style="list-style-type: none"> <li>(See Table I)</li> <li>Fact-finding</li> <li>Negotiation</li> <li>Making arrangements</li> </ul>	<ul style="list-style-type: none"> <li>Delivery of medical care services</li> </ul>	<ul style="list-style-type: none"> <li>Fact-finding</li> <li>Data-gathering</li> <li>Claim processing</li> <li>Calculation</li> </ul>	<ul style="list-style-type: none"> <li>Fact-finding</li> <li>Data-gathering</li> <li>Negotiations</li> </ul>
<b>Results</b>	<ul style="list-style-type: none"> <li>Interpretation</li> <li>Decisions / strategies</li> <li>Possible change in self-concept (identity)</li> </ul>	<ul style="list-style-type: none"> <li>Staying home</li> <li>Staying at work</li> <li>Going back to work</li> <li>New job</li> </ul>	<ul style="list-style-type: none"> <li>Healing</li> <li>Resolution of symptoms</li> <li>Failure to improve</li> <li>Monitoring</li> </ul>	<ul style="list-style-type: none"> <li>Benefit decisions and exchange of money</li> <li>Claim closure</li> </ul>	<ul style="list-style-type: none"> <li>Employment decision</li> </ul>

436 Below is an example that illustrates the circumstances that lead to optimal versus sub-  
 437 optimal outcomes, using the cases of two fictitious but typical men with identical medical  
 438 conditions and treatment. Mr. A. and Mr. B. both had back problems severe enough to  
 439 require surgery, but Mr. B. returns to work in 6 weeks while Mr. A. ends up on permanent  
 440 disability. Mr. A. was not supported through his personal adjustment process and the  
 441 workplace environment did not support functional recovery.

### Mr. A.

### Mr. B.

<ul style="list-style-type: none"> <li>• Mediocre work history</li> <li>• Bad back, herniated disc</li> <li>• Treatment: surgery</li> <li>• Supervisor never called: "Let George do it"</li> <li>• Weak supervisor</li> <li>• Teasing by co-workers</li> <li>• Naïve doctor: "Stay home until you're able to do your job."</li> <li>• PERMANENT DISABILITY</li> </ul>	<ul style="list-style-type: none"> <li>• Mediocre work history</li> <li>• Bad back, herniated disc</li> <li>• Treatment: surgery</li> <li>• Supervisor kept in touch: "We need you"</li> <li>• Good supervisor</li> <li>• Support from co-workers</li> <li>• Function-oriented MD: "Stay as active as possible."</li> <li>• On-the-job recovery; adaptive equipment</li> <li>• BACK TO WORK IN 6 WEEKS</li> </ul>
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442

## 443 **OBSERVATIONS AND RECOMMENDATIONS**

444 The first half of this paper describes the SAW/RTW process, how it works, and how it is  
 445 related to the other processes that often are running in parallel with it. The second half of the  
 446 paper describes our observations and recommendations, which are divided into 16 sections.  
 447 Each section begins with a specific recommendation concerning a single feature or aspect of  
 448 the process. The 16 sections are grouped under four general recommendations:

- 449 I. Adopt a disability prevention model.
- 450 II. Address behavioral and circumstantial realities that create and prolong work  
451 disability.
- 452 III. Acknowledge the powerful contribution that motivation makes to outcomes and  
453 make changes that improve incentive alignment.
- 454 IV. Invest in system and infrastructure improvements.

455 For each of the 16 specific recommendations, we describe how the status quo currently  
 456 interferes with achieving optimal outcomes, discuss the reasoning for our recommendation,  
 457 and make suggestions for ways to implement the recommendations. Where available and as  
 458 space permits, we give concrete examples of improvement initiatives underway or programs

459 getting better-than-average results by using best practices. Note that many of the issues and  
460 suggested solutions are interrelated, so there is some duplication and overlap in the text.

461 During the development of this white paper, a number of the issues raised were agreed to be  
462 important but applicable only to specific sub-segments of the overall disability benefits  
463 system – e.g. particular industries, benefit programs, labor arrangements, medical  
464 conditions, patient types, job types. We decided to exclude those narrower issues from this  
465 first paper, and only include those aspects of the SAW/RTW process that are pervasive,  
466 applying across most or all of the various disability systems. The deferred issues are still  
467 important and should be discussed and addressed at some future time.

468

## 469 **I. ADOPT A DISABILITY PREVENTION MODEL**

### 470 **1. Increase Awareness of How Rarely Work Disability is Medically-REQUIRED**

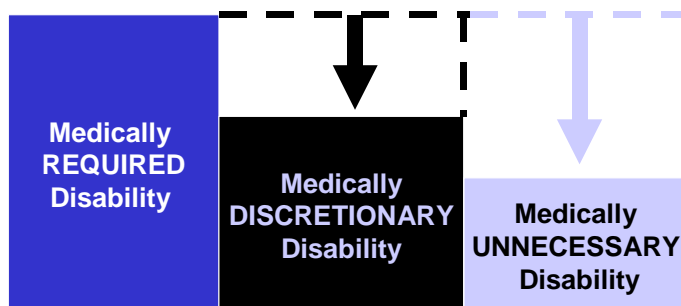
471 At least one formal survey and numerous informal polls of treating physicians consistently  
472 estimate that only a small fraction of medically excused days off work are medically *required*  
473 – meaning that all work of any kind is medically contraindicated. The rest of the days off  
474 work are caused by a variety of non-medical factors such as administrative delays of  
475 treatment and specialty referral, lack of transitional work, ineffective communications, lax  
476 management, logistical problems, and so on. These days off work are discretionary – the  
477 result of decisions that are fundamentally non-medical – or just plain unnecessary.

478 Participants in the disability benefits system seem largely unaware that so much disability is  
479 not medically required. Absence from work is “excused” and benefits are generally awarded  
480 based on a doctor's signature on a letter or form confirming that a medical condition exists,  
481 implying that a diagnosis creates disability. However, from a strictly medical point of view,  
482 people can generally work at something productive as soon as there is no specific medical  
483 contraindication to them being out of bed and back out in the “real” world. (See Table 4  
484 below.)

485 The key question is: work doing what? Many obstacles that look like they are medical are  
486 really situation-specific. For example, an employee with a cast on the right foot cannot drive  
487 a forklift, but that worker could do a lot of other potentially useful tasks until the cast comes  
488 off. Someone who has had recent surgery may not be able to work a full day in the office  
489 yet, but could come back half days or do some work at home.

490 In fact, people often end up sitting at home collecting benefits because their employers have  
491 made the discretionary business decision not to take advantage of their available work  
492 capacity. Today, these decisions are generally misclassified as “medical” and so are not  
493 examined. Sometimes those discretionary decisions make good business sense, but often  
494 they do not for reasons that will be discussed in more detail later in this report.

## Disability Prevention = Reduce Needless Disability



495

496 As shown in the figure above, there is much more opportunity to reduce medically-  
497 discretionary and medically-unnecessary disability than there is to prevent medically-required  
498 disability. Although it is unlikely that all of the discretionary and unnecessary disability can  
499 be prevented, substantial reductions are possible.

500 Recommendation: Stop assuming that absence from work is medically-required, and that  
501 correct medical diagnosis and treatment are the only ways to reduce disability. Pay attention  
502 to the non-medical causes that underlie discretionary and unnecessary disability. Reduce  
503 discretionary disability by increasing the likelihood that employers will provide on-the-job  
504 recovery. Reduce unnecessary disability by removing administrative delays and  
505 bureaucratic obstacles, strengthening flabby management, and by following other  
506 recommendations in this report. Participants should be educated about the nature and  
507 extent of preventable disability. Employers in particular should be educated about their  
508 powerful role in determining SAW/RTW results.

509 Current Initiatives and Best Practices: Clinicians, employers, and insurers can all now use  
510 the criteria in Table 4 below to determine whether disability is medically-required,  
511 discretionary or unnecessary. The definitions in Table 4 come from Chapter 5, the disability  
512 prevention and management chapter, in the 2<sup>nd</sup> edition of the ACOEM Practice Guidelines. If  
513 all parties begin using these definitions, clearer communication and better decision-making  
514 will result. In particular, physicians will no longer be asked to make employment decisions,  
515 and employers will stop misclassifying business decisions as medical ones.

516

516

<p align="center"><b>Table 4</b></p> <p align="center"><b>When is Disability Medically-Required, Medically-Discretionary and Medically-Unnecessary?</b></p> <p align="center">(Source: ACOEM Practice Guidelines, 2<sup>nd</sup> edition, Chapter 5, Cornerstones of Disability Prevention and Management, pp 80-82)</p>		
<b>Medically-Required</b>	<b>Medically-Discretionary</b>	<b>Medically-Unnecessary</b>
<p>Typically, absence is medically required when:</p> <ul style="list-style-type: none"> <li>• Attendance is required at a place of care (hospital, doctor's office, physical therapy).</li> <li>• Recovery (or quarantine) requires confinement to bed or home.</li> <li>• Being in the workplace or traveling to work is medically contraindicated (poses a specific hazard to the public, coworkers, or to the worker personally, i.e., risks damage to tissues or delays healing).</li> </ul>	<p>Medically-discretionary disability is time away from work at the discretion of a patient or employer that is:</p> <ul style="list-style-type: none"> <li>• Associated with a diagnosable medical condition that may have created some functional impairment but left other functional abilities still intact.</li> <li>• Most commonly due to a patient's or employer's decision not to make the extra effort required to find a way for the patient to stay at work during illness or recovery.</li> </ul>	<p>Medically-unnecessary disability occurs whenever a person stays away from work because of non-medical issues such as:</p> <ul style="list-style-type: none"> <li>• The perception that a diagnosis alone (without demonstrable functional impairment) justifies work absence.</li> <li>• Other problems that masquerade as medical issues, e.g., job dissatisfaction, anger, fear, or other psychosocial factors.</li> <li>• Poor information flow or inadequate communications.</li> <li>• Administrative or procedural delay .</li> </ul>

517

**518 2. Urgency is Required Because Prolonged Time Away From Work is Harmful**

519 Unnecessary prolonged absence from work can cause needless but significant harm to well-  
 520 being. While on extended disability, many patients lose their footing in three major  
 521 dimensions: they lose social relationships with co-workers, lose the self-respect that comes  
 522 from earning a living, and lose a major identity component for most people – what they do for  
 523 a living.

