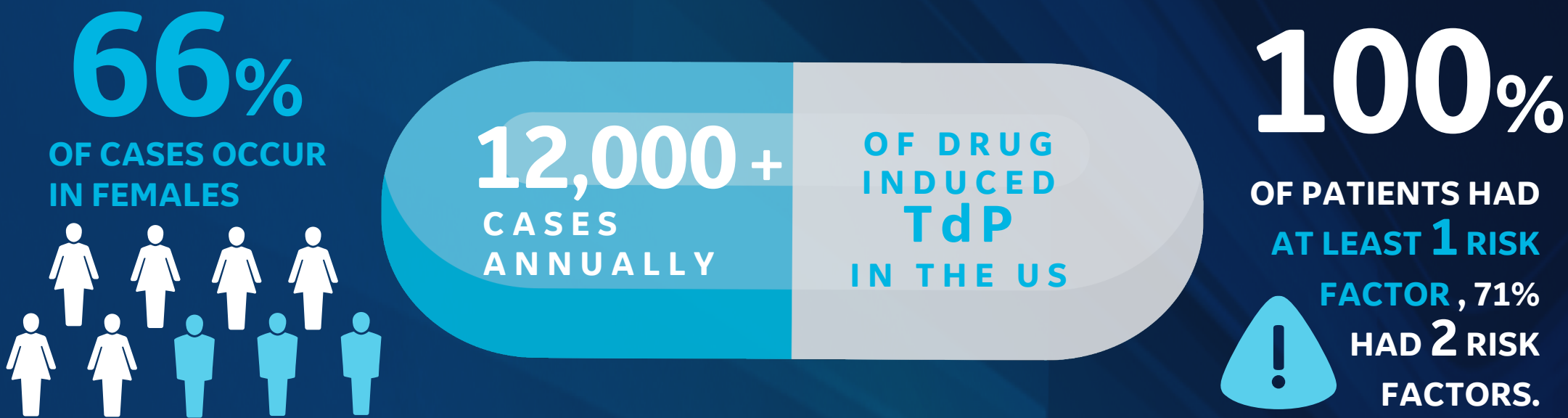




WORKING TOGETHER TO FIGHT HEART DISEASE

DRUG INDUCED QT PROLONGATION IN THE US ⁽¹⁾



LQTS RISK FACTORS ⁽²⁾ & TdP SYMPTOMS ⁽³⁾

- ✓ FEMALE

✓ AGE 65+ YEARS

✓ BRADYCARDIA

✓ CONGENITAL LQTS

✓ HEART FAILURE

✓ HEART BLOCK

✓ MYOCARDIAL INFARCTION

✓ GENETIC POLYMORPHISMS
- ✓ HEART PALPITATIONS

✓ DIZZINESS

✓ NAUSEA

✓ COLD SWEATS

✓ CHEST PAIN

✓ SHORTNESS OF BREATH

✓ LOW BLOOD PRESSURE

✓ BRADYCARDIA

DRUGS ASSOCIATED WITH QT PROLONGATION ⁽⁴⁾

-  ANTIARRHYTHMICS

 ANTIMICROBIALS

 ANTIDEPRESSANTS

 ANTIPSYCHOTICS

DRUGS ARE THE GREATEST RISK OF QTC PROLONGATION



PREVENTING TORSADES DE POINTE (TdP) ⁽⁶⁾

1 ASSESS THE PATIENT 2 ASSESS THE THERAPY 3 TAKE ACTION

- 

✓ HISTORY

✓ SYMPTOMS OF TdP
- 

✓ DRUGS & DOSES

✓ ECG (IF RISK FACTORS)
- 

✓ QT INTERVAL MONITORING

✓ ADAPT THERAPY

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1. <https://www.ahajournals.org/doi/10.1161/CIR.0000000000000558>

2. <https://www.uspharmacist.com/article/medication-induced-qt-interval-prolongation-and-torsades-de-pointes>

3. <https://www.medicalnewstoday.com/articles/320619.php>

4. <https://crediblemeds.org/new-drug-list/>

5. Sauer, A. J., et al. (2007). "Long QT syndrome in adults." J Am Coll Cardiol 49(3): 329-337.

6. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4860754/>