



Transitions to and from the Emergency Department – – Where the wheels fall off

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Emergency Rooms Are No Place for the Elderly

By PAULINE W. CHEN, M.D. MARCH 13, 2014 12:01 AM 144 Comments



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The elderly man lived alone in an apartment complex not far from the hospital. A younger neighbor, who'd watched him hobble down the building's stairwell for nearly a week, insisted on taking him to the emergency room. Doctors there immediately diagnosed an infection

DOCTOR AND PATIENT

Dr. Pauline Chen on
medical care.



Emergency Department > Home Care Transitions...

- ✗ Emergency rooms are not friendly environments for frail older adults
- ✗ Lots of interaction between the ED and home care
- ✗ Post-discharge is a high risk period for clients

What's Missing?

We don't know a lot about the experience of post-ED patient safety events from the client or formal caregiver perspective.

Main Objective:

To understand the incidence, determinants, consequences, and *experience* of adverse events among ED patients who recently transitioned to home care from the ED.

Trans-ED-HC: A Mixed Methods Study

1. Population-Level Secondary Data
2. Exploratory Focus Groups and Interviews

Multiple perspectives:

- Home Care Clients
 - Caregivers
- ED/Nursing Staff
- Home Care Staff
- Three geographically distinct locations in Southern Ontario
- Chosen for site variation and representativeness

Patient Safety Events after ED Discharge

- *What the data tells us*

Methods ...

Retrospective cohort study, Fiscal 2013/14, HNHB LHIN

- Community-dwelling older adults age 65 or older discharged home from the ED
- Existing home care clients or newly referred home care clients (w/in 2 days)
- Non-institutional (private home, AL, SH)
- Not palliative
- N= 11,323 unique clients (19,664 visits)

Methods ...

Adverse Patient Safety Events:

- Validated adverse patient safety events from ED and hospital data at 90 days post ED discharge

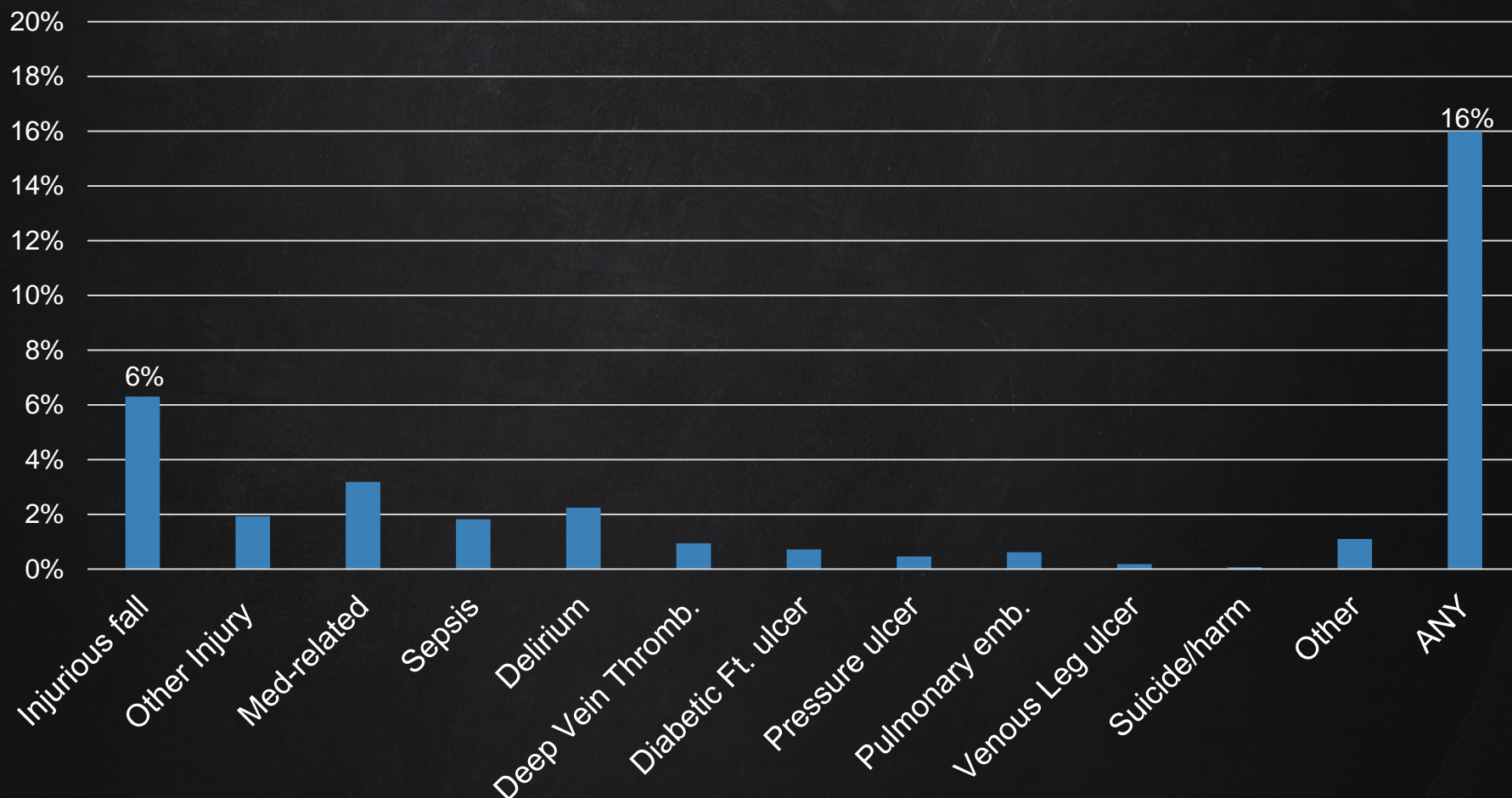
Adverse Outcomes:

- Death
- LTC (nursing home) application

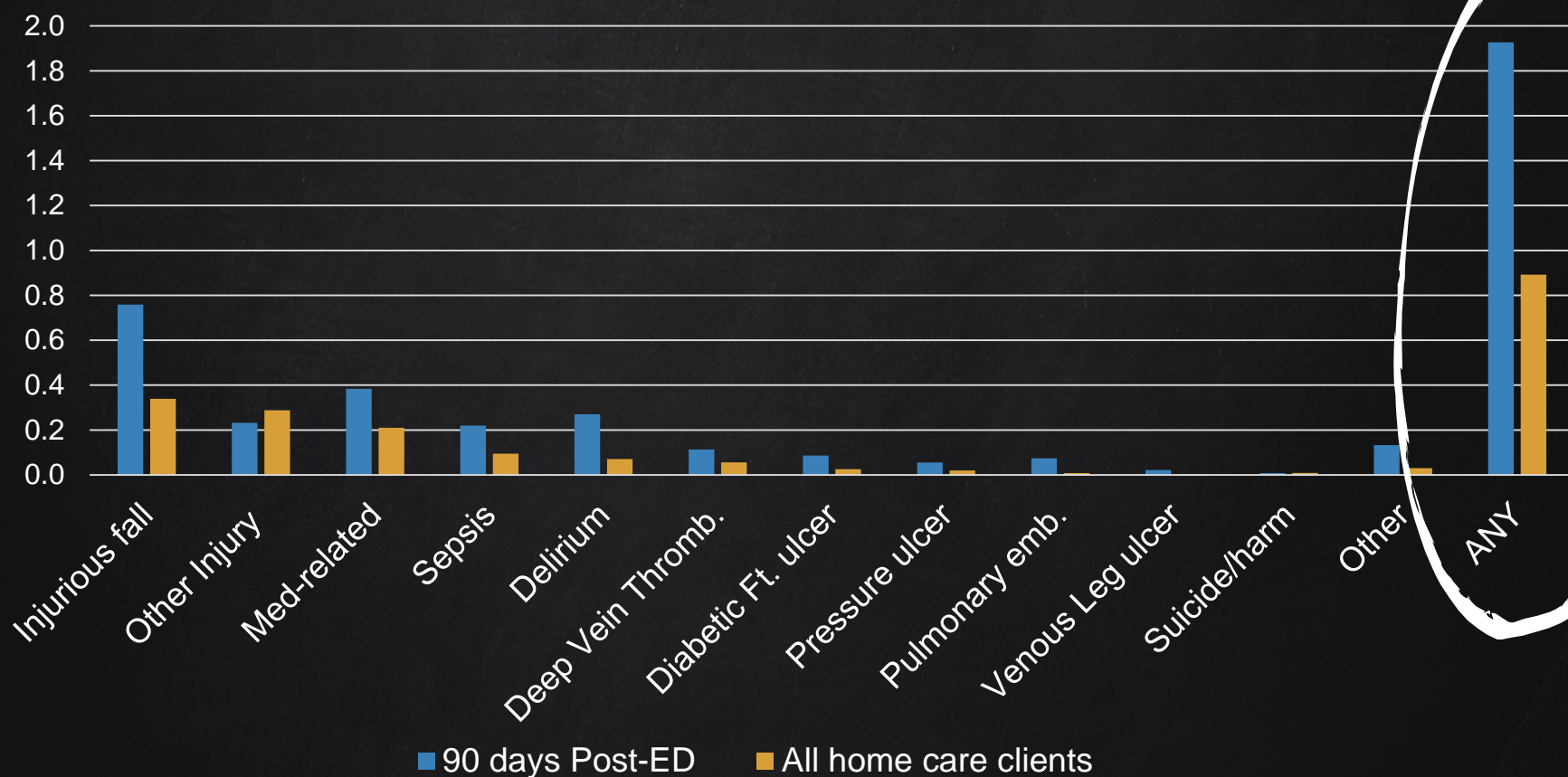
Adverse Patient Safety Events (Doran et al., 2013)

