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## WORKER INJURIES IN NURSING HOMES: IS SAFE PATIENT HANDLING LEGISLATION THE SOLUTION?

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### Abstract

In 2012, nursing homes were considered the most dangerous workplaces in the United States. While other industries have guidelines that limit manual lifting of stable objects to 50 pounds, the same is not so in the nursing home industry where residents requiring physical assistance may weigh over 250 pounds and where the prevalence of obesity among residents is increasing. Safe patient handling legislation in nursing homes has been enacted in nine of the United States since 2005 (Hawaii, Illinois, Maryland, Minnesota, New Jersey, New York, Ohio, Rhode Island, and Texas). This paper reviews the problem of worker injuries in nursing homes, describes the legislation passed to address the problem, and reviews the data available on the effectiveness of the legislation. No national studies evaluating the effectiveness of safe patient handling state policies on nursing home injuries exists, although the National Institute on Occupational Safety and Health has recently funded a national evaluation.

### Keywords

nursing homes; worker injuries; safe patient handling; legislation

### INTRODUCTION

Nursing homes have one of the highest occupational illness and injury rates in the United States (higher than coal mines, steel and paper mills, warehousing and trucking).<sup>1</sup> From 1984 to 1995, the reported injury rate for workers in the nursing home sector increased by 57 percent;<sup>2</sup> this has been trending downward in recent years.<sup>3</sup> Although the reasons for the downward trend remain unknown, it may be directly or indirectly affected by trends in

improved quality in nursing homes,<sup>4</sup> improved staffing levels,<sup>5</sup> reduced staffing turnover,<sup>6</sup> disincentives to report worker injuries because of job insecurity,<sup>7,8</sup> and interventions specifically aimed at reducing worker injuries in nursing homes.<sup>9</sup> In 2014, nursing homes were deemed to be among the most dangerous workplaces in the United States according to the Bureau of Labor Statistics, with a rate of 7.1 recordable cases per 100 FTEs.<sup>3</sup> Heavy manual handling is a key risk factor for work-related musculoskeletal disorders of the back, neck, and upper extremities and nursing homes rank among the top five industries for compensable injuries and disorders of this type. Nursing homes rank highest for sprains, strains, and tears<sup>10</sup> and back injuries.<sup>11</sup>

Many back injuries are considered preventable by means including improved job design.<sup>12</sup> Despite this, the cost of back injuries in the American health care industry exceeds \$7 billion annually which represents an estimated 5%–15% of the total cost of back injuries across all occupations.<sup>13</sup> Nursing assistants have among the highest rates of sprains, strains, and tears of all occupations in the United States.<sup>14</sup> This comes as no surprise when the realities of the nursing home context are considered. In most industries, guideline-concordant manual lifting of stable objects is limited to 50 pounds or less.<sup>15</sup> Nursing home residents—who may move or shift unexpectedly, have pain or wounds, be precariously attached to equipment or tubing, or who may even actively resist efforts to assist them—may weigh 250 pounds or more<sup>16</sup> with those weighing 100 pounds considered “light”.<sup>13</sup> In a typical 8-hour workday, a nurse may manually lift an estimated cumulative weight of 1.8 tons.<sup>17</sup> Further compounding this problem is the ongoing American obesity epidemic. In 2011–2012, 34.9% of adults in the United States were obese.<sup>18</sup> The nursing home industry has not been immune to this epidemic<sup>19</sup>, and the increasing trend in the prevalence of obesity is unlikely to reverse in the foreseeable future.<sup>20</sup>

This article reviews information regarding worker injuries in nursing home settings, shining a spotlight on a serious issue in the nursing home sector. We review the issues that make the problem of worker injuries particularly challenging in the nursing home sector. Briefly, we conducted a literature search in PubMed using combinations of words for each of the major headings covered in the manuscript. We restricted the search to include only papers published in English. We also reviewed the reference lists of articles identified through the PubMed search to see if there were additional references germane to the topics included in the review. We also consider the special circumstances of workers who are at particular risk for injury in the nursing home setting. The impact of staff turnover on the problem of worker safety in this setting is considered, and we then provide a review of potential solutions to the problem with a focus on safe patient handling legislation. We also review what little has been reported on the effectiveness of the legislative solution and conclude with a summary of ongoing evaluations of the legislative approaches to reducing worker injuries in nursing homes.

