

Developing a Reliable Drug Data Resource for Outpatient Units: Enhancing Patient Counselling and Pharmacovigilance

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Background and importance:

- Outpatient pharmacies dispense diverse medicines
- Drug information variability causes inconsistent counselling
- Standardized resource needed for safety and pharmacovigilance

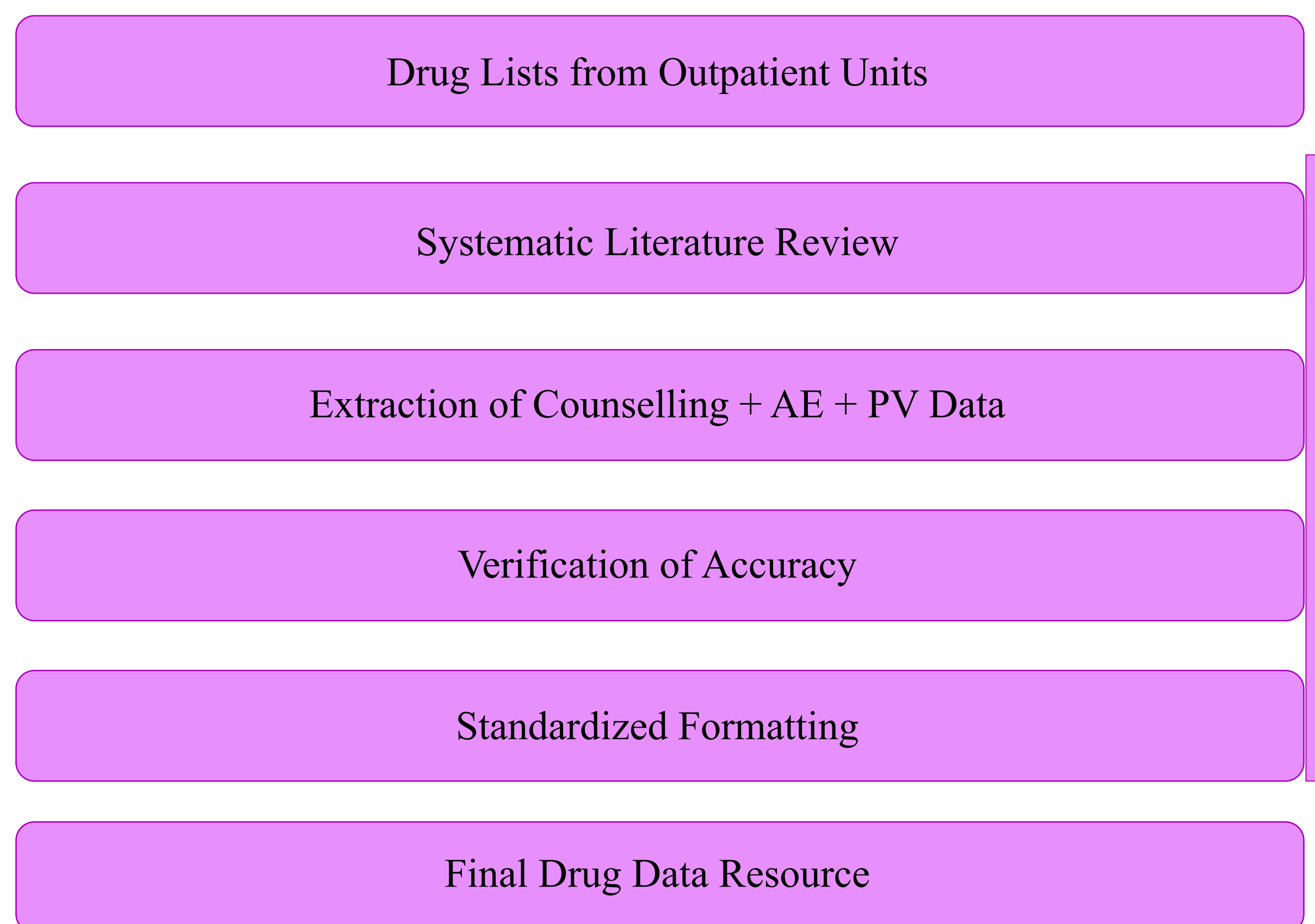
Aim and objectives:

- Develop standardized drug data resource
- Support counselling + pharmacovigilance
- Ensure adaptability for digital integration



Materials and methods:

- Reviewed outpatient drug lists
- Identified 56 APIs / 62 medicines
- Extracted counselling, Adverse Effects and Pharmacovigilance Data from references
- Verified and standardized information format



Clinical Impact Pathway



Results:

- Structured dataset developed
- Covers oncology, biologics, supportive therapies
- Enables rapid point-of-care access
- Supports consistent counselling and AE monitoring

Category	Checklist Options
Formulation	<input type="checkbox"/> Oral <input type="checkbox"/> IV <input type="checkbox"/> SC <input type="checkbox"/> IM <input type="checkbox"/> Other:
Dosing Frequency	<input type="checkbox"/> Once daily <input type="checkbox"/> Twice daily <input type="checkbox"/> Weekly <input type="checkbox"/> Cyclical <input type="checkbox"/> Continuous <input type="checkbox"/> Other:
Administration	<input type="checkbox"/> With food <input type="checkbox"/> Without food <input type="checkbox"/> Same time daily <input type="checkbox"/> Swallow whole <input type="checkbox"/> Do not crush/chew <input type="checkbox"/> Infuse over min
Food / Lifestyle Precautions	<input type="checkbox"/> Avoid alcohol <input type="checkbox"/> Avoid grapefruit <input type="checkbox"/> Avoid smoking <input type="checkbox"/> Maintain hydration <input type="checkbox"/> Physical activity advised
Drug Interaction Risk	<input type="checkbox"/> CYP inhibitor caution <input type="checkbox"/> CYP inducer caution <input type="checkbox"/> QT prolongation risk <input type="checkbox"/> Anticoagulant interaction <input type="checkbox"/> Other:
Key Safety Risks	<input type="checkbox"/> Thromboembolism <input type="checkbox"/> Hepatotoxicity <input type="checkbox"/> Myelosuppression <input type="checkbox"/> Cardiotoxicity <input type="checkbox"/> Nephrotoxicity <input type="checkbox"/> Other:
Red-Flag Symptoms (Urgent)	<input type="checkbox"/> Chest pain <input type="checkbox"/> Dyspnea <input type="checkbox"/> Severe bleeding <input type="checkbox"/> Fever <input type="checkbox"/> Severe rash <input type="checkbox"/> Neurological symptoms
Pregnancy & Fertility	<input type="checkbox"/> Contraindicated in pregnancy <input type="checkbox"/> Contraception required <input type="checkbox"/> Fertility counseling <input type="checkbox"/> Avoid breastfeeding
Monitoring	<input type="checkbox"/> CBC <input type="checkbox"/> Liver function <input type="checkbox"/> Renal function <input type="checkbox"/> ECG <input type="checkbox"/> Tumor markers <input type="checkbox"/> Clinical follow-up

Conclusion and relevance:

- Improves counselling consistency
- Strengthens pharmacovigilance
- Supports patient safety and adherence
- Transferable hospital model

Impact statement:

This project demonstrates that a reliable drug data resource can standardize counselling and strengthen pharmacovigilance in outpatient units, providing an adaptable model for hospital pharmacies internationally.

Keywords:

Patient counselling, Pharmacovigilance, Drug information, Outpatient pharmacy

Conflict of interest:

We have no potential conflict of interest