1. Injurious fall
2. Injury other than fall
3. Med-related
4. Sepsis / Bacteraemia
5. Delirium
6. Deep Vein Thromb.
7. Diabetic Foot ulcer
8. Pressure ulcer
9. Pulmonary embolus
10. Venous Leg ulcer
11. Suicide/self-harm
12. Other: Wound infection, etc.

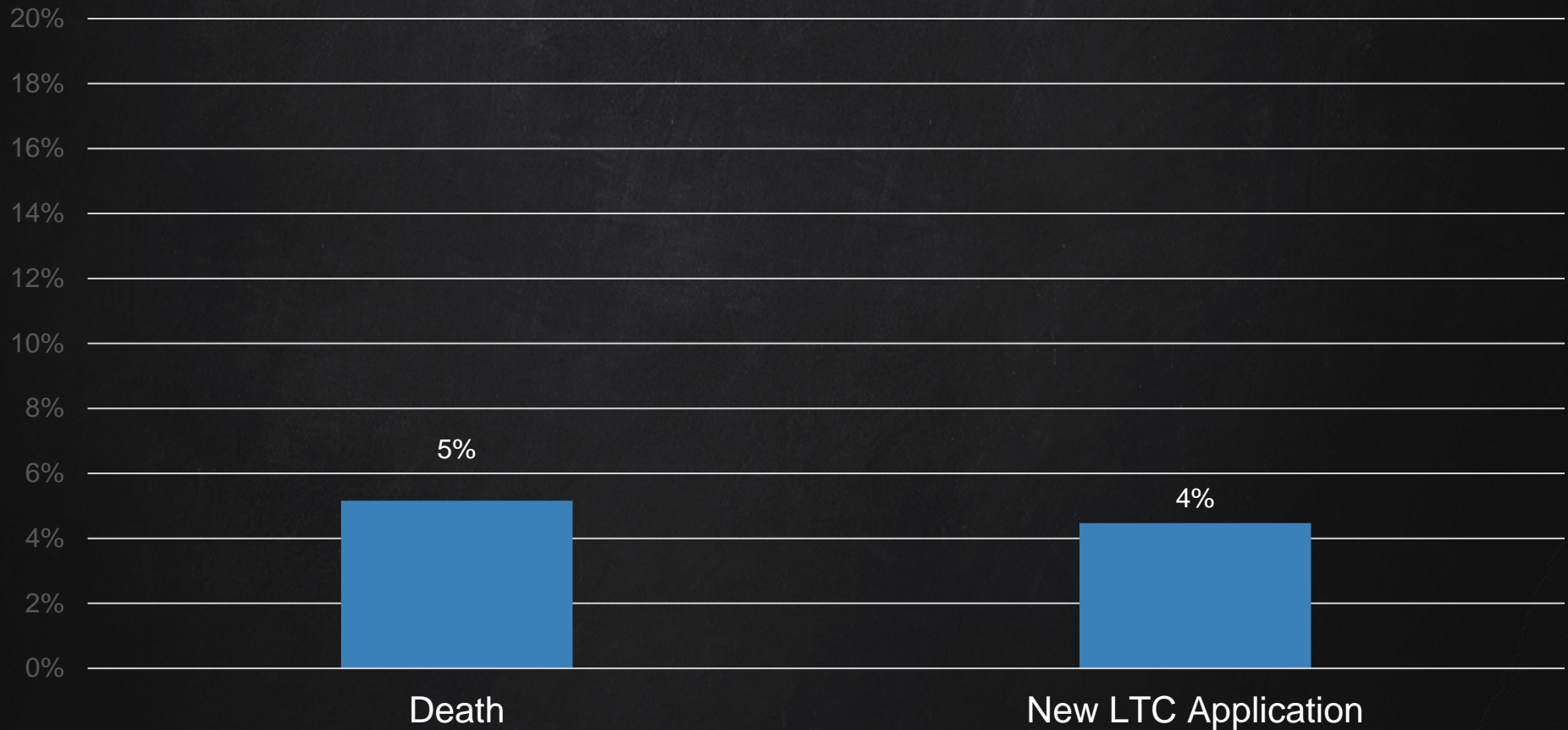
Adverse Patient Safety Events, 90-days



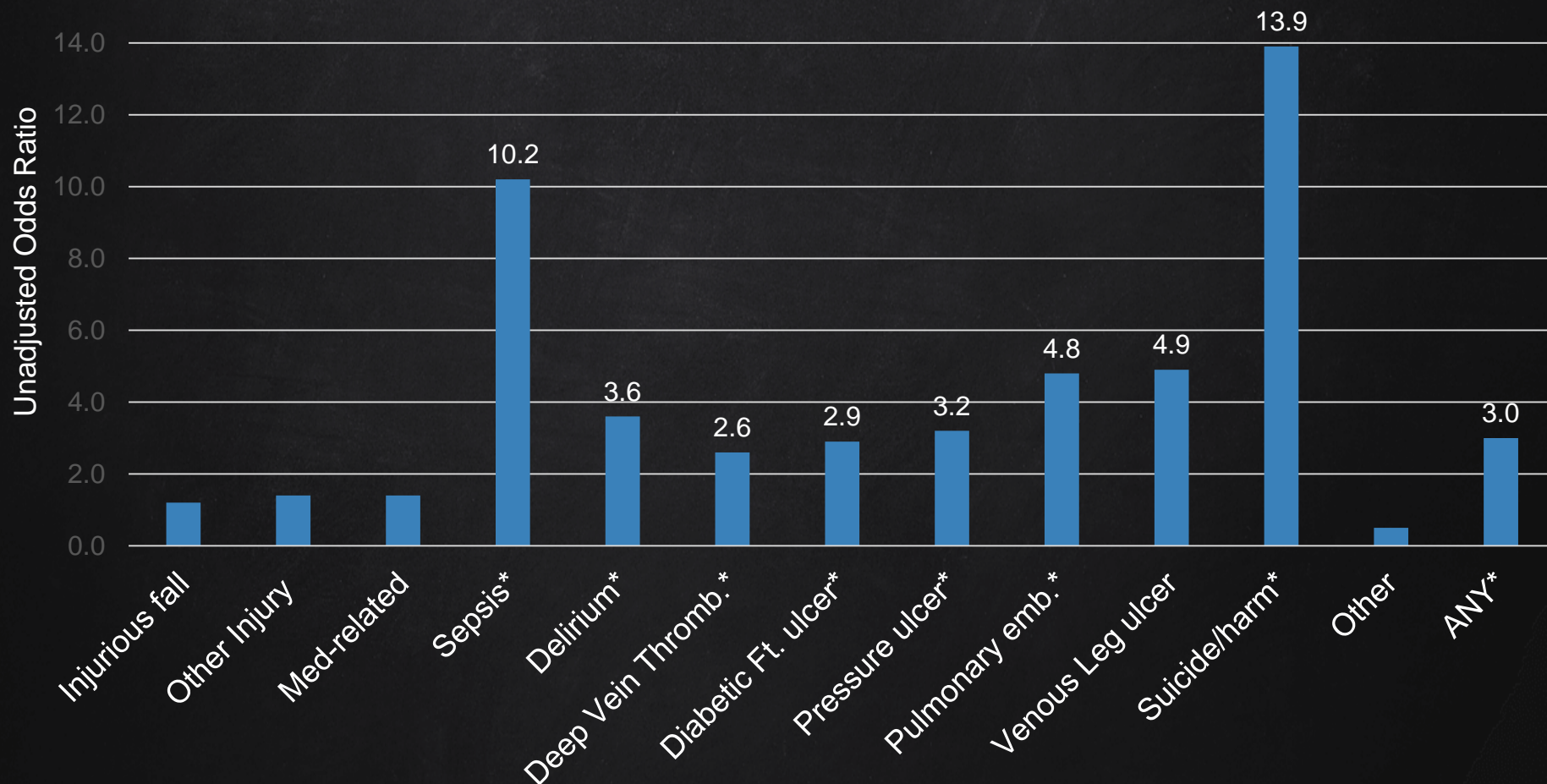
Adverse Patient Safety Events, 90-day Rates (adjusted, per 1000 patient days)