### **Significance of worker injuries in the nursing home setting**

Currently, 1.4 million people reside in nursing homes<sup>21</sup>, with ~1.3 million staff providing direct skilled nursing and nursing-related care. Nursing home direct care staff members include registered nurses (RNs), licensed practical nurses (LPNs), licensed vocational nurses

(LVNs), certified nursing assistants (CNAs), and nurses aides-in-training.<sup>22</sup> Nursing homes employ ~8% of RNs and one-third of LPN and LVNs nationwide.<sup>23</sup> More than half of nursing home nursing staff are CNAs<sup>24</sup>, who are responsible for helping frail and disabled older adults carry out the most basic activities of daily life. Nationally, CNAs have a rate of musculoskeletal injuries (197.3 per 10,000 FTEs) over five times as high as the national average (35.4 per 10,000 FTEs).<sup>1,10</sup>

Caring for nursing home residents is challenging. About half of all residents are unable to independently transfer (e.g., from bed to chair) or require total or extensive assistance<sup>25</sup> and residents often move unexpectedly.<sup>13</sup> Types of resident handling that may result in worker injury include manual lifting, repositioning in bed, catching patients when they fall, transporting from one location to another, and providing assistance for toileting, etc.<sup>20,26</sup>

As previously mentioned, nursing homes are dangerous places to work.<sup>3</sup> Forty-four percent of such injuries are due to lifting, with extensive worker's compensation and medical treatment costs.<sup>27</sup> More than half of nursing assistant injuries are due to overexertion.<sup>28</sup> Even with two staff members manually handling a patient, substantial risk of injury exists.<sup>22</sup> Recurring injuries due to repeated lifting can result in scarring and cumulative damage.<sup>3</sup> Risk factors for injury include 1) force required; 2) repetition and frequency; and 3) awkward postures that place stress on the body.<sup>29,30</sup>

When the realities of the nursing home context are considered, the risk to caregivers should come as no surprise. The prevalence of nursing home resident obesity has more than doubled in the past 20 years<sup>15</sup>, and in 2008 it was estimated that ~25% of all residents were obese.<sup>31</sup> Work factors (e.g., working the night shift) have also been linked to increased risk of low back pain-related sick leave among CNAs<sup>32</sup> and with variation in safe patient handling implementation.<sup>33</sup> Adverse nursing work schedules have been linked to musculoskeletal problems.<sup>34</sup> The importance of injury risk among nursing home workers is highlighted by the Occupational Safety and Health Administration recent directive targeting “ergonomic stressors in patient lifting” as an important hazard to worker safety.<sup>35</sup>

### **Marginalized populations working in nursing homes**

When we consider who is at risk for injury in this setting it is clear that they are largely vulnerable. Nursing staff in nursing homes are disproportionately women (>90%).<sup>36</sup> Compared to men, women may be more susceptible to back injuries with lower load exposures.<sup>37</sup> On average, women are smaller in stature and have lower body mass. Differences in both innate strength and altered body positioning in response to heavier loads have potential to cause more harm to women than men under similar circumstances.<sup>38,39</sup> While the majority of RNs and LPN/LVNs are non-Hispanic white (88% and 78%, respectively), nearly half of CNAs are racial minorities (38.7% black, 7.9% other), almost 10% are Hispanic, and 20% are immigrants.<sup>31</sup> More than three-quarters of CNAs have a high school education or less.<sup>31</sup> Federal law requires that state-approved CNA training programs include a minimum of only 75 hours of instruction, with almost half of states requiring the minimum and about one third of states requiring over 100 hours. Missouri requires the most training at 175 hours.<sup>40</sup> CNAs make little more than the minimum wage<sup>41</sup> with nearly three-quarters of CNAs reporting household incomes less than \$30,000, almost