524 As treating physicians, we have often seen patients voluntarily and unnecessarily take on a  
 525 new identity as a disabled person. This is sad for us to watch, since our patients' quality of  
 526 life deteriorates significantly as a result.

527 Taking a few days off work may seem harmless enough, and most of us occasionally take  
 528 advantage of a cold or a sore back to get a needed break from stressful or boring work. The  
 529 problem is that for some people, a few days off stretches out and becomes needlessly  
 530 extended disability and leads to significant harm. The quandary is how to tell in advance  
 531 whose life will go that way and whose will not. Experienced disability claims handlers report  
 532 that more than three-quarters of their most problematic cases started out as seemingly-minor  
 533 problems.

534 Some may argue that it is not worth trying to prevent unnecessary disability in all cases  
535 because it will only lead to harm in some. However, there are good examples where as a  
536 society we endorse universal prevention activities under similar circumstances. Not every  
537 smoker will get lung cancer, not every driver who fails to wear a seatbelt will be injured as a  
538 result, and not every worker who flaunts safety rules will get hurt. But, we still tell everyone  
539 to stop smoking, wear seatbelts, and follow safety rules. Needless disability should be  
540 treated in the same way.

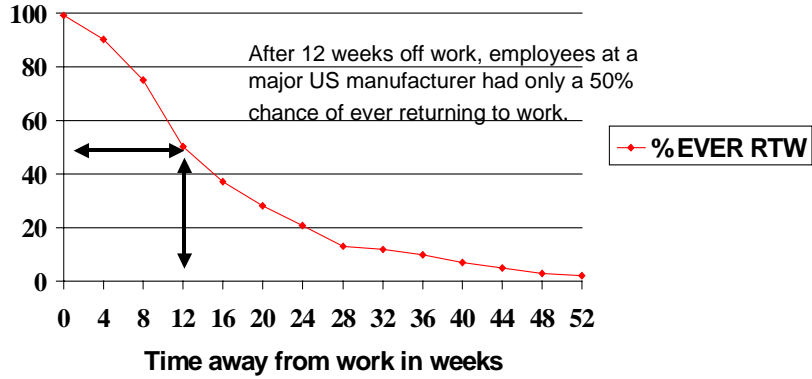
541 Many of the key players in the SAW/RTW process (patients/workers, their employers,  
542 physicians and claims administrators) are not sufficiently aware of the potential harmful  
543 effects of prolonged medically excused time away from work. Many think that being away  
544 from work reduces stress or allows healing. Many think getting disability benefits is just an  
545 administrative or financial issue, and they simply don't consider the fact that the worker's  
546 daily life has been disrupted. With these attitudes, iatrogenic or system-induced disability  
547 becomes a significant risk.

548 A recent article by Harris et al in the Journal of the American Medical Association has  
549 confirmed again what we doctors have known for years: people who are receiving disability  
550 benefits of some kind recover less quickly and have poorer clinical outcomes than those with  
551 the same medical conditions but who are not receiving disability benefits. The Harris study  
552 was a meta-analysis of all studies with data on surgical outcomes by compensation status.  
553 The researchers reported that 175 out of the 211 studies that met their inclusion criteria  
554 reported worse surgical outcomes for the patients on workers' compensation or in litigation.  
555 (Only one study reported better outcomes in compensated patients, and 35 studies reported  
556 no difference.) In the 86 studies where patients in litigation were excluded, the odds of an  
557 unsatisfactory outcome were more than three and a half times higher for the patients on  
558 workers' compensation than for those not receiving compensation. These are similar to  
559 findings of multiple other studies, including two previous meta-analyses of studies of  
560 outcomes, one for workers with chronic pain and the other for closed-head injuries.

561 The current practice of focusing disability management effort on those who have already  
562 been out of work a long time is rarely successful. After months of providing "proof of  
563 disability" and regular doctor's notes to justify their on-going compensation, these individuals  
564 have usually revised their view of themselves and taken on a new identity as disabled. This  
565 new identity justifies their life style and protects their financial security. In the meantime, the  
566 employer has moved on and filled that person's job slot, and no longer sees the individual as  
567 one of their workers.

568 The key to preventing disability is intervening while the situation is still fresh and fluid.  
569 Research has confirmed that people who never lose time from work have better outcomes  
570 than people who lose some time from work. Several studies confirm that the odds of  
571 returning to work drop with every passing day not at work. Some studies have shown that  
572 the odds for return to work to full employment drop to 50-50 by the time 6 months of absence  
573 has occurred. Even less encouraging is the study behind Figure 1, showing the decay curve  
574 for workers' compensation cases at a major US manufacturer. In this population, the odds of  
575 a worker ever returning to work had dropped to 50% by just the 12<sup>th</sup> week. The author of a  
576 recent meta-analysis of research on the factors that predict prolonged disability reported that  
577 the window of opportunity for successful intervention may be as short as 6 weeks.

# Time Is Of The Essence



578

579 Recommendations: Shift the focus and shorten the response time. The way that all of us  
 580 think about disability needs to shift from “managing” it to “preventing” it. Disability benefits  
 581 systems need to be revamped to reflect the reality that resolving disability episodes is an  
 582 urgent matter because the window of opportunity to re-normalize life is short. Emphasis  
 583 needs to be placed on preventing or immediately ending unnecessary time away from work  
 584 for everyone, because that will prevent the development of the disabled mindset. An  
 585 educational campaign supporting this position needs to be formulated and widely  
 586 disseminated. The SAW/RTW process needs to incorporate mechanisms to ensure  
 587 withdrawal from work is prevented whenever possible, and its effects minimized when not.

588 On the individual level, all treating physicians, along with the other healthcare professionals  
 589 on the healthcare team, should keep all of their patients’ lives as normal as possible during  
 590 illness and recovery, and establish as a universal goal of treatment the fastest possible  
 591 return to function and resumption of the fullest possible participation in life.

592 Current Initiatives and Best Practices: Many employers and some insurers now begin return  
 593 to work efforts within 72 hours and some now begin on the day of injury -- rather than the  
 594 more traditional approach of waiting to intervene until after 90 days of work disability. One  
 595 large workers’ compensation insurer has a group of “pre-injury consultants” who work with  
 596 employers to set up plans and systems beforehand so that they are prepared to respond  
 597 promptly to avert needless lost work days from the moment of injury.

598 Attempts are also underway in several quarters to detect workers with pre-existing risk  
 599 factors for prolonged disability and then manage those cases more intensively right from the  
 600 onset. Dr. Alan Colledge (among the authors of this paper) and some colleagues developed  
 601 and published a Disability Apgar test, in which a few features of a situation are evaluated and  
 602 then a risk score can be assigned. The State Fund of California has recently completed a  
 603 pilot of a program that assesses risk factors at claim intake and makes suggestions for claim  
 604 management. A workers’ compensation insurer in the Australian Northern Territory uses a  
 605 situation assessment tool at claim intake and revisits it at intervals, in order to speed  
 606 detection (and intervention) on claims that have signs of delayed recovery.



607 **II. ADDRESS BEHAVIORAL AND CIRCUMSTANTIAL REALITIES THAT CREATE AND**  
608 **PROLONG WORK DISABILITY**

609 **3. People's Normal Human Reactions Need to Be Acknowledged and Dealt With**

610 In order to return to work, an injured or ill worker must navigate the Personal Adjustment  
611 Process described earlier in this paper. Most people accomplish this without problems. But  
612 for those who have difficulty handling that process on their own – coming up with a strategy  
613 for coping and adapting and reaching the decision to try to return to work – the other  
614 processes in the disability management system do a very poor job of providing assistance.

615 (Some of the issues to be addressed in the Personal Adjustment Process are practical or  
616 logistical – how to get to work, who will mow the lawn. The need for better assistance in  
617 resolving such problems is discussed in the next section.)

618 In this section, we focus on a different critical issue – the normal human response to upset  
619 and change, and the variability in our ability to cope and adapt. We are not talking about  
620 mental illnesses here, such as depression – though psychiatric conditions will be addressed  
621 in a later section. We are talking about normal human emotional reactions that are  
622 experienced to a greater or lesser degree by every person in these circumstances.

