



Community Wound Care: Does the Model Fit?

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To determine the co-morbidities associated with wound care, and their effects upon healing.



The survey, including co-morbidities and types of wounds, were collected in real time. The following variables were measured:

- DOB and referral date
- Diabetic
- Weight & Height & Waist Measurements



Variables Measured

- Smoking
- Type and Location of Wound
- Date when wound first appeared
- Medication
- Number and types of Wounds



- Survey was conducted over four randomly selected days in different months.
- Only the managers knew, very late in day, that the next day was data collection via a preformed to be completed by the service providers.



Results (Descriptive)

- Mean BMI was 30.41
- 67 had Renal Disease
- 73 Clients smoked
- 51 did not ambulate
- 270 Reported Shortness of Breath
- 398 Where Female
- Mean age was 73.60
- 88 were on insulin



Non-Descriptive Results

The Database is divided into four co-morbidity subsets:

1. Life-style
2. Health
3. Pharmaceuticals
4. Types of Wounds



The life-style co-morbidities:

- *Wounds older than six weeks; 1) smoking, 2) waist diameter, 3) shortness of breath, 4) diabetics, 5) weight, 6) ambulation.
- *Three month old wounds: 1) smoking, 2) diabetics, 3) angina, 4) weight.
- *Six month old wounds: 1) ambulation, 2) angina, 3) smoking, 4) diabetics, 5) waist diameter.
- *One year old wounds: 1) exercise, 2) shortness of breath, 3) smoking, 4) ambulation, 5) angina.



Health co-morbidities are for wounds older than:

* 6 wks; 1) Diabetics, 2) Blood Clotting Abilities,
3)Heart Attack, 4) BP, 5) BMI, 6) Renal Dis.

*3 mos; 1) Blood Vessel Dis., 2) Angina, 3) BMI, 4)
Diabetics, 5) Cerebrovascular Dis. 6) Blood clot.

*6 mos; 1) Blood Vessel Dis., 2) BMI, 3) Angina, 4)
Diabetics, 5) Cerebrovascular Dis. 6) Blood Clot

*1yr; 1) Blood Vessel Disease, 2) BMI, 3)Angina, 4)
Diabetics, 5)Cerebrovascular Dis. 6) Blood Clot.



Pharmaceutics

Pharmaceutical co-morbidities that influence healing:

*6 wks; 1) Fluvastatin Sodium, 2) AACCC, 3) Plavix, 4) Pravastatin, 5) Atorvastatin, 6) Simvastatin.

*3 mos; 1) Fluvastatin Sodium, 2) AACCC, 3) Plavix, 4) Pravastatin, 5) Simvastatin (Ezetimibe).

*6 mos; As in 3mos. Except Atorvastatin at order 5

*1 yr; As in 6 mos.



Types of Wounds

Type of wounds that influence healing:

- *6wks; 1) Other kinds of Wounds, 2) Undiag. Leg Ulcer, 3) Cancerous, 4) Arterial Leg Ulcer, 5) Arterial Leg Ulcer.
- *3mos; 1) Other kinds of Wounds, 2) Pilonidal Sinus, 3) Arterial Leg Ulcer, 4) Neuropathic Ulcer, 5) Undiag. Leg Ulcer.
- *6mos; as in 6wks, except 5) Neuropathic Ulcer, 6) Pressure Ulcers.
- *1yr; as in 6mos.



Why Co-Morbidities?

Co-morbidities can and do influence the rate of healing. The priority of co-morbidities for Life-Style, Health, Pharmaceuticals, and Type of Wounds. The priority of previous co-morbidities are for wounds six weeks and older. The co-morbidities change somewhat as the wound becomes older.



Why Co-Morbidities cont.?

- Already the service providers have changed their work-practice. Further changes are mooted.
- In the future addressing some of the co-morbidities will further reflect upon work-practices.
- Also in the future the possible intervention into some of the co-morbidities might aid and abet the healing process.



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