half with a history of receiving public assistance like food stamps, and 16.5% having lacked health insurance.<sup>23</sup> Low wages and inadequate benefits may well contribute to the high rate of turnover among nursing home CNAs.<sup>20,34</sup> Compounding the risk to these vulnerable workers is a workers' compensation system where benefits have been slashed over recent years in 33 states in the United States, reducing benefits, creating new hurdles to obtaining medical care, or making it more difficult to qualify for benefits. Indeed, the Occupational Safety and Health Administration of the United States Department of Labor has characterized the workers' compensation system as "broken", with employers now supporting only about 20% of the cost of workplace injuries through workers' compensation. This forces injured workers, their families, and taxpayers to subsidize the vast majority of lost income and medical care costs.<sup>42</sup> This has occurred despite the fact that employers are paying the lowest rates for workers' compensation insurance than at any time in the past 35 years and insurers' profits in 2013 are the highest they had been in over 10 years.<sup>43</sup> At the same time, injured workers have limited options for recourse as, under current worker compensation laws, workers who suffer preventable, disabling, work-related injuries have are prohibited from suing their employers for lack of lift equipment even if this has led to their disability.<sup>10,36</sup>

### **Staff turnover exacerbates the problem of worker injuries**

In the nursing home setting, staff turnover is high. Thirty-eight percent of nursing home staff report intentions to leave their position within 2 years.<sup>44</sup> The instability of the nursing home workforce often contributes to extreme workloads, insufficient training, and high accident and injury rates.<sup>45,46,47</sup> Efforts to reduce staff turnover in nursing homes may indeed improve worker safety as new staff are particularly vulnerable to accidents during their initial period of employment.<sup>48</sup> Making matters worse, worker injury also contributes to the well-documented staff shortage.<sup>49</sup> This results in a vicious cycle as staff shortages result in overworked staff which in turn leads to higher injury rates which results in increasing staff turnover and shortages.<sup>50</sup>

### **Potential solutions to reduce injuries**

Many back injuries are considered preventable by improved job design. In the health care sector, use of mechanical lift equipment is effective in back injury prevention.<sup>1,29</sup> The *National Institute for Occupational Safety and Health National Occupational Research Agenda*<sup>51</sup> and the *American Nurses Association*<sup>52</sup> have identified models of care to address unsafe practices in healthcare settings. These effective solutions do involve a financial cost to the institution. Purchase of equipment such as portable lifts and transfer sheets, staff training, adopting a "minimal lift" policy to eliminate manual lifting, and establishing "lift teams" with proper training and equipment to rotate around the facility all require potentially significant initial investment.<sup>53</sup> However, it is estimated that costs related to these improvements can be recovered in less than 5 years<sup>49</sup> as a result of reduced workers' compensation costs<sup>54</sup>, reduced staff injury costs<sup>55</sup>, and reduction in costs related to patient pressure ulcers.<sup>56</sup> Further savings are realized in reducing turnover as hiring and training costs for replacement staff has been estimated ~\$92,442 per nurse in 2000.<sup>57</sup>

There is no federal legislation specifically regarding safe patient handling and mobility, although federal legislators introduced a bill in each session since 2009.<sup>58</sup> The most recent bill has been referred to the Subcommittee on Health where it currently remains.<sup>59</sup> The United States lags behind other industrialized nations where manual lifting of patients is prohibited, including in Canada, England, the Netherlands, Switzerland, Ireland, Finland, and Australia.<sup>60</sup>