623 People who have been injured or become ill have had their life disrupted. Even a minor  
624 injury may seem like a big event to the person who is injured because it is out of the ordinary.  
625 People may suddenly find themselves in pain, upset, worried, dependent on strangers. They  
626 may suddenly feel uncertain or uneasy because they don't know where to turn for help, or  
627 what doctor to go to. They may be angry at the person who caused their injury, or  
628 embarrassed and mad at themselves for being careless or breaking a safety rule. They may  
629 be afraid that they will get in trouble, may need surgery, or may never be able to walk again,  
630 or that this will mean the end of their career. They may be worried about who is going to pick  
631 the kids up from the sitter. Most of the time, they also have to figure out how to deal with an  
632 unfamiliar bureaucracy and set of rules – the workers' comp or disability benefits system.

633 Other parties often contribute to the uncertainty involved. Employers and insurers often  
634 neglect to tell or intentionally choose not to tell injured or ill employees very much about how  
635 their disability benefit programs work, what to expect, and what they can do to make the  
636 process work smoothly. Doctors often do not tell their patients much about their condition –  
637 how it will affect their daily life and work, what the eventual outcome and options are likely to  
638 be, the expected timeline for treatment and recovery, and what they can do to achieve the  
639 best possible result.

640 These issues and uncertainties can be a lot to cope with, and many workers with a significant  
641 illness or injury experience it as a stressful predicament. According to the Holmes Stress  
642 Scale, most human beings would find it quite stressful to get sick or be injured, and also  
643 stressful to change jobs or work responsibilities. People who are absent from work due to  
644 illness or injury are contending with both kinds of stress simultaneously. Of course, the  
645 amount of stress felt by a specific individual in a specific situation will vary widely based on  
646 factors like the magnitude of the medical problem, the personal and family situation at the  
647 time, and the job situation.

648 According to the view of medical anthropologists, the patient takes on the Sick Role and the  
649 Dependent Patient Role after becoming ill or injured. In order to recover, these roles must be  
650 relinquished. Since the Sick Role carries with it exemption from normal responsibilities, the

651 right to receive care from others, and freedom from fault, it is a seductive role. Those who  
652 have trouble coping with their circumstances are very likely to resist relinquishing those roles,  
653 using them instead to feel good about themselves and ensure their future security.

654 A person's native ability to function and deal with life's problems varies from individual to  
655 individual, even without injury or illness involved. People under stress are less able to  
656 function well and have been shown to be more prone to illness or injury than those not under  
657 stress. If the demands of a situation exceed the individual's ability to cope under those  
658 circumstances and no assistance is provided, the Personal Adjustment Process will get  
659 stalled. Recovery and return to work will be delayed, needless loss of function occur, or  
660 permanent disability created.

661 In our experience, the current processes do not acknowledge these emotional realities. The  
662 medical care, benefit administration, and SAW/RTW processes do not powerfully and openly  
663 acknowledge the existence of these issues. Workers are typically left alone to cope  
664 regardless of their situation and their coping skills. Little empathy is provided to help bolster  
665 their strength and resilience. Little effort has been devoted to reducing uncertainty and other  
666 sources of stress. Individuals who are caught up in stress and complexity that they cannot  
667 handle by themselves are not identified. This is unfortunate because emotional adjustment  
668 has a profound effect on the largely discretionary effort at recovery made by the worker in the  
669 Personal Adjustment Process.

670 Even when emotional factors are recognized by today's participants in SAW/RTW, effective  
671 assistance is not usually available. In non-occupational disability, since medical treatment  
672 costs are not covered by the benefit program, there is generally no thought given to paying  
673 for supportive services that will aid recovery and return-to-work. In workers' compensation,  
674 claims adjusters are reluctant to acknowledge these issues and authorize care in the form of  
675 mental health services out of concern that it will lead to a claim for a psychological illness  
676 and drastically increased claim cost. In fact, though, most of these sick or injured people do  
677 not really need psychiatric care. They need the kind of simple education, minor supportive  
678 counseling, and reassurance that would normally be provided by a wise friend, a caring  
679 family member, a pro-active customer service department, a social worker, an employee  
680 assistance program, an ombudsman, or so on. Also, much uncertainty and stress would be  
681 removed if treating physicians were pragmatic and clear in pointing out the functional aspects  
682 of medical conditions, options, and time frames over the course of treatment, and actively  
683 empowered people to cope on their own.

684 Recommendations: All participants need to expand their model of SAW/RTW to include  
685 appropriate handling of the normal human emotional reactions that accompany temporary  
686 disability in order to prevent it becoming permanent. Payers need to devise methods to  
687 provide these services themselves or pay for reasonable aids to recovery along these lines.

688 Current Initiatives and Best Practices: Some US employers are creating linkages between  
689 their disability benefit programs (workers' compensation, short- and long-term disability) and  
690 their employee assistance programs (EAPs) and/or their disease management programs in  
691 order to assure that employees are made aware of the option to tap into existing support  
692 services. An insurance agency in New Jersey makes immediate solicitous inquiries after a  
693 work-related injury occurs to ensure that injured workers feel cared for and all their questions  
694 are answered.

#### 695 4. Investigate and Address Social and Workplace Realities

696 Research is steadily accumulating showing that the social realities of an individual's  
 697 connection to the workplace provide powerful predictors for the occurrence of injury and  
 698 illness as well as for the outcome of the SAW/RTW process. Does the worker like his job?  
 699 How much pressure and how much decision latitude does the employee have at work?  
 700 Does the worker get along with her supervisor? Is he perceived as a good employee? Does  
 701 the employer want her back? Do co-workers respect him, or instead cause him distress?  
 702 Has she had performance or discipline problems? Is the workplace a hostile or unsafe  
 703 environment? These factors can have a major impact on the parties' willingness to work  
 704 towards SAW/RTW, especially when coupled with the emotional adjustment issues raised in  
 705 the section above. The fact that job dissatisfaction has been shown to be one of the  
 706 strongest statistical predictors of disability underlines this point.

707 Home and family life may also pose problems for the worker entering the SAW/RTW process  
 708 – such as the need to care for aging parents or children, or logistical problems getting to and  
 709 from work. The worker may be tempted to resolve such problems by prolonging disability  
 710 benefits.

711 A similar but 180-degree opposite situation occurs when the family or personal situation  
 712 leads workers to insist on remaining at work when they medically should not. They may be  
 713 desperate for money, workaholic, or so identified with their work role that they want to hide  
 714 illness or incapacity and keep working even though it may harm them, pose a danger to co-  
 715 workers or the public, or put their employer in violation of the law.

716 Still another dimension of unacknowledged workplace realities is that employers are often  
 717 unwilling to admit they are unsure or ignorant of what to do. For example, it is much easier  
 718 for a supervisor to flatly refuse to provide temporary transitional work than to ask for help  
 719 because he doesn't know how to interpret the doctor's note, figure out appropriate tasks, and  
 720 manage the worker who will be performing that assignment.

721 Though many players in the SAW/RTW process acknowledge the importance of these  
 722 factors, little has been done to effectively address them in the SAW/RTW process. In fact, a  
 723 significant problem for SAW/RTW is that employers and workers alike often use the disability  
 724 benefit system as a way to sidestep difficult workplace issues. Typically these issues are  
 725 obvious to the employer and/or employee but not disclosed to the outside parties – the  
 726 doctor, the insurance adjuster – unless they exert significant effort to discover the underlying  
 727 truths. As a result, these facts are seldom acknowledged or discussed so interventions to  
 728 address the real issues are seldom attempted.

729 When key parties to the SAW/RTW process do not know what is really going on because  
 730 they are not privy to this "inside information," their effort expended on SAW/RTW will often be  
 731 misguided or futile. Resources and time are wasted.

732 Recommendations: The SAW/RTW process should routinely involve inquiry into and  
 733 articulation of workplace and social realities, since hidden issues rarely resolve themselves.  
 734 The bio-psycho-social model of disease currently on the ascendant in medicine takes into  
 735 account these issues. Better communication pathways between SAW/RTW parties should  
 736 be established. Screening instruments that flag situations where workplace and social  
 737 issues should be investigated or addressed should be developed and disseminated. Pilot  
 738 programs that explore the effectiveness of various interventions should be conducted.

739 Current Initiatives and Best Practices: An innovative program developed by David Brown,  
 740 among the authors of this paper, is now being used successfully by several employers and  
 741 insurers, particularly in Canada. It has as its centerpiece face-to-face conversations between  
 742 the employee and the first line supervisor in structured sessions conducted by a trained  
 743 facilitator. The focus of each session is “what part of your job can you do today?” All other  
 744 parties (human resources and benefits staff, doctors, unions, etc.) become resources and  
 745 advisors for the two key participants as they work towards a resolution of the situation.  
 746 Among the many other positive outcomes of this process have been substantial increases in  
 747 both employee and supervisor satisfaction with how potentially-disabling situations are being  
 748 handled – and a near-total demedicalization of the SAW/RTW process.

749 Pilot studies are underway or complete in British Columbia and Alberta, Scotland, and  
 750 Victoria (Australia) to intervene early in cases that are showing signs of delayed recovery.  
 751 Both the evaluation and the intervention consider dimensions other than the medical. Initial  
 752 results are very promising.