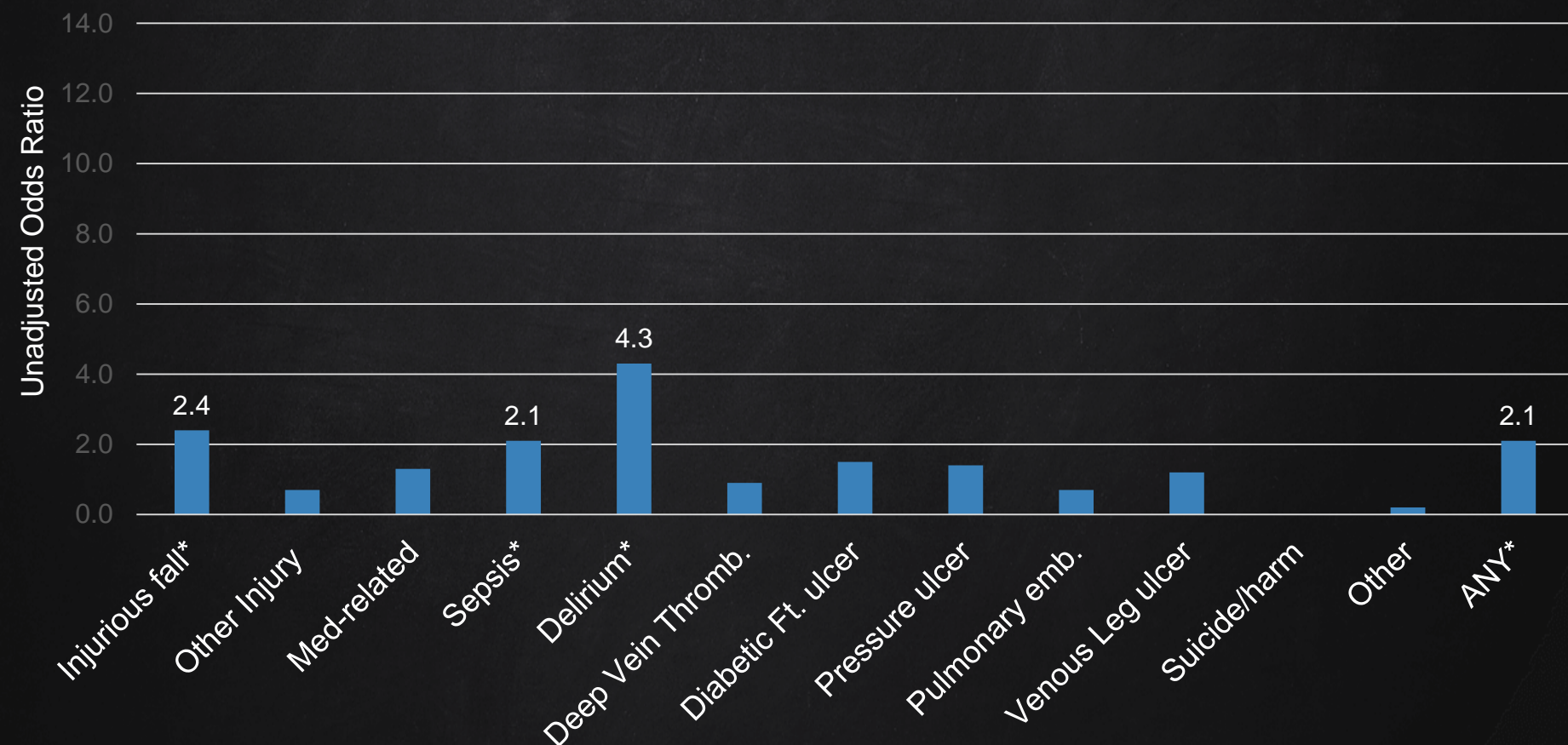
Adverse Outcomes, 90-days



Association with Death, 90-day



Association with New LTC Application, 90-days



The Patient and Staff Experience

- What we heard -

Methods

Clients/Families

- Random clients that had ED visit within 90 days, currently receiving home care, no major cognitive impairment, etc.
- Informal caregivers included.
- Semi-structured interview guide focusing on experiences.
- N=7

Providers

- Different care team roles (doctors, nurses, care coordinators, home care staff, etc.)
- Semi-structured focus groups
- Three geographic areas (rural, suburban, urban)
- N=36

- Applied thematic analysis (Guest, 2012);
- Thematic Network Analysis (Clarke & Braun, 2013; Attride-Stirling, 2001)

Main Themes from Patient & Caregiver Interviews

X Clarity of Process

X Safety in the Home

X Transportation Safety

Clarity of Processes

“[various health care workers] come during the day, and when your family is working all the time it’s hard to get [your family] to even bring you home - never mind come for things like that. You never know when someone’s going to walk into the room to ask you questions anyway.”