Table 1 summarizes enacted safe patient handling legislation at the state level. Twelve states have passed legislation related to safe patient handling, of which 9 states *explicitly* include nursing homes. In three states (California, Missouri, Washington), substantial numbers of nursing homes implemented safe patient handling programs. At the state level, nursing home-specific safe patient handling legislation varies in scope and strength. Six states (Illinois, Maryland, Minnesota, New Jersey, New York, and Rhode Island) require nursing homes to have comprehensive programs that implement safe patient handling policies that include guidelines for securing appropriate equipment and training, data collection, and evaluation. Ohio provided interest-free loans to nursing homes wishing to install lift equipment<sup>61</sup>, although this was repealed in June of 2015. New York provided funding to select health care facilities enrolled in its two-year safe patient handling demonstration program<sup>62</sup>, and the 2014–15 New York state budget included a provision requiring general hospitals and other health care facilities to establish facility-specific safe patient handling programs by January 1, 2017.<sup>63</sup> Hawaii passed legislation that adopted a resolution supporting the American Nurses Association's Handle With Care® campaign, but with no regulatory requirements.<sup>63,64</sup> Table 2 shows detailed summaries of the legislation and links to the actual legislation.

### Effectiveness of safe patient handling legislation

Although safe patient handling legislation has been in effect since 2005, publicly-available evaluations of its impact on healthcare worker injuries are scarce. Evaluations of staff injuries by state agencies or legislative committees in Ohio and New York show promising results. In Ohio, nursing homes with state funding to install ergonomic interventions saw a 37% decrease in the incidence rate of cumulative trauma disorders among workers, a 39% decrease in days lost due to injury, and a 26% decrease in restricted days due to injury<sup>65</sup>, although they did not examine these trends relative to facilities that did not get grant funding. Evaluation of the impact of legislation in New York focused on five case studies demonstrating a dramatic reduction in lost work days due to patient handling injuries in these selected facilities.<sup>66</sup> Despite the fact that six of the nine states' legislation targeting nursing home workers called for data collection and evaluation, we were unable to identify any other reports evaluating the impact of these legislative acts.

In Washington state an evaluation of workers in acute care hospitals found that from 2007–2009, compared to Idaho (a state where no safe patient handling legislation existed), Washington acute care hospital workers reported a higher proportion of reported routine use of lift and other safe patient handling equipment. In fact, the proportion reporting equipment use in Idaho decreased over the same period ( $p < .009$ ).<sup>67</sup> However, the declining trend in

compensable injury rates in this sector was indistinguishable from the declining rate across all industrial sectors.

An analysis by Public Citizen found dramatic declines in the number of health care and social assistance workers reporting musculoskeletal injuries resulting in days away from work in many, but not all, states with safe patient handling legislation.<sup>68</sup> This analysis grouped workers in nursing homes and hospitals with a large number of other health care and social services workers together, and did not account for changes in the number of workers in the sector over time.

The relation between nursing home organizational factors and worker injuries has been studied. Organizational characteristics of the nursing homes—including staffing, training, equipment availability, and organization of work—can affect work load.<sup>69</sup> Other nursing home characteristics associated with higher reports of staff injury rates include not-for-profit status, belonging to a chain, higher average occupancy, more RNs, and lower quality of care.<sup>70</sup> It is unlikely that legislation would be equally effective for all nursing homes as the variability in organizational characteristics of individual nursing homes is likely to substantially modify legislation effects.<sup>71</sup> Understanding the profile of nursing homes which require interventions beyond legislative initiatives to improve worker safety is important.