### 753 **5. Find a Way to Address Psychiatric Conditions Effectively**

754 A substantial minority of the population has undiagnosed / untreated psychiatric illness.  
 755 When a potentially disabling physical illness or injury occurs to a person with underlying  
 756 psychiatric illness, the risk of permanent disability increases unless the psychiatric problem is  
 757 treated. A clinically significant psychiatric disorder becomes symptomatic during a period of  
 758 serious medical illness in over 50% of cases, especially in those with a prior history of a  
 759 major psychiatric disorder. In addition, many more previously-undiagnosed workers are  
 760 vulnerable to developing their first frank episode of anxiety or depression when sick or  
 761 injured. In these cases, the physical illness or injury precipitates the psychiatric episode.

762 Mental health treatment is required for these cases because the mental condition  
 763 significantly affects the patient’s reaction to the illness, adherence to medical treatment, the  
 764 course of illness, its impact on function, and functional recovery from the physical condition.  
 765 For example, symptoms of depression often include pain, fatigue, poor sleep and apathy.  
 766 Poor sleep in turn increases sensitivity to pain. In short, psychiatric factors make a  
 767 significant contribution to the risk of permanent disability unless there is active and effective  
 768 treatment.

769 Psychiatric issues are usually undetected, ignored, or ineffectively addressed in the current  
 770 SAW/RTW process. As a result, many people “stuck” in the disability benefit system have  
 771 undiagnosed / untreated psychiatric conditions, experiencing the poor outcomes predicted in  
 772 the paragraphs above.

773 The reluctance of treating physicians to make a psychiatric diagnosis comes primarily from  
 774 lack of awareness and stigma. Patients often do not want these diagnoses.

775 Even when a psychiatric diagnosis is made, whether for a primary mental condition or one  
 776 that is accompanied by a physical ailment, treatment is often inadequate or inappropriate.  
 777 Limited benefits coverage and shortages of skilled mental health professionals often mean  
 778 that expert treatment is unavailable. And, although all healthcare professionals understand  
 779 the need to protect and foster role functioning in personal relationships, the similar  
 780 importance of role functioning at work is often overlooked. Faced with a patient who talks  
 781 about marital stress, few therapists would suggest a separation as the first step, but when a  
 782 patient describes stress due to difficulties at work, leaving work is often seen as the solution  
 783 rather than good faith attempts at conflict resolution and preservation of relationships.

784 There have been dramatic improvements in psychiatric diagnosis and the effectiveness of  
 785 treatment over the past 15 years. Some employers are well aware of the potential cost-  
 786 effectiveness of psychiatric treatments, but they also have spent considerable sums on  
 787 ineffective and expensive therapy. They correctly feel that many mental health providers do  
 788 not focus on functional recovery and continue overlong with treatments that have no  
 789 apparent objective benefit. Payers for their part have not conditioned access and payment  
 790 on providers' adherence to current treatment principles. Like other chronic conditions,  
 791 psychiatric disorders may intermittently require intensive early treatment of new episodes as  
 792 well as long-term low-level treatment for prevention of recurrence.

793 Recommendations: Effective means of acknowledging and treating psychiatric co-  
 794 morbidities need to be found and widely adopted. Participants in SAW/RTW need to be  
 795 educated about the interaction of psychiatric and physical problems, and be better prepared  
 796 to deal with it. Psychiatric assessments of people with slower-than-expected recoveries  
 797 should become routine. Whether for primary or secondary mental health conditions,  
 798 payment for psychiatric treatment should be made conditional on the use of evidence-based  
 799 and cost-effective treatments as well as demonstrated effectiveness.

800 Current Initiatives and Best Practices: An innovative program to make needed psychiatric  
 801 services available to injured workers has been pioneered by the Washington State  
 802 Department of Labor & Industries. This agency handles all the workers' compensation  
 803 claims and pays all the benefits on behalf of insured employers in the state. The Department  
 804 has made an agreement with the State Medical Association to pay for up to 90 days of  
 805 psychiatric treatment "as an aid to cure" of a physical work-related injury as long as the initial  
 806 evaluation, the treatment plan, and the ongoing progress notes meet certain specifications.  
 807 It is essential to show a clear connection between the diagnosis and specific barriers to  
 808 return to work, as well as a connection between the treatment plan and the removal of those  
 809 barriers. As long as progress is clearly documented in the ongoing treatment notes, payment  
 810 continues up to 90 days.

## 811 **6. Reduce Distortion of the Medical Treatment Process by Hidden Financial Agendas**

812 We often observe the medical treatment process being distorted by non-medical factors in  
 813 cases where the disability benefit system is involved. This most often takes the form of  
 814 patients seeking particular diagnoses or treatment pathways in order to obtain or maximize  
 815 benefits. (The specific approach taken will vary based on the details of the benefit plans  
 816 involved.) Another example of distortion occurs when employers or benefits claims  
 817 administrators ask precise questions and elicit particular language from naive physicians that  
 818 is subsequently used as the basis for benefit, claim, or employment determinations.

819 One cause is the complex and differing sets of rules for eligibility and benefit determination in  
 820 the various disability benefit programs. Since there are thousands of different disability  
 821 benefit plan designs, few doctors are ever able to accurately or clearly see the impact their  
 822 actions may have on a given patient's benefit payments, and where hidden agendas may lie.

823 Doctors are often aware, either explicitly or subliminally, when patients, employers or payers  
 824 make requests based on hidden agendas, and it makes them uncomfortable. But they  
 825 seldom have a clear understanding of what is at stake, do not want to take the time and  
 826 energy to become more informed, and do not want to risk offending their patient. Treating  
 827 clinicians often find it simplest to practice a version of "don't ask, don't tell" in these  
 828 situations, particularly because they will not be compensated for time spent learning more  
 829 about the situation.

830 Recommendations: Develop effective ways and best practices for dealing with these  
 831 situations. Treating clinicians should be trained what to do when they sense hidden  
 832 agendas. Employers and payers should educate the provider about financial aspects that  
 833 could distort the process. Procedures meant to ensure independence of medical caregivers  
 834 should not keep the doctor “above it all” and in the dark about the actual factors at work.  
 835 Limited and non-adversarial participation by impartial doctors may be helpful (for example,  
 836 ask an occupational medicine physician to brief the treating clinician).

837 Where possible, the differences between benefit programs that create incentives to distort  
 838 treatment should be reduced. Employers are in a better position to do this than other payers.  
 839 However, we understand that some differences exist for important reasons, and that little  
 840 change is likely to occur here.

841 Current Initiatives and Best Practices: Many employers are now examining their various  
 842 benefit programs to see how they dovetail with one another, and whether they create  
 843 unwanted incentives for employees to behave in a certain way. For example, some  
 844 employers have set up paid time off banks in lieu of sick leave in order to decrease abuse  
 845 and increase the predictability of employee absence. Others have redesigned their short-  
 846 term disability program benefits to more closely match the workers’ compensation benefit  
 847 and vice versa. An increasing number of employers who provide salary continuation or  
 848 short-term disability coverage are expanding their workers’ compensation return-to-work  
 849 programs to cover non-occupational conditions as well.

850

### 851 **III. ACKNOWLEDGE THE POWERFUL CONTRIBUTION THAT MOTIVATION MAKES TO** 852 **OUTCOMES AND MAKE CHANGES THAT IMPROVE INCENTIVE ALIGNMENT**

#### 853 **7. Pay Doctors For Disability Prevention Work to Increase Their Professional** 854 **Commitment to It**

855 Disability prevention and management takes both physician time and cognitive work; it  
 856 requires a lot more than just filling out a form. Yet doctors are seldom paid extra for  
 857 collaborating in the SAW/RTW process. This in part reflects reluctance of payers to pay for  
 858 these services, and in part is due to doctors not knowing how, or whether, to ask for  
 859 payment. In either case, the doctor is prone to presume this work is unimportant because it  
 860 has no market value, and give it low priority. For routine cases this has only minor impact.  
 861 In more complex situations that could benefit from the doctor's initiative or active  
 862 participation, the monetary disincentive reflected by lack of payment often deters the doctor  
 863 from responding quickly or making the extra effort, often delaying SAW/RTW.

864 Since most doctors don’t consider disability prevention their responsibility, their passivity  
 865 does not represent a failure to carry out their perceived duty. Although employers and  
 866 insurers may assert that disability management should be included in the price of the medical  
 867 visit, those words have little impact on physician behavior.

868 Recommendation: Develop ways to compensate physicians for the cognitive work and time  
 869 spent on evaluating patients and providing needed information to employer and insurers, and  
 870 on resolving SAW/RTW issues. A draft design for new multi-level CPT codes for disability  
 871 management proposed by the ACOEM Coding Committee reveals the variety and extent of  
 872 the intellectual work that physicians must do in performing this task. Simple adoption of a  
 873 new CPT code (and payment schema) for functional assessment and triage of patients could  
 874 achieve similar goals. Payers may be understandably reluctant to pay all doctors new fees

875 for disability management because of reasonable concerns about billing abuses -- extra  
 876 costs without improvement in outcomes. We recommend that the ability to bill for these  
 877 services be a privilege, not a right, for providers, and that the privilege be contingent on  
 878 completion of training and an on-going pattern of evidence-based care and good faith effort  
 879 at achieving optimal functional outcomes.

#### 880 Current Initiatives and Best Practices:

881 ○ An innovative operation in Victoria and New South Wales, Australia, builds working  
 882 relationships between selected local providers and employers. Instead of contracting for  
 883 discounted fees, the employer customers agree to pay full fees in exchange for the  
 884 selected providers' agreement to learn about the employer's programs, and collaborate  
 885 and communicate promptly. The selected providers are also paid additional fees for the  
 886 extra effort spent on communications. Under Australian state law, the employers cannot  
 887 direct the employee where to go for injury care, but are nevertheless generally able to  
 888 voluntarily channel more than 85% of injured workers to the selected providers.