Safety in the Home

“I need to ask [the home care workers to keep an eye on my husband] sometimes...but he’s kind of depending on me very much, and that is the problem, makes it hard...”

Transportation Safety

“The minute you’re told you’re going home, that’s it. No one wants anything to do with you. And it’s hard to get anyone to, to even listen to you. They think, ‘Oh, she’s going home, or he’s going home, they’re ok.’ That’s not always the case...”

Main Themes from Care Provider Groups

X Differing Expectations

X Lack of Communication

X Team Dynamics

Different Expectations

“A lot of the seniors that come in...they are under the impression that there is 24 hour care available, so the family is also expecting that... it's a bad start to arranging safe care”

- *Home Care Coordinator*

Lack of Communication

“It often feels like we have gotten so tied up in the logistics that we don't advocate for the patient anymore...loose ends don't come together”

- *ED Nurse*

Team Dynamics

“...if you've got a really good team, the ability to advocate for the patients sometimes is absolutely wonderful. You make it work.”

- *Emergency Department Nurse*

Now what? ..

Narrative 'Fact Sheets'

- **Re-storying** a valuable method to recognize and allow experience to come to the forefront.
- Narratives are one way in which we understand and make meaning of the world around us.
 - **Grounded in data**



Meet Vince

Transitioning from the
Emergency Department to
Home Care

Consider the following re
Vincent, as he experien
Emergency Depart

Tips for care providers and leaders:

Keep these in m
we will revisit the
might have c

- 1 Identify potentially vulnerable older patients and adhere to even simple modifications are useful. For example, nutrition and
- 2 Orient vulnerable older patients when you meet them - introduce what stage they're at in the Emergency Department process, and
- 3 Ask vulnerable older patients what their biggest concern is to eno reduce isolation. Prioritize and address their main concern.
- 4 Try to limit duplicated patient questions and assessments by impr information sharing.
- 5 Vulnerable older patients should have a discharge summary giv summary should include any new medication prescribed, any scheduled or referrals made (with whom, when, etc.), and any c family members. This summary should be understandable to in that discharge instructions are accurately communicated and toll

Vincent's Story



Vincent is 79 years old, and an existing home care client support from his children, who still live in town. On a Ti stool trying to reach a kitchen shelf. Luckily, Vincent is ab He is picked up by paramedics, who take him to the loca

Vincent is placed in a bed and as he waits he is vis imagines are mostly hospital staff. A nurse assesses his v questions about his medications, and someone else asse element and injured, Vincent feels isolated while waiting i

"I felt very frightened and alone and helpless because I could anything. I was lying in a bed and I was in pain and I use a walker to get to the bathroom but couldn't without help."

After another assessment and x-rays are performed, the ED doctor f tells Vincent that he will have to stay in the ED.

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The

Vincent's Story.



By now, the ED staff has helped to contact Vincent's child oldest son will come to pick him up once his discharge p waits, he notices that it still seems difficult to connect with he's normally fairly social, continues to feel isolated:

"Well, every time a new [nurse or staff member] they have to learn about you and that's not possible

"They [hospital staff, etc.] come during the day, and when your family is working all the time it's hard to get [your family] to even bring you home never mind come for things like [being present for assessments, explanations of care and treatment plans, medication instructions, etc.]. Besides, you never know when someone's going to walk into the room to ask you questions anyway..."

Vincent continues to r his stay; hospital st condition, home care asking him questions doctor who wants to i After so many visits Vincent to keep track and what they've tall the details and instr



Finally, the hospital staff feels that it is safe to discharge Vincent - someone he assumes to be a hospital worker comes in to speak to him:

"I don't know wh doctor that told me he took quite a whi the phone and he worker)... All I re very coherent; I w really know all the

Even though Vincent is anxious to get home, he is worried discharged too soon, and will not be able to navigate his home

"They were sending me home [soon], so I was a little leery, I a stair or anything! We tried some of the hospital stairs...and but I was still worried about the ones at home



Vincent speaks with his son to arrange a time when he can be picked up. After discussing several options and moving some things in his schedule, Vincent's son agrees to come the next day after he finishes work.

The person that contacted the home care agency stops by again to ask about Vincent's plans and makes a note that his son will be coming. He reviews some instructions for Vincent, including how and when to take the medication he is being sent home with. Vincent has trouble remembering it all, so he asks the fellow who contacted home care to come by again when his son is present.

"They want to know all the details and that's when they come in with this discharge form that gives you your prescriptions if needed and all that information. But then that's it, you are on your own..."

The next day, Vincent's son arrives and asks for his father's room - he finds Vincent sitting in a bed with his hospital gown on and a wheelchair sitting in the corner of the room.

"Sometimes ti you...you h yourself. They help you get

With of p hav safety will hospi tip of patier mei even le

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Thanks to CP Steer

Vincent's Story.

After getting Vincent into the wheelchair and to the car, his son drives him home, stopping along the way to pick up his father's prescription painkillers from the pharmacy. He asks his father when and if the regular home care person will be visiting but Vincent isn't sure. He thinks that someone will be coming for some kind of physiotherapy in addition to helping with bathing, but he's unsure when or how often that will be. Despite being asked many questions about his walking, bathing, etc. in the ED (most of them twice), he can't recall what's supposed to happen:

"Uh, it was this or that I needed...I suppose...they assessed what my needs were. They just assessed and told me how it would be."

They agree that Vincent's son will call the home care agency in the morning and attempt to figure out his father's home care plan, which does turn out to include new physiotherapy services:

"...the physiotherapist, I guess, I don't know how I was assessed for that but I obviously was for once a week - how that figure came about, I have no idea."

Vincent's son stays with him for a few more days before returning to work. He believes that his father will continue to recover, but worries about his safety in the home: not only about navigating the stairs and managing new medication, but even being able to move around the first floor of the house. Despite Vincent's fears of being discharged and sent home too soon, he does feel that his concerns about moving around the house and staying safe were captured in one of the many assessments at the hospital, and for that he is grateful:

"Their [hospital and home care staff's] main concern was me living alone in a big house with 16 stairs. I think every person that I spoke to in that hospital, knew that I had 16 steps to climb to get up to my sleeping area upstairs."



Have you ever met Vincent?

Tips for care providers and leaders:

- 1 Identify potentially vulnerable older patients and adhere to geriatric Emergency Department guidelines. Even simple modifications are useful.
 - 2 Orient vulnerable older patients when you meet them.
 - 3 Ask vulnerable older patients what their biggest concern is - prioritize and address their main concern.
 - 4 Try to limit duplicated patient questions and assessments.
 - 5 Vulnerable older patients should have an easily-understandable discharge summary given to them before being sent home, including any new medication prescribed, any follow-up appointments that have been scheduled or referrals made (with whom, when, etc.), and any other instructions.
- Vincent could not remember his medication instructions and follow-up detail with home care. A written summary might have avoided the confusion and would reduce the risk of a medication-related event.

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Thanks to CPSP, CCAC, the HHSB LHIN ED Directors' Steering Committee for their support.

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Download: <https://bdg.mcmaster.ca/transedhc/>



Meet Betty & Roy

Transitioning from the Emergency Department to Home Care

Consider the following narrative patients, Betty and Roy, as Betty transition from the Emergency Department local hospital back to her home.

Tips for patients and families:

Keep these in mind while read. We'll return to them at the end of the story where they might help you and your family.

1 Have your relevant health records ready to take with you in the event that you need to go to the Emergency Department. Include a list of your medications (including a list of your family doctor's contact information, the contact number of your home care services you receive, and the contact information for your home care coordinator).

2 If you are the main caregiver for a vulnerable family member, have an event that you need to go to the Emergency Department. Identify that your family member and their key health information within your health record to be notified on your behalf. If your family member is a home care coordinator, contact information for their home care coordinator.

3 Ask for a written summary of your Emergency Department visit so that you can easily share this information with your family doctor and other health care providers. The new medication that you're been prescribed, any follow-up appointment referrals (with whom, when, etc.), and any other instructions for you and your family.

Betty's Story



Betty is 85 and her husband Roy is 88 – they've been together for 60 years. They're getting older, they still manage to live relatively well. Betty has a stroke last year and he receives home care services twice a week to help. Betty is also Roy's informal caregiver since their child is away.

On a chilly evening in November, Betty (who had a fall last year) begins to feel unwell. Not knowing what else to do, she phones 9-1-1. When paramedics arrive, she asks if they can help her while she stays at home. They tell her that they're required to take her to the hospital to be assessed. After that Roy is settled, the paramedics help Betty into the ambulance and drive to the hospital.

"When I went into the emergency, it was very chaotic and I was overwhelmed. And I think, I think...being short of staff, sometimes I felt like you know it was like you would see someone and they'd disappear and you'd feel very cold..."

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Betty & Roy's Story



As Betty waits in the unfamiliar fluorescent-lit room and she begins to worry. She realizes that she has never been in the hospital, and thinks of Roy's home care worker who works two days from now – "Perhaps I should try and get home tomorrow instead..." Betty thinks before her thoughts might not be able to continue caring for Roy if her husband is admitted.