## CONCLUSION

Safe patient handling legislation is one approach to reduce worker injuries in the health care sector. Nine states have passed legislation related to safe patient handling in nursing homes since 2005, with two states currently considering legislative initiatives to protect against injury owing to manual patient lifting. Some promising results have emerged from single state evaluations. Given the importance of the problem, the toll on the lives of nursing home workers and residents, and spiraling economic costs, national studies of the impact of such legislation on reducing musculoskeletal injury specifically among nursing home staff are warranted. We are currently in the midst of a two-year evaluation funded by National Institute for Occupational Safety and Health. As part of this research project, we are cross-linking information from the Occupational Safety and Health Administration Data Initiative<sup>72</sup> with resident level information from the Centers for Medicare and Medicaid Services Minimum Data Set, and facility level information captured by the Certification and Survey Provider Enhanced Reporting system. Extensive administrative data sources collected in the nursing home sector by federal mandate make possible the current research. The research will estimate the effect of state-level safe patient handling legislation on nursing home worker injury rates. In addition, the research will identify characteristics of those nursing homes which may require additional interventions beyond safe patient handling legislation to effectively reduce worker injury rates. We hypothesize that safe patient handling legislation reduces worker injury rates in nursing homes, and that organizational characteristics of the nursing homes (e.g., size, staffing patterns, profit orientation) will impact the effectiveness of state legislation on the rate of worker injuries.

The population is aging and it is highly unlikely that the obesity epidemic will reverse in the near future. Staffing shortages (including nurses, nursing assistants, and other direct care

nursing home staff such as occupational therapists) are projected to continue and intensify as Baby Boomers age and require more healthcare services, aging nurses retire, capacity for training new nurses and other direct care staff and the supply of trained nursing assistants and other direct care nursing home staff does not keep up with projected demand.<sup>34,73</sup> There is no evidence that lost workers compensation benefits will be restored or staff turnover challenges in nursing homes will be effectively addressed. These issues will likely exacerbate the issue of worker injuries in nursing homes. Understanding whether legislation is an effective strategy, what specific components of legislation are more effective than others, and whether nursing homes require intervention above and beyond what legislation can be expected to achieve is critical to protect our nursing home workers.

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**Table 1.**

## Summary of State Safe Patient Handling Legislation

State	Date Legislation Passed	Date Enacted	Provisions/Minimum Requirements					
			Safe patient handling policy	Guidelines for lift teams/equipment	Staff education / training	Data collection/evaluation	Financial assistance	Other*
California	10/07/11	01/01/12	X	X				
Hawaii	04/24/06	4/24/06						X
Illinois	07/30/12	01/01/13	X	X	X	X		
Maryland	04/08/08	10/01/08	X	X	X	X		
Minnesota**	06/25/07	07/01/07	X	X	X	X	X	
Missouri	4/29/11	11/30/11	X	X	X	X		
New Jersey	01/03/08	01/03/08	X	X	X	X		
New York	03/31/14	03/31/14	X	X	X	X		
	10/18/05	10/18/05						X
Ohio***	03/21/05	03/21/05*					X	
Rhode Island	07/07/06	01/01/07	X	X	X	X		
Texas	06/17/05	01/01/06	X					
Washington	03/22/06	06/7/06	X	X		X	X	

Shaded states explicitly extend legislation to nursing homes.