889 ○ A workers' compensation insurer in Massachusetts selected and trained a network of  
 890 primary occupational medicine providers (POPs) and asked them to help manage the  
 891 situation caused by the injury or illness as well as manage the medical condition. The  
 892 insurer paid these doctors their full fee-schedule rates for medical care PLUS a modest  
 893 fixed fee for "situation management" for every case they handled. Half of the new fee  
 894 was held back and paid as a bonus if the doctor's overall pattern of care revealed good  
 895 overall results – appropriate medical costs, good patient and employer satisfaction, and  
 896 low disability rates. Another aspect of the program was a very aggressive effort at  
 897 teaching employers to channel to the POPs. Many employers were able to channel more  
 898 than 85%. The net results were good: the fraction of workers' compensation injuries that  
 899 became lost time injuries was 6-8% lower when the treating physician was a POP.

#### 900 **8. Support Appropriate Patient Advocacy by Getting Treating Doctors Out of a** 901 **Loyalties Bind**

902 Governmental agencies, insurers and employers expect doctors to provide unbiased  
 903 information that verifies what their claimants / employees have said about their medical  
 904 conditions and ability to work. Some of this information will be used as a means to validate  
 905 claims and manage attendance, and may be used to award or deny monetary or other  
 906 benefits, or as the basis for personnel actions. Doctors are often made aware of this by their  
 907 patients. The medical profession does not acknowledge any duty to play this role as  
 908 corroborator of fact for third parties, especially considering that negative financial  
 909 consequences for patients may result. In fact, the doctor has a sworn and solemn duty to  
 910 advocate for the patient, and to consider the patient's interest before his or her own.

911 That said, many doctors have not thought carefully about what patient advocacy means in  
 912 the context of SAW/RTW. Most of the time, being an effective advocate for a patient's health  
 913 and safety would mean promoting employment and full social participation. But the scope of  
 914 "patient advocacy" varies from doctor to doctor, with some using their role as physician to  
 915 advocate for whatever their patient wants, or their economic well-being, or even for social  
 916 justice.

917 Historically, the main way that employers and insurers have dealt with this is through the  
 918 independent medical examination process.

919 Recommendations: The SAW/RTW process needs to recognize the treating doctor's  
 920 allegiance, reinforce the primacy of the commitment to the patient / employee's health and  
 921 safety and avoid putting the treating doctor in a bind of conflicting loyalties. Focusing on  
 922 function will reduce split loyalties and avoid breaches of confidentiality. Simpler, quicker, and  
 923 less adversarial means of obtaining corroborative information need to be employed. Creative  
 924 ways to allow treating physicians to participate in SAW/RTW without betraying their sense of  
 925 loyalty to patients need to be developed.

926 Current initiatives and best practices:

927 Employers and insurers who get the best return-to-work results and have the lowest disability  
 928 rates:

- 929 ○ Take charge of the process from the start, not letting it ever appear the doctor is in  
 930 charge of making employment decisions.
- 931 ○ Inform treating doctors that the employer has a temporary transitional work program  
 932 and that most workers are expected to recover on the job.
- 933 ○ Make it clear that they can provide work within a wide range of functional abilities,  
 934 and will be careful to abide by any guidelines set by the doctor.
- 935 ○ Stop asking doctors to set return to work dates, and instead ask the doctors to  
 936 provide functional capacities, restrictions, and limitations.
- 937 ○ Use metrics such as work days lost per 100 injury/illness episodes to track the  
 938 effectiveness of their programs.

## 939 **9. Increase “Real-Time” Availability of On-The-Job Recovery, Transitional Work** 940 **Programs, and Permanent Job Modifications**

941 A cornerstone of disability prevention is allowing workers to recover on the job. Most  
 942 commonly this takes the form of transitional work programs (sometimes referred to by other  
 943 terms such as temporary modified work, alternative duties, or light duty) that let workers  
 944 return to work at partial capacity during their recuperation period. On-the-job recovery  
 945 usually involves a temporary change in job tasks, work schedule, or work environment, and  
 946 often requires a reduction in performance expectations for the limited duration of the  
 947 assignment, generally not more than 90 days. Workers in on-the-job recovery programs are  
 948 expected to return to their usual jobs, with or without permanent accommodations, once the  
 949 temporary assignment is complete.

950 Permanent job modifications such as task re-design or a switch to ergonomically-designed  
 951 tools may also allow for recovery on the job. However, permanent modifications are usually  
 952 made to enable employees to continue working their usual jobs without interruption, and to  
 953 meet the regular performance expectations of that job.

954 Currently, the main problems that get in the way of workers recovering on the job are:

- 955 • Employers whose formal or informal practice is not to take workers back until they  
 956 can do their regular jobs, and employers who have return to work programs on paper  
 957 only. There are many employers who still refuse to provide temporarily modified  
 958 work, and there are many labor agreements that prohibit it. Insurers that give  
 959 discounts to employers who say they have transitional work programs typically fail to  
 960 confirm that the programs are actually used. Few employers provide financial  
 961 incentives to supervisors to make arrangements for on-the-job recovery by



962 subsidizing the labor cost of transitional work programs. Few also appropriately  
 963 allocate the cost of disability benefits to the operating units whose failure to keep  
 964 workers safe or provide transitional work has created the lost workdays.

965 • The bad reputation of “light duty.” Based on their past experience, both employers  
 966 and workers may see light duty as a dead-end, a permanent sinecure, a parking lot  
 967 for favorites and aging workers who can no longer keep up. Others have seen light  
 968 duty used as a punishment. They resist it out of fear they will be given nothing or  
 969 only meaningless work to do, or will be ordered or pressured to violate their work  
 970 restrictions, or will be left isolated, or teased and harassed.

971 • Long lag times. Many companies that do have return to work programs do not use  
 972 them promptly. They are reactive rather than pro-active. When one of their workers  
 973 becomes ill or injured, they do not anticipate the need for transitional work  
 974 assignments but instead wait to hear what is needed. After the doctor writes  
 975 restrictions or the physical or occupational therapist recommends job modifications,  
 976 the employer has the responsibility to make concrete arrangements for return to work  
 977 – but the employer often has no internal resource with expertise, operational  
 978 processes and budget authority to make it happen quickly. This is true for both  
 979 temporary and permanent job modifications.

980 Recommendations: Employers should be encouraged, incentivized, or required to have **and**  
 981 **actually use** transitional work programs. Employers need to have clearly-written policies  
 982 and procedures that provide instruction and direction to people in carrying out their  
 983 responsibilities. Supervisors should be held accountable for the cost of benefits if temporary  
 984 transitional work is not made available to their injured/ill employees when possible. Where  
 985 applicable, unions should be consulted in the design of on-the-job recovery programs.  
 986 Program participation by workers should either be required or strongly incentivized, with  
 987 ombudsman services made available to protect against abuse. Expert resources should be  
 988 made available to employers to assist them in implementing and managing these programs  
 989 on an on-going basis.

990 Current initiatives and best practices: Successful transitional work programs are now in  
 991 place in many well-managed organizations, large and small. Over the last several years,  
 992 these organizations can point to concrete and significant reductions in costs and  
 993 absenteeism rates caused by implementing transitional work programs. They generously  
 994 share their success stories at industry conferences.

995 The Ohio Bureau of Workers’ Compensation has made a remarkable investment in statewide  
 996 Transitional Work Program (TWP) Grants. Under this program, employers are eligible for a  
 997 state-funded grant of up to \$5200 to develop a TWP. Employer participation has been  
 998 enthusiastic, and program results have improved. Many of the employers have used  
 999 vocational rehabilitation professionals or physical/occupational therapists to develop the  
 1000 transitional work program for them, and they maintain ongoing service relationships.

1001 California’s recent workers compensation reform legislation includes a program to reimburse  
 1002 small employers who purchase adaptive equipment or otherwise modify jobs for injured  
 1003 workers for up to \$2500.

1004 An employer consortium sponsored and led by the occupational medicine program at a clinic  
 1005 in Illinois provides guidance and support to small- and medium-sized local employers in  
 1006 setting up and running their transitional work programs. Employers are grateful and provide  
 1007 enthusiastic support.

1008 The Australian state of New South Wales requires all employers with more than 200  
 1009 employees to appoint an in-house injury manager who is responsible for creating return to  
 1010 work plans.

## 1011 **10. Be Rigorous Yet Fair and Kind to Reduce Minor Abuses and Cynicism**

1012 As described earlier, the disability benefit system is often used inappropriately as a means to  
 1013 solve other problems – taking sick leave in order to stay home and care for a child, using sick  
 1014 leave for “mental health days”, developing a headache and staying home the day after a  
 1015 disappointing or upsetting event at work – and the rules are stretched in order to receive  
 1016 benefits when there is no real medical justification.

1017 The more this is allowed to happen, the more people start to assume that everyone is  
 1018 engaging in such behavior. Eventually, anyone who files a claim is treated with cynicism or  
 1019 suspicion. Those with legitimate needs may be treated unkindly and the SAW/RTW process  
 1020 may become unpleasant for them. In many industries, such an attitude is widespread and  
 1021 seriously hampers the SAW/RTW process.

