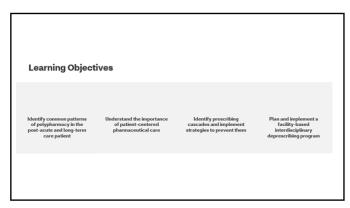
The Importance of Deprescribing for Older Adults

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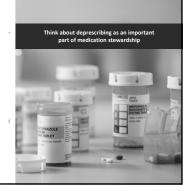


Why is deprescribing important?

 All medications can cause harm as well as benefit Older adults are particularly vulnerable to the adverse
effects of medications

The more complex the medication list, the more likely
 there will be interactions or adherence issues

Personal and clinical goals of care can change over time and should be periodically reevaluated







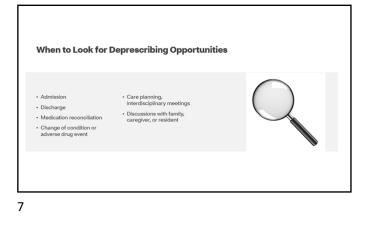
2019 Kaiser Family Foundation Health Tracking Poll 54% of patients over age 65 took 4 or more medications

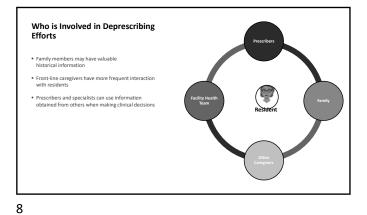
- Med D Prescription Drug Program Data Set (2014-2018) 43 Billion doses of nappropriate medications dispensed Criteria medications) Spending of 52.5 billion on inappropriate medications Trop three categories Proton Pump Inhibitors Benzolazepines Tricyclics

wn Institute

vn institute - 750 older patients hospitalized each day due to serious side effect from one or more medications - Each additional medication added to regimen increases risk of adverse drug event by 7-10% - Over next decade estimate up to 150,000 premature deaths related to adverse drug events



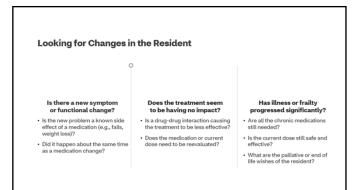


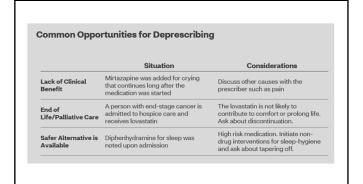


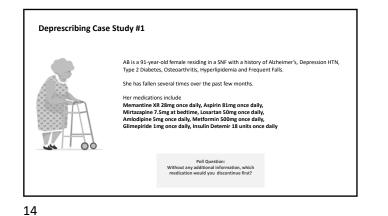


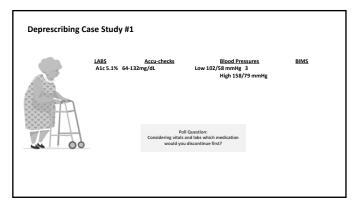


	Situation	Considerations
No Longer Required	Ciprofloxacin 500 mg twice daily for a bladder infection	Ask about a stop date
Duplicate Therapy	Lisinopril changed to fosinopril in the hospital. The discharge summary lists both.	Contact the pharmacist or prescriber if a duplication is suspected
Adverse Effects	Newly started on terazosin for enlarged prostate and has several falls	Check for orthostatic hypotension and alert the prescriber

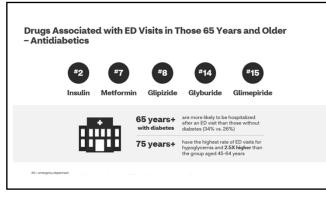








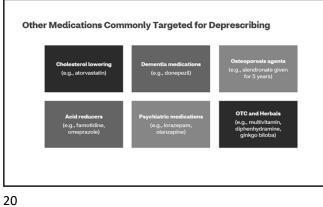
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ADA Glycem	ic Targets in Old	ler Adults	
	Healthy Older Adult	Complex Older Adult	Very Complex Older Adult
General characteristics	Few coexisting chronic illnesses, cognitively and functionally intact	Multiple coexisting chronic illnesses, ADL impairments, mild-to-moderate cognitive impairment	LTC or end-stage chronic illness, moderate-to-severe cognitive impairment, 2 or more ADL dependencies
Reasonable A1C Goal*	< 7.5%	< 8%	< 8.5%1
Fasting or Preprandial Glucose Goal	80 to 130 mg/dL	90 to 150 mg/dL	100 to 180 mg/dL
Bedtime Glucose Goal	80 to 180 mg/dL	100 to 180 mg/dL	110 to 200 mg/dL