\* Includes demonstration projects and resolutions

\*\* Revised 2015

\*\*\* Repealed 6/30/15

Table 2

## Summary of safe patient handling legislation

State	Scope	Summary	Link to legislation
California	Hospitals	<b>Hospital Patient and Health Care Worker Injury Protection Act (AB 1136)</b> Requires development of a written safe patient handling policy by Jan. 1, 2013. After Jan. 1, 2013, requires documentation of each use of a manual lift and adoption of a patient protection and health care worker back and musculoskeletal injury prevention plan as part of an Injury and Illness Prevention Program.	<a href="http://leginfo.ca.gov/pub/11-12/bill/asm/ab_1101-1150/ab_1136_bill_20111007_chaptered.html">http://leginfo.ca.gov/pub/11-12/bill/asm/ab_1101-1150/ab_1136_bill_20111007_chaptered.html</a>
Hawaii	Hospitals, Nursing Homes, Licensed Home Health Agencies	<b>House Concurrent Resolution No. 16</b> Issues a resolution calling for safeguards in health care facilities to minimize musculoskeletal injuries by nurses and for the State Legislature to support policies in American Nurses Association's "Handle With Care" Campaign. Does not require safe patient handling policy or program or use of patient lift equipment.	<a href="http://www.capitol.hawaii.gov/session2006/Bills/HCR16_.pdf">http://www.capitol.hawaii.gov/session2006/Bills/HCR16_.pdf</a>
Illinois	Hospitals	<b>Public Act 097-0122 (HB 1684)</b> Amends the Hospital Licensing Act to set forth safe patient handling policies. Creates definitions for safe lifting equipment, accessories, and safe lifting teams. Makes changes to the provision concerning the minimum requirements of a hospital's policy with regard to strategies to control the risk of injury to patients and nursing and other health care workers associated with the lifting, transferring, repositioning, or movement of a patient. Restriction of lifting must be achieved to the extent feasible with existing equipment and aids while manual handling or movement of all or most of the patient's body weight is to be done only during emergent, life-threatening, or otherwise exceptional circumstances. Other provisions include staff education and training and a procedure for a nurse to refuse to perform or be involved in handling or movement that the nurse believes in good faith will expose the patient, nurse or other health care worker to an unacceptable risk of injury without fear of retaliation.	<a href="http://www.ilga.gov/legislation/publicacts/97/PDF/097-0122.pdf">http://www.ilga.gov/legislation/publicacts/97/PDF/097-0122.pdf</a>
	Nursing Homes	<b>Public Act 097-0866 (SB 0680)</b> Amends the Nursing Home Care Act to extend the same protections as Public Act 97-0122 to nursing home residents. Requires the training of nurses and other care providers on safe lifting techniques and equipment that will reduce risk for fragile residents and give them more input on how they are lifted.	<a href="http://www.ilga.gov/legislation/publicacts/97/PDF/097-0866.pdf">http://www.ilga.gov/legislation/publicacts/97/PDF/097-0866.pdf</a>
Maryland	Hospitals	<b>Hospitals - Safe Patient Handling (HB 1137), Safe Patient Handling (SB 879)</b> Requires that hospitals develop a safe patient lifting committee with an equal number of managers and employees by Dec. 1, 2007, and a safe patient lifting policy to reduce employee injuries with patient lifting by Jul. 1, 2008. The policy should consider patient handling hazard assessment, enhanced use of mechanical lifting devices, development of specialized lift teams, training programs for safe patient lifting, incorporating space and construction design for mechanical lifting devices in architectural plans, and evaluating effectiveness of the safe lifting policy.	<a href="http://mgaleg.maryland.gov/2007rs/chapters_noln/ch_56_sb0879t.pdf">http://mgaleg.maryland.gov/2007rs/chapters_noln/ch_56_sb0879t.pdf</a>
	Nursing homes	<b>HB 585</b> Requires that nursing homes establish a safe patient handling lifting workgroup by Dec. 1, 2008, and a safe patient lifting policy by Jul. 1, 2009, to reduce employee injuries associated with patient lifting. Goals of the policy should be to reduce employee injuries associated with lifting, to develop or enhance the use of patient handling hazard assessment processes, to enhance the use of lifting devices with the incorporation of lift teams, and to determine the process for evaluating the program.	<a href="http://mgaleg.maryland.gov/2008rs/chapters_noln/Ch_80_hb0585T.pdf">http://mgaleg.maryland.gov/2008rs/chapters_noln/Ch_80_hb0585T.pdf</a>