1022 Additionally, if transitional work programs are allowed to become permanent havens for non-  
 1023 productive workers, both employees and supervisors lose enthusiasm for them. Likewise, if  
 1024 light duty is used to demean, harass, or ostracize workers, the programs may become  
 1025 counterproductive.

1026 Recommendations: Programs that allow employees to take occasional time off without the  
 1027 need of a medical excuse (such as paid time off programs) should be encouraged. The  
 1028 negative effect of turning a blind eye to inappropriate use of disability benefit programs  
 1029 should be more widely understood. Petty corruption should be discouraged by means of  
 1030 consistent and rigorous program administration. Methods of reducing widespread cynicism  
 1031 among management and workers about disability benefit programs should be devised and  
 1032 deployed. All parties should be trained how to face situations squarely without becoming  
 1033 adversarial. Workers involved in the SAW/RTW process should be treated with courtesy,  
 1034 kindness, and fairness.

## 1035 **11. Devise Better Strategies To Deal With Bad Faith Behavior**

1036 There are many parties to individual cases in the disability benefits system: employees, their  
 1037 families, their supervisors, employer management, treating clinician(s), insurance carriers,  
 1038 benefits administrators, case managers, union representatives, and lawyers.

1039 A few individuals in each group step beyond the line of appropriate behavior, manipulating  
 1040 the SAW/RTW process to the point of serious abuse or clearly fraudulent activity. For  
 1041 example, some employers pressure workers not to report work-related injuries, fire those  
 1042 who do, force recovering workers to work beyond their limits, or continue to put injured  
 1043 workers in unsafe work environments. Some insurers take advantage of unsophisticated  
 1044 workers or employ unethical claims practices. Some employees manufacture injuries,  
 1045 intentionally exaggerate symptoms, or fraudulently claim benefits for prolonged periods.  
 1046 Some treating clinicians attempt to maximize their fees by continuing treatment and  
 1047 authorizing disability past the point of medical necessity, sometimes to the detriment of the  
 1048 patient and sometimes in collusion with the patient. Other clinicians have lost their  
 1049 independence and simply do the bidding of employers, insurers, or lawyers.

1050 Employers and insurers exert a lot of effort identifying and dealing with employees who take  
 1051 advantage of the system, and to a lesser extent with doctors that do the same. In  
 1052 comparison, little attention has been paid to the harm done to injured or ill employees when  
 1053 their claims adjuster or employer gives them poor service or engages in inappropriate or  
 1054 illegal behavior.

1055 Often, the only recourse available to the injured worker or employee with a complaint is a  
 1056 lawyer. Most people who seek counsel do so only after a problem has arisen. The legal  
 1057 system is a poor substitute for good customer service and fair treatment. Judicial remedies  
 1058 are not usually therapeutic in nature or in timing. People who feel they have been ill-served  
 1059 and retain lawyers get involved in a system that by its adversarial nature hardens and  
 1060 polarizes positions, delays resolution until after the window of opportunity to prevent  
 1061 needless disability has closed, and increases the likelihood of poor functional outcomes.

1062 One multi-state insurer's analysis shows that the median cost of a workers' compensation  
 1063 claims in which the claimant has legal representation is about \$30,000 more than those  
 1064 without lawyers involved. The median cost of represented claims is between 10 and 20  
 1065 times higher than the median cost of unrepresented ones.

1066 Recommendations: In addition to continuing efforts to rein in bad behavior by claimants and  
 1067 doctors, more effort needs to be devoted to identifying and dealing with employers or  
 1068 insurers who do not play fair in SAW/RTW efforts and do not respect the legitimate needs of  
 1069 employees who are dealing with a medical condition. We recommend that some form of  
 1070 complaint investigation and resolution service, such as ombudsman services, be made  
 1071 available to employees who feel they have received poor service or are being treated  
 1072 unkindly, inappropriately, or unfairly.

1073

#### 1074 **IV. INVEST IN SYSTEM AND INFRASTRUCTURE IMPROVEMENTS**

##### 1075 **12. Educate Physicians on Why and How to Play Their Role in Preventing Disability**

1076 Few doctors have ever received training in disability prevention and management. Virtually  
 1077 no medical school courses address this area, and neither do residencies and internships.  
 1078 Two specialties are the exception: occupational medicine and physiatry, both of which  
 1079 consider the issue of functional ability a major focus of their work.

1080 Doctors in most other specialties don't clearly understand how the process works; don't see  
 1081 SAW/RTW as part of the practice of medicine; don't see it as their duty; and so are  
 1082 uninterested in it. Yet the average doctor who treats working-age adults usually signs five or  
 1083 more work-related letters or notes to employers and payers per week, and is by definition a  
 1084 regular participant in SAW/RTW. Because of this, they may allow workers to return to work  
 1085 who should not, and then disable those who could be working.

1086 Medical educators are already overwhelmed by the volume of knowledge that must be  
 1087 transmitted to students and practitioners. Although function is now acknowledged as having  
 1088 a greater impact on quality of life than serious illness, most requests to medical schools from  
 1089 employers and insurers to integrate evaluation of function in their teaching and testing of  
 1090 skills have been politely ignored.

1091 Recommendations: All treating physicians should be educated in the basics of disability  
 1092 prevention, disability management, and their role in the SAW/RTW process. Advanced  
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1093 training should also be provided using methods and modes that will be attractive to and  
 1094 effective with physicians. Most likely, such training will have to take place at the behest of  
 1095 employers and insurers – not the medical profession itself. Appropriate privileges and  
 1096 reimbursements should be available to physicians who have been trained (e.g. membership  
 1097 in special networks). Treatment guidelines should routinely include attention to function  
 1098 where adequate supporting medical evidence exists.

1099 Note that the knowledge and skills to be imparted are consistent with current  
 1100 recommendations that medicine in general shift from a reactive disease-oriented paradigm to  
 1101 a proactive health-oriented one.

1102 Current Initiatives and Best Practices: The American College of Occupational and  
 1103 Environmental Medicine and the American Academy of Orthopedic Surgeons have active  
 1104 educational efforts underway within their professional societies, with courses on disability-  
 1105 related topics at all annual conferences.

1106 As part of a larger initiative to focus disease management and benefit cost reduction  
 1107 programs at the community level, several employers in West Virginia and Idaho have  
 1108 embarked on an initiative to award quality points towards bonuses to those local physicians  
 1109 who attend a live training session or take a short web-based course in disability prevention  
 1110 and return to work communications.

1111 Two workers' compensation healthcare provider networks in California and Florida have  
 1112 already strongly encouraged their physicians to take a course in disability prevention. Other  
 1113 networks have similar programs now in development.

1114 The State Compensation Insurance Fund of California has recently decided to make  
 1115 disability management training a requirement for key clinicians in its medical provider  
 1116 network (MPN).

### 1117 **13. Disseminate Medical Evidence Regarding the Benefits on Recovery of Staying at** 1118 **Work and Being Active**

1119 There is strong evidence that activity is necessary for optimal recovery from injury / illness /  
 1120 surgery, while inactivity delays it. Moreover, for an array of conditions including depression,  
 1121 chronic pain, fibromyalgia, and chronic fatigue syndrome, simple aerobic physical activity has  
 1122 been shown to be an effective treatment. There also is evidence that remaining at or  
 1123 promptly returning to some form of productive work improves clinical outcomes as compared  
 1124 to passive medical rehabilitation programs. Therefore, the ACOEM Practice Guidelines  
 1125 consistently recommend exercise, active self-care, and the earliest possible safe return to  
 1126 work.

1127 In spite of this evidence, inactivity, work avoidance, and passive medical rehabilitation  
 1128 programs are often prescribed as treatment, leading to adverse patient outcomes.

1129 Recommendations: Large scale educational efforts need to be undertaken so that treating  
 1130 clinicians and other system participants prescribe inactivity only when medically required,  
 1131 and activity recommendations become a routine part of all medical treatment plans.  
 1132 Wherever possible, regulations or policies should specify that medical care must be  
 1133 consistent with current medical best practices, or even better, an evidence-based guideline  
 1134 should be adopted as the standard of care.

1135 Current Initiatives and Best Practices: The State of California has recently adopted the  
 1136 ACOEM Practice Guidelines as the best available evidence-based standard of care for new  
 1137 workers' compensation injuries. California law says that the Guidelines shall be  
 1138 "presumptively correct on the issue of extent and scope of medical treatment."  
 1139 ([http://www.dir.ca.gov/dwc/DWCPropRegs/UR\\_ISOR.doc](http://www.dir.ca.gov/dwc/DWCPropRegs/UR_ISOR.doc)) The State of Colorado also has  
 1140 developed evidence-based treatment guidelines, and requires those who perform  
 1141 independent medical evaluations to take a rigorous state-sponsored training course. Their  
 1142 opinions must conform to state standards.