"I'm a home care giver myself, I'm a caregiver to my husband, and I worry that I won't be able to look after myself and him."



After waiting several hours, Betty is moved into a room. She is pleased but also worried; pleased with the fact that she is in a room that is familiar to her, but worried about caring for her husband while she is feeling so weak. She asks the home care services and is told that "someone will fall about that", though Betty is confused as to what exactly will happen. She asks the home care services if they will call the doctor to follow up with Betty's family doctor, but she can't seem to recall the hospital would contact her family doctor or if she should do it herself. She decides to wait and see.

Betty eventually sees a doctor who tells her that she will be sent home. She is pleased but also worried; pleased with the fact that she is in a room that is familiar to her, but worried about caring for her husband while she is feeling so weak. She asks the home care services and is told that "someone will fall about that", though Betty is confused as to what exactly will happen. She asks the home care services if they will call the doctor to follow up with Betty's family doctor, but she can't seem to recall the hospital would contact her family doctor or if she should do it herself. She decides to wait and see.



"I was part of their entire procedure and I don't know your history, your health history, and they take it from there after you're discharged."

Even though Betty is physically feeling better than when she arrived, the evening has become the night and she is feeling completely exhausted – "it's been quite some time since I've stayed up this late!" she thinks to herself as the hands on the clock pass the ticks that mark 3:00am. She's tried to nap throughout her time in the hospital, but the break from her usual routine is too much to let her get more than a few minutes of restless sleep. She starts to feel "disconnected". A staff person asks Betty about her plans for getting home: does her husband drive? Could we call your kids? Unfortunately neither option works, so a taxi is called.

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Thanks to CPSI, CCAC, the HNHM LHIN ED Directors' Steering Committee for their support.

Betty & Roy's Story

"The minute you're told you're going home, that's it. No one wants anything to do with you. And it's hard to get anyone to, even listen to you. They think, 'Oh, she's going home, or he's going home, they're ok.' That's not always the case..."



Finally Betty's taxi arrives at her house – she feels completely exhausted. She thanks the driver and gets out of the taxi. She notices that it's much colder outside than when she left the house with the paramedics earlier that evening – she wishes she'd brought a jacket! As Betty makes her way up the stairs to the front door, she notices that Roy hasn't left the porch light on for her. She suddenly stumbles on a patch of ice but catches herself on the handrail. 'That was close!' she thinks to herself and reaches for the doorknob.



As she pushes on the door, she realizes that it's locked and that she doesn't have her keys with her. She begins to ring the doorbell in hopes of waking Roy but stops after one or two tries – does he have his hearing aids in? Then a more worrisome thought – will he be able to get to the door without falling? She's had to help him with moving around the house lately, especially when he forgets to use his walker. She stands on the porch with the cold wind at her back and her finger poised above the doorbell, uncertain of what she should do next...

At least 5.9% of persons like Betty will have a subsequent ED or hospital visit for a fall injury within 90 days. However, many more will have a fall that doesn't lead to an injury or hospital visit. This would put Betty at significant increased risk for a premature nursing home placement and Roy too.

Have you ever met Betty?

Tips for patients and families:

By following these tips, Betty's story probably would have ended differently...

1 Have your relevant health records ready to take with you in the event that you need to go to the Emergency Department.

If Betty had her health records with her the ED staff might have been able to provide faster care. That might have allowed her to go home to Roy sooner. Having a spare key with her health information or an emergency contact to be notified that she was going home might have helped her get into the house from the taxi.

2 Have an emergency plan in place if you are the main caregiver for a vulnerable family member in the event that you need to go to the Emergency Department.

If Betty had details of Roy's health and an emergency contact for him the ED staff could have helped Betty arrange for someone to check in on him, or could have alerted home care.

3 Ask for a written summary of your Emergency Department visit so that you can easily share this information with your family doctor and other health care providers.

Betty was confused and disoriented from the ED visit. If Betty had a written summary of her ED visit she might have been more clear about any changes to Roy's home care services and how to follow-up with her family doctor.

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Implications

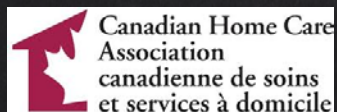
1. All home care clients, or those referred to home care, should be considered as 'high risk' for an adverse patient safety events.
2. EDs and home care should initiate a staff awareness campaign (perhaps use the Narrative Fact Sheets)
3. Quality improvement projects and experimental studies should be conducted to test specific patient safety strategies on adverse patient safety events.



thanks!

Any questions?

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Downloads: <https://bdg.mcmaster.ca/transedhc/>