State	Scope	Summary	Link to legislation
Minnesota	Hospitals, Outpatient Surgical Centers, Nursing Homes	<b>Safe Patient Handling Law (HF 712 and SF 828 passed within HF 122) Rev 2015 182.6553</b> Requires a safe patient handling program by every licensed health care facility; a safe patient handling committee; and written policy to assess hazards of patient handling; acquire sufficient safe patient handling equipment; staff training; remodeling and construction consistent with program goals; and periodic evaluations of the program. Financial assistance will include matching grants and development of on-going funding sources to acquire and train on safe patient handling equipment, including low interest loans, interest free loans, and federal, state, or count grants, plus a special workers' compensation to study use of safe patient handling equipment in unlicensed outpatient clinics, physician offices and dental settings.	<a href="https://www.revisor.mn.gov/statutes/?id=182.6553&amp;format=pdf">https://www.revisor.mn.gov/statutes/?id=182.6553&amp;format=pdf</a>
	All other clinical settings	Extends the Safe Patient Handling Law to "clinical settings that move patients." Requires a safe patient handling program by every licensed health care facility by Jul. 1, 2010.	<a href="https://www.revisor.mn.gov/statutes/?id=182.6554&amp;format=pdf">https://www.revisor.mn.gov/statutes/?id=182.6554&amp;format=pdf</a>
Missouri	Hospitals	<b>Safe Patient Handling and Movement in Hospitals 19 CSR 30-20.097</b> Requires development of a safe patient handling and movement committee and program. The program must consist of a written policy, patient handling hazard assessment, a process which assesses patients' needs for safe patient handling and movement equipment, educational materials for patients and their families, annual evaluation, and evidence of changes based on the annual evaluation. All employees involved in patient handling and movement must be trained and demonstrate competence.	<a href="http://s1.sos.mo.gov/cmsimages/adrules/csr/current/19csr/19c30-20.pdf">http://s1.sos.mo.gov/cmsimages/adrules/csr/current/19csr/19c30-20.pdf</a>
New Jersey	Licensed General or Specialty Hospitals, Nursing Homes	<b>Safe Patient Handling Practices Act, P.L. 2007, Chapter 225</b> Requires the establishment of safe patient handling committees by Jan. 3, 2009, with at least 50% of the members health care workers representing disciplines employed by the facility. Requires by Jan. 3, 2011, a safe patient handling program and policy on all units and all shifts; a plan for prompt access to patient handling equipment; and posting in a location easily visible to staff, patients, and visitors the policy that minimizes unassisted patient handling and includes a statement on the right of a patient to refuse assisted patient handling. Assisted patient handling means use of mechanical patient handling equipment, including, but not limited to, electric beds, portable base and ceiling track-mounted full body sling lifts, stand assist lifts, and mechanized lateral transfer aids; and patient handling aids, including, but not limited to, gait belts with handles, sliding boards and surface friction-reducing devices. There shall be no retaliatory action against any health care worker who refuses a patient handling task due to reasonable concern about worker or patient safety, or the lack of appropriate and available patient handling equipment. Includes recommendations for a capital plan to purchase equipment necessary to carry out the policy, which takes into account financial constraints of the facility.	<a href="http://www.njleg.state.nj.us/2006/Bills/PL07/225_.PDF">http://www.njleg.state.nj.us/2006/Bills/PL07/225_.PDF</a>
New York	Hospitals, Nursing Homes, Diagnostic and Treatment Centers, Clinics	<b>Safe Patient Handling Act (A2180-C)</b> A statewide safe patient handling policy for healthcare facilities. Requires establishment of safe patient handling committees by Jan. 1, 2016, that would design safe patient handling programs to be established by Jan. 1, 2017. Programs must implement a safe patient handling policy, include a process to identify the appropriate use of the policy based on patients' physical and medical conditions, provide safe patient handling training and education, include an annual performance evaluation, consider the feasibility of incorporating patient handling equipment when constructing or remodeling the healthcare facility, and include a process by which employees may refuse to perform patient handling or movement that may expose a patient or employee to an unacceptable risk of injury. Includes grant funding opportunities for facilities with demonstrated financial need to implement safe patient handling programs.	<a href="http://assembly.state.ny.us/leg/?bn=A02180&amp;term=2013">http://assembly.state.ny.us/leg/?bn=A02180&amp;term=2013</a>