1143 **14. Simplify and Standardize Methods of Information Exchange Between Employers /**  
 1144 **Payers and Medical Offices**

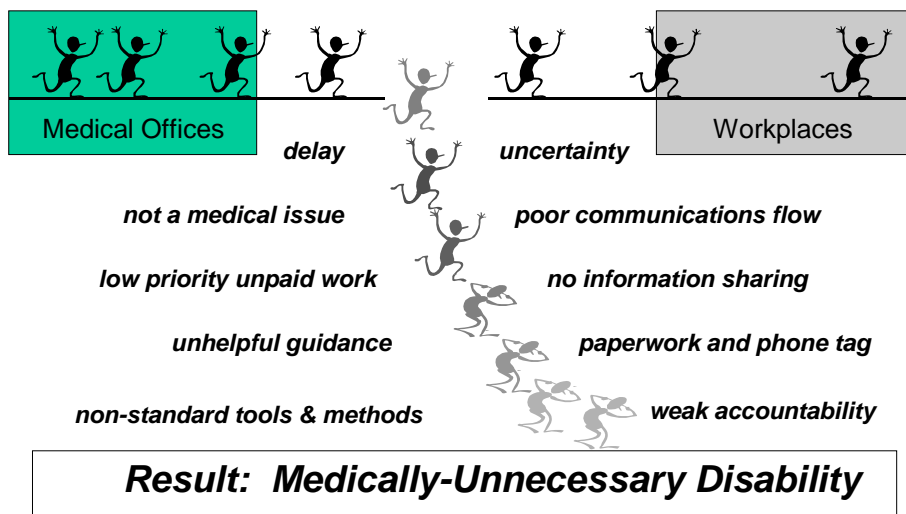
1145 Though doctors play an important role in the SAW/RTW process, they are typically given too  
 1146 little information to play their role effectively. Often the employee is the doctor's only source  
 1147 of information, because the employer is not visible. Employers usually do not send any  
 1148 information to the doctor about an employee's functional job requirements, their SAW/RTW  
 1149 programs, their commitment (or lack of it) to employee well-being, or how to get questions  
 1150 quickly answered or problems addressed.

1151 Claim administrators often request information from the doctor to help in managing their  
 1152 claim. They tend to use a generic approach that does not match up the information  
 1153 requested with the actual simplicity or complexity of the situation. Questions often seem  
 1154 designed to determine eligibility for benefits rather than to find a way to help the worker  
 1155 return to work. Not enough focus is placed on discussion of patient functionality, which is not  
 1156 subject to confidentiality restrictions. Employers and claims administrators often find it easier  
 1157 and more efficient to send volumes of material to the doctor instead of paring it down to the  
 1158 essential questions for the doctor's convenience.

1159 For their part, many doctors seem unaware of employers' and benefit administrators'  
 1160 legitimate needs for information. Then, when doctors receive poorly-conceived requests for  
 1161 guidance or opinions, they have little tolerance or time for poring through irrelevant or  
 1162 redundant information to find the few useful pieces of data. Many doctors are simply  
 1163 unaware of the impact of their delays or inadequate responses on achieving optimal  
 1164 functional outcomes for their patients.

1165 Both sides of the communication divide are exasperated by the enormous variability in the  
 1166 other's paper forms.

## This Gap Creates Disability



1167

1168 Recommendations: Employers, insurers and benefits administrators should stop using  
 1169 communication methods that are convenient for them but waste the doctor's (largely unpaid)  
 1170 time. They should spend the time to digest, excerpt, or highlight key information so the  
 1171 doctor can quickly and easily spot the key issues and meet the need for prompt and pertinent  
 1172 information in return. In particular, prior medical records should always be sent to the doctor  
 1173 prior to the appointment, since the lack of any documented historical information is a very  
 1174 common problem. Focusing communications more on function will provide a better  
 1175 justification for disability benefit payments and foster return to employment. All parties need  
 1176 to learn to discuss the issues, verbally or in writing, in terms of function, and engage in a  
 1177 mutual search for ways to resolve obstacles.

1178 Current Initiatives and Best Practices: Training can make employer and insurer staff more  
 1179 aware of the practical realities of the doctor's office, and teach how to make information  
 1180 requests that will succeed by fitting in with this rhythm. Successful case managers often fax  
 1181 a single page sheet to the doctor's office the day before a patient's appointment. The sheet  
 1182 contains one or a handful of questions or options, accompanied by checkboxes the doctor  
 1183 can use to answer them. Several new companies are seeking to link medical provider  
 1184 offices with employers and insurers, using various business models to help make the  
 1185 process valuable for all participants

### 1186 **15. Improve and Standardize the Methods and Tools that Provide Data for SAW/RTW** 1187 **Decision-Making**

1188 As soon as other people get involved in a worker's SAW/RTW process, they need data about  
 1189 work capacity and job demands on which to base their decisions or take action. Existing  
 1190 methods and tools for obtaining and analyzing data are non-standard and rather crude  
 1191 considering the impact they have on hundreds of thousands of work disability episodes per  
 1192 year.

1193 In the time-pressured setting of everyday patient care, treating doctors typically just  
1194 improvise and use some form of informed guesswork to come up with work capacity, medical  
1195 restrictions, and functional limitations on the spur of the moment. Similarly, employees and  
1196 employers typically use informed guesswork to describe the functional demands of  
1197 workplace tasks. Most of the time, this method seems to work well enough.

1198 However, whenever ability to work is uncertain or disputed, everyone, especially the courts,  
1199 develops an appetite for “hard facts” and data. Most of the wide variety of proprietary  
1200 methods and technologies for determining work capacity now in current use were developed  
1201 by the private sector.

1202 Although almost all commercial methods and machines claim to have been “scientifically  
1203 tested,” very little high quality research has been published in rigorously peer-reviewed  
1204 scientific journals. Most of the studies relating tests to work are not published in the leading  
1205 testing journals because the studies are typically produced for a single employer or  
1206 entrepreneur under contract. As a result, there is little incentive to publish the results.

1207 Paradoxically, one major study showed that functional capacity evaluations (FCEs) were  
1208 worse than no testing at all at facilitating appropriate job placement. In that study, a group of  
1209 patients all underwent functional capacity evaluations. Those whose doctors used data from  
1210 the FCEs as the basis for their return to work advice did worse than those whose doctors  
1211 ignored the FCE results and simply reassured and returned the workers to their usual jobs.

1212 Testing of almost any kind is more accurate when people want to pass rather than fail it (for  
1213 example, when they want to be hired for a job, rather than when the insurance company  
1214 wants to cut off their benefits). It is ironic, therefore, that work capacity testing is most often  
1215 done because someone suspects and wants to document weak motivation or malingering –  
1216 the circumstances under which the technology is weakest.

1217 The lack of rigorous scientific support for the accuracy and practical usefulness of existing  
1218 work capacity measurement methods has not deterred the measurement industry, because  
1219 its customers continue to think that “objective hard data” is better than no data.

1220 Table 5 below provides examples of the methods commonly used by physicians to obtain the  
1221 data needed for SAW/RTW decision-making. For each question or issue to be resolved, the  
1222 table shows the fast and low cost or simple method typically used in an everyday medical  
1223 office visit compared to a high cost or complex method that is typically used in a complex or  
1224 litigated situation. As can be inferred from the table, the range in technical sophistication,  
1225 time required, and cost is considerable.

1226 Preparing this table made us realize that one important reference has not yet been  
1227 developed. Physicians who are looking for authoritative information have no resource for the  
1228 occupational implications of various specific medical conditions or descriptions of patient-  
1229 specific or task-specific considerations that would generate the need for specific medical  
1230 restrictions.

1231

1231

<b>Table 5</b>		
<b>Examples of Methods Currently Available to Physicians</b>		
<b>Question / Issue To Be Resolved</b>	<b>Low-Cost and/or Simple Method</b>	<b>High-Cost and/or Complex Method</b>
What are the functional demands of the worker's usual job?	Doctor asks the worker what he / she usually does at work.	Doctor relies on data from a job analysis. Doctor reads a multi-page comprehensive functional job description possibly with digital photos/video. The report has been prepared by a trained expert hired by the employer or insurer. The expert did a formal job analysis including making actual measurements at the worksite.
What is the worker's current work capacity and functional limitations?	Doctor asks what the worker can't do; observes the worker's behavior in the exam room; performs a physical exam – and then mentally projects those answers and observations into likely workplace activities	Use data from tests such as treadmill testing (aerobic exercise capacity), functional capacity evaluation (musculo-skeletal work capacity) or neuro-psychological testing (cognitive ability). Tests of other capacities are available but much more rarely used. Doctor reads a report of the worker's visit to a special testing facility, in which he/she performed a set of maneuvers to ascertain the worker's maximum work capacity.
Is there a medical reason why the worker should be removed from work? Is there any specific activity / exposure the worker should avoid for medical reasons?	Doctor uses his/her own knowledge of workplaces and jobs, then thinks about potential situations that might pose a risk to the health / safety of the worker or others -- and writes medical restrictions to avoid them.	Other than disability duration guidelines that specify the length of time people are typically absent from work for various conditions, no clinical resource is available. We are unaware of any reference that systematically reviews the occupational implications (medical concerns and functional issues) of various medical conditions. Neither a consensus-based encyclopedic reference nor a systematic and comprehensive review of evidence-based medical literature exists yet.
	(continued on next page)	



<p>Can this worker with this functional capacity and these medical restrictions do this particular job?</p>	<p>Make an informed guess. The doctor uses whatever information is available to decide whether the worker’s current capabilities match with the job demands.</p> <p>OR</p> <p>The employer or insurer looks for a match. They compare the employee’s abilities as portrayed in a doctor’s note with the demands of available jobs</p>	<p>Doctor relies on data from functional testing. Using information about a particular job, a testing facility devises a set of maneuvers that duplicate the maximum functional demands required by the tasks of that particular job. Then the worker attempts to perform those critical tasks. The areas of mismatch are the tasks that the worker cannot perform.</p>
<p>Ways of modifying jobs / making accommodations</p>	<p>The doctor makes a suggestion based on his/her previous life and practice experience. The employer may seek advice from a consulting physician with occupational medicine expertise.</p>	<p>Doctor relies on data in a report written by a vocational counselor or similarly trained and qualified professional who has evaluated the situation in detail and made recommendations.</p>

1232

1233 Recommendations: Standardization of key information and processes could help doctors  
 1234 participate more efficiently in SAW/RTW. Sending functional job descriptions to doctors at  
 1235 onset of disability should become routine. In order to be available at time of need, these  
 1236 descriptions must be prepared ahead of time by employers and stockpiled at the benefit  
 1237 administrator. They should focus on critical (meaning maximum) functional demands of  
 1238 individual job tasks, and be both accurate and up-to-date. Practical “bedside” methods of  
 1239 determining and documenting functional capacity should be routinely taught to doctors.  
 1240 Purveyors of functional capacity evaluation methods and machines should be required to  
 1241 provide published evidence of high quality peer-reviewed trials comparing their adequacy to  
 1242 other methods. Government, employers, insurers, or foundations may be appropriate  
 1243 sources for funding that research.