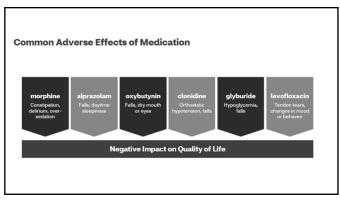


Ider	tifying Candidates for Deprescribing
	Dementia, especially with erratic eating patterns and abnormal behaviors
	 Elderly, especially ≥ 80 years old
	Impaired renal function, especially end stage renal disease
	 Numerous comorbidities, especially ≥ 5 comorbidities
	Tight glycemic control, especially AIC < 7%
	 End of life, especially ≤ 1 year life expectancy
	 Nursing home residents, especially with multiple comorbidities
	 Significant weight loss, especially unintentional weight loss
	"Inappropriate" medications, especially insulin or sulfonylureas
	Frequent hypoglycemia, especially serious episodes needing assistance
	 Years of diabetes, especially those > 20 years since diagnosis

Blood Pressure Targets for Older Patients

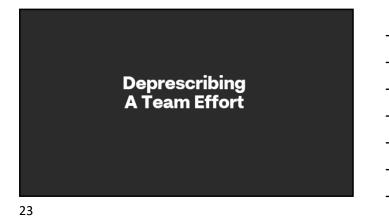
Definition of Older Patients			ESC/ESH 2018
	≥65 years	≥60 years	Eiderly 65-79 years Very Old ≥80 years
BP Threshold for Initiation of Pharmacotherapy	≥130/80 mmHg	SBP ≥150 mmHg	Elderly ≥140/90 mmHg Very Old ≥160/90 mmHg
Blood Pressure Target	<130/80 mmHg	SBP <150 mmHg	S8P 130-139 mmHg DBP 70-79mmHg















Deprescribing Meeting Day

Preselect 5-10 Residents to Review

- Ensure the entire team has access to the patient chart Assign a team member to document interventions
 Encourage interdisciplinary input during meeting
- Recap each patient's recommended interventions
 Create a deprescribing notebook

Deprescribing Case Study #2

RD is an 84 yo resident residing in a SNF. She has a PMH of GERD , DM Type 2, HTN , Alzheimer's Dementia, Major Depressive Disorder, General Anxiety Disorder, Chronic UTI, Osteoporosis, Back and Neuropathic Pain and Insomnia

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 Medications

 Metoprolol 25 mg twice daily

 Lisinopril 5 mg daily

 KCL 20 mCQ daily

 Vict 20 mCQ daily

 Remeron 7.5 mg at bedtime

 Restorin 15 mg daily

 Calaperatin 20 mg daily

 Collaperating 20 mg daily

 Vict 20 2000 daily

 Magnesium Oxide 400 mg daily

 Sense 15 with 40 mg daily

 Vict 20 3000 daily

 Mitrofurantoin 100 mg daily

 Foldet 1 mg daily

 Condinie 0.1mg q6h as needed

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Labs and Vitals

K 5.2 mmol/L HgA1c 5.6% SrCr 1.0 mg/dL Hgb 13.8% Hct 42% Mg 2.5 mg/dL Vit B12 > 1500 pg/mL Folate > 22.5 ng/mL 25 Hydroxy Vit D 89 ng/mL Systolic blood pressure range 90-100 mmHg Diastolic blood pressure range 60-64 mmHg Blood Sugars 90-110 mg/dL Weight gain of 24 pounds over past 30 days

Case Study # 2

Deprescribing Opportunities

- 1. Discontinue Sliding Scale Insulin A1C is 5.6%
- 2. Discontinue Potassium Chloride Serum K was 5.2 ; No diuretic; On ACE and ARB
- 3. Discontinue Megace ES therapy greater than 30 days and <u>24 pound</u> weight gain
- 4. Discontinue Vit D levels close to top of therapeutic Vit D range and risk of Vit D toxici
- 5. Evaluate opportunities with blood pressure medications
- 6. Evaluate opportunities with depression medications
- 7. Evaluate opportunities with GERD medications
- 8. Discontinue Nitrofurantoin 100 mg QD Antimicrobial Stewardship Compliance

9. Evaluate opportunities with anemia medications

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Case Study # 2

- Benefits of Deprescribing
- 1. Reduced medication burden for the patient
- 2. Reduced medication pass time requirements for nursing staff
- 3. Reducing the risk for falls and adverse events
- 4. Reduced medication costs
- 5. Reduced risk for F- Tags and Survey deficiencies



Next steps

1 Involve consultant pharmacist in education to facility and family on deprescribing

2 ldentify Team Members for participation on Deprescribing Team

3 Set a date and time for the Deprescribing meeting

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Clinical Pearls

- A successful deprescribing program involves the entire interdisciplinary team
- Deprescribing is a continual process of evaluating the appropriateness of medication based on patient specific clinical and personal goals
- Deprescribing efforts improve patient quality of life and reduce adverse medication events, hospitalizations and healthcare costs

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