State	Scope	Summary	Link to legislation
Ohio	Nursing homes	<p><b>Long-term Care Loan Program (HB 67, Section 4121.48)</b> Establishes a worker's compensation fund for interest-free loans to nursing homes wishing to purchase lift equipment for implementation of No Manual Lifting of Residents policies. Does not offer same loans to hospitals. Does not require nursing homes to purchase and implement lift equipment or to develop safe patient handling policies and programs.</p> <p><b>4121.48 [Repealed].</b> Repealed by 131st General Assembly File No. TBD, HB 52, §2, eff. 6/30/2015.</p>	
Rhode Island	Licensed Healthcare Facilities (e.g., Hospitals, Nursing Homes)	<p><b>Safe Patient Handling Act of 2006 (H7386, S2760)</b> Requires licensed healthcare facilities to have a safe patient handling policy in place by Jan. 1, 2007, and full implementation of safe lift policies by Jul. 1, 2007. Requires achievement of maximum reasonable reduction of manual lifting, transferring, and repositioning of patients and residents except in emergency, life-threatening, or exceptional circumstances. As a condition of licensure, health care facilities should establish a safe patient handling committee chaired by a professional nurse with at least half the members non-managerial employees providing direct patient care, a safe patient handling program, and policy for all shifts and units. An employee may report, without fear of discipline or adverse consequences, being required to perform patient handling believed in good faith to expose the patient and/or employee to an unacceptable risk of injury. These reportable incidents should be included in the facility's annual performance evaluation. Availability and use of safe patient handling equipment in new space or renovation is to be considered, with input from the community to be served.</p>	<a href="http://webservice.rilin.state.ri.us/BiNText06/HouseText06/H7386.pdf">http://webservice.rilin.state.ri.us/BiNText06/HouseText06/H7386.pdf</a>
Texas	Hospitals, Nursing Homes (nurses only, nurse assistants not covered)	<p><b>Chapter 256. Safe Patient Handling and Movement Practices (SB 1525)</b> Establishes a policy for safe patient handling and movement to control the risk of injury to patients and nurses; to evaluate alternative methods from manual lifting, including equipment and patient care environment; to restrict, to the extent feasible with existing equipment, manual handling of all or most of a patient's weight to emergency, life-threatening, or exceptional circumstances; and provide for nurses to refuse to perform patient handling tasks believed in good faith to involve unacceptable risks of injury to a patient or nurse. Requires safe patient handling policy only.</p>	<a href="http://www.legis.state.tx.us/tlodocs/79R/billtext/html/SB01525F.HTM">http://www.legis.state.tx.us/tlodocs/79R/billtext/html/SB01525F.HTM</a>
Washington	Hospitals	<p><b>An act relating to reducing injuries among patients and healthcare workers</b> Mandates provision of lift equipment by hospitals and offers financial assistance with implementation by tax credits and reduced workers compensation premiums. Requires hospitals to have a safe patient handling committee with at least half of the members frontline non-managerial employees providing direct patient care by Feb. 1, 2007, a safe patient handling program by Dec. 1, 2007, and policy for all shifts and units. Requires by Jan. 30, 2010, that hospitals complete acquisition safe patient handling equipment (i.e., one readily-available lift per acute care unit on the same floor, one lift for every ten acute care inpatient beds, or lift equipment for use by specially-trained lift teams). Employees may refuse without fear of reprisal patient handling activities believed in good faith to impose an unacceptable risk of injury to an employee or patient.</p>	<a href="http://lawfilesexternal.wa.gov/biennium/2005-06/Pdf/Bill%20Reports/House/1672-S.HBR.pdf">http://lawfilesexternal.wa.gov/biennium/2005-06/Pdf/Bill%20Reports/House/1672-S.HBR.pdf</a>