1244 Current best practices and initiatives: Many occupational medicine physicians ask workers  
 1245 carefully-designed questions about everyday activities or observe them while they perform a  
 1246 simple set of office-based maneuvers in order to quickly obtain objective information on  
 1247 which to base their opinions. Occupational medicine specialists commonly tour the plants of  
 1248 their industrial clients in order to familiarize themselves with the physical work environment  
 1249 and the tasks of specific jobs. Many employers have already developed detailed functional  
 1250 job descriptions as part of their ADA compliance program. Some have modified their claim  
 1251 intake process to include mailing the worker’s job description to the treating physician. Some  
 1252 large companies are developing a computerized database of all tasks including each task’s  
 1253 critical (most difficult) functional demands. A few companies are using job-specific functional  
 1254 testing at time of hire as well as at routine intervals after injury or illness in order to assure  
 1255 that workers are assigned tasks within their capabilities. Both vendors and purchasers of  
 1256 evaluation methodologies are beginning to see the necessity of demonstrating validity and  
 1257 reliability in well-designed and controlled peer-reviewed trials.

1258 **16. Increase the Study of and Knowledge About SAW/RTW**

1259 The SAW/RTW process has not been systematically and formally studied in much detail, and  
 1260 certainly not in proportion to its significance for the well-being of millions of workers. Little  
 1261 data exists describing process metrics or patient outcomes. There is a dearth of solid

1262 methodological foundation or medical evidence to support methods and tools commonly in  
1263 use, or to form the basis for improving them.

1264 Many millions of public health dollars have been spent studying the adequacy of healthcare  
1265 services and experimenting with ways to improve outcomes for the poor in Medicaid  
1266 programs, and the elderly in Medicare programs. Virtually no public health funding or  
1267 research has asked or answered similar questions regarding the adequacy of healthcare  
1268 services and resulting outcomes for the employed population served by the workers'  
1269 compensation system. The failure of the states and the private sector to address these  
1270 issues is good fodder for those who think that workers' compensation should be federalized,  
1271 or who argue for a larger federal role in regulating it.

1272 With regard to disability benefits, some publicly-funded published research has been done  
1273 only on the long-term disabled population served by Social Security disability insurance in  
1274 the United States. This is in contrast to Europe, which distinguishes between the long-term  
1275 disabled and the newly or temporarily disabled, and does research on both. Virtually no U.S.  
1276 research money or effort has been devoted to studying the adequacy of medical services  
1277 and outcomes of care for the people served by the state-based and private disability benefits  
1278 systems. As with workers' compensation, the failure to address these issues may point to a  
1279 need for a federal agenda.

1280 Recommendations: A description of the SAW/RTW process should be compiled and widely  
1281 disseminated, along with recommendations on how to best implement change to achieve  
1282 desired results in disability outcomes. Industry-specific as well as broad-based research  
1283 programs should be established and funded, perhaps in the form of independent institutes or  
1284 as enhancements to university-based programs. Existing research findings should be  
1285 collected, tabulated, and the findings should be analyzed and published. Research agendas  
1286 should be formulated in order to gain a richer understanding of current practices and  
1287 outcomes, to determine best practices, and to test alternative solutions to addressing  
1288 problems. A dissemination framework should be developed that effectively communicates  
1289 the findings of completed research to all stakeholders, especially decision-makers. This  
1290 framework should also solicit needs for future research.

1291 A sampling of research topics of interest might include:

- 1292 • Screening tools that accurately predict relative risk of long-term functional disability,  
1293 and provide a basis for therapeutic interventions.
- 1294 • The long term natural history of prolonged absence or withdrawal from work. What  
1295 does happen to these people?
- 1296 • Controlled trials of various claims and clinical interventions designed to improve  
1297 medical and functional outcomes.
- 1298 • A systematic assessment and catalogue of the functional implications and  
1299 occupational considerations related to the 300 or so medical conditions that most  
1300 commonly cause disability.
- 1301 • Comparison of means to assess work ability / capacity.
- 1302 • Ways to standardize and increase the availability and usability of functional job  
1303 descriptions.
- 1304 • Study of physician behavior in dealing with role conflict.

- 1305 • Controlled trials that compare different methods for training physicians in disability  
1306 prevention, and assess the impact of that training on clinical, functional, and financial  
1307 outcomes.
- 1308 • Ways to increase the recognition and effective treatment of psychiatric co-morbidities.
- 1309 • Effective ways to streamline communications between participants in SAW/RTW.
- 1310 • Comparison of different methods to reward physicians for active participation in the  
1311 SAW/RTW process.

## 1312 **SUMMARY AND CONCLUDING REMARKS**

1313 It is our opinion that the current SAW/RTW process too often fails to meet the needs of  
1314 patients, their employers, benefits payers, and society as a whole.

1315 Although most people with injury or illness are able to cope with their problem and receive  
1316 the support needed to adjust their life and work either temporarily or permanently, a very  
1317 important minority of them are not. These people do not recover successfully, do adopt a  
1318 disabled self-concept, and end up either with needlessly prolonged absence or permanent  
1319 withdrawal from work – and are lost to the productive side of the economy. In problematic  
1320 situations, the SAW/RTW process is usually inadequate and ill-suited to detect and  
1321 effectively address the issues that are most important to the outcome. The small fraction of  
1322 troublesome situations accounts for the vast bulk of needless expenditures for disability  
1323 benefits. Because this small number of claims accounts for such a large portion of all  
1324 disability program costs, a one percent reduction in cases with prolonged disability should  
1325 generate a substantially larger reduction in overall system cost.

1326 In keeping with our roots as a preventive specialty, we recommend that the focus of the  
1327 SAW/RTW process shift away from “managing” or “evaluating” disability towards preventing  
1328 it. We contend that the fundamental reason for a considerable fraction of lost workdays and  
1329 lost jobs is not medical necessity but rather non-medical decision-making and poor  
1330 functioning of the SAW/RTW process.

1331 Employers, insurance carriers and governmental agencies that are currently burdened by the  
1332 costs of preventable disability, and that are worried about the implications of an aging  
1333 workforce for future trends, should consider underwriting efforts to prevent disability more  
1334 effectively.

1335 As is reflected in the recommendations we have made throughout this paper, improving the  
1336 SAW/RTW process will require:

- 1337 • A sense of urgency
- 1338 • Attention and priority
- 1339 • Research
- 1340 • Experimentation with new methods and interventions
- 1341 • Infrastructure development
- 1342 • Policy revision
- 1343 • Methodological improvement and dissemination
- 1344 • Education and training

1345 • Incentive alignment

1346 • Funding

1347 Common sense evidence abounds that keeping people at work and productively contributing  
1348 to society is good for them and for society. To avoid the unfortunate outcome of iatrogenic or  
1349 system-induced disability is worthwhile. To improve the appropriateness and usefulness of  
1350 services available to people who are coping with illness and injury in their lives is also of  
1351 value. And it is sensible, if not urgent, for us as a society to curtail the needless use of  
1352 resources and loss of personal and industrial productivity.

1353 Making improvements in the SAW/RTW process will require sustained attention and effort,  
1354 and a willingness to explore new ways of doing things. We hope that this white paper will  
1355 stimulate thinking and begin a regular dialogue with other stakeholders to explore this topic in  
1356 progressively more depth. We also hope that the national and international conversation  
1357 about the societal issue of disability will be more informed and fruitful as a result, and that  
1358 this will catalyze productive changes in the system.

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**APPENDIX: TOPICAL BIBLIOGRAPHY**

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Below is a list of references that we used in educating ourselves and preparing this document. This topical bibliography is divided into sections that correspond roughly with the sections of the paper. Some references are applicable to more than one area. In general, these materials corroborate the major points made in this paper.

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The SAW/RTW process has itself not been the subject of as much scientific research as other medical and public policy areas of comparable import to society. Some of our major concerns lie in areas that have not been rigorously investigated yet, probably due to lack of interest or availability of funding. (This in itself is one of our major concerns.) As a result, some topics have fewer or weaker supporting references than would be available if more research had already been